NH School Administrative Unit 106 | Timberlane Regional School District
30 Greenough Road, Plaistow, NH 03865 Voice: (603) 382-6119 Fax: (603) 382-3334
Timberlane.net @TimberlaneRegional @TimberlaneRSD @TimberlaneRSD

Thursday, December 19, 2024

AGENDA

Regular Business Meeting
SAU Boardroom

Justin Krieger, Superintendent
Katie Knutsen, Chair
Mark Sherwood, Vice Chair

1. **7:00 PM Call to Order – Chair**
2. **Roll Call – Minute Taker**
3. **Pledge of Allegiance**
4. **Student, Staff, Family Share**
5. **Student Representative**
6. **Delegates and Individuals**
7. **Approval of Minutes**
8. **Current Business**
    a. **Eagle Scout PAC Patio Project – ACTION**
    b. **Ad Hoc Early Childhood Committee Presentation – INFORMATIONAL**
    c. **Special Education Budget Transfer – ACTION**
    d. **FY26 CIP Recommended Project List – ACTION**
    e. **TRHS 2025-2026 Program of Studies – ACTION**
    f. **Pre-K Writing Curriculum – ACTION**
    g. **Water Services RFP – ACTION**
    h. **SY25-26 Tuition Rates – ACTION**
    i. **Policies – ACTION**
    j. **Warrant – INFORMATIONAL**
    k. **FY26 Default Budget - ACTION**
9. **Administrator's Report**
10. **Personnel Report**
11. **Committee Reports/Reports of the School Board**
12. **Other Business**
13. **Nonpublic Session – if required.**

DATE	*TIME*	*LOCATION*	*COMMITTEE*
12/26/24	7:00 PM	SAU Boardroom	Budget Committee
1/2/25	7:00 PM	SAU Boardroom	School Board
1/6/25	5:00 PM	SAU Boardroom	Policy Committee

Upcoming Agenda Items

Description	Month
Review Proposed Budget	January 2nd Meeting
2025-2026 School Calendar First & Second Reads	January 2nd Meeting
Enrollment/NESDEC	January 2nd Meeting
Ratify Union Agreements (tentative)	January 2nd (unless Special Meeting is called – req. by January 14th)
Review School Board Goals	January 2nd
Vote on recommendation of Warrant Articles & Attestation of Warrant	January 16th – Meeting after Public Hearing
Annual Audit Report	January/February
2024 District State Testing & Building Assessment Results	February
Annual Report Adoption – Policy CM	February 20th Meeting
Set Graduation Date	March 6th Meeting
Organizational Meeting	March 20th Meeting

DRAFT NOT-APPROVED

Note: When feasible, TRSB meetings are videotaped. These meeting minutes reflect only a basic summary of the meeting topics, discussion, and action. The Vimeo recording of this meeting can be viewed at: https://vimeo.com/trsd
Materials presented at the board meeting may be viewed at: School Board Meeting Agenda Materials

Timberlane Regional School Board
Meeting Minutes

Regular Board Meeting
December 5, 2024
7:00 PM

Superintendent's Office
30 Greenough Road
Plaistow, NH

Call to Order
Board Members Present
Katie Knutsen, Mark Sherwood, Kim McCormick, Shauna Manthorn, Brienna Woodworth, Jack Sapia, Donald Woodworth, Paul LeCain, Alyssa Kowalczyk

Absent: Justin Krieger, Superintendent

Seated at the Board Table
Sandra Allaire, Assistant Superintendent
Chris Martin, Director of Operations
Abigail Robinson, Student Representative

Administrators Present
Mark Pedersen, Director of Secondary Education

STUDENT REPRESENTATIVE

Abigail Robinson presented her school-wide report, highlighting events across the District. On December 9th at the High School, the Class of 2028 will have a Flashlight Candy Cane Hunt. Winter team photos will be taken on December 16 and 17. There will be an Early Release on Wednesday, December 11th. Atkinson Academy held an Anti-Bullying Presentation for Grades 3 through 5. Spirit Week will be held the week of December 16th. Danville Elementary will be having an Academic Night. The PTA is hosting a holiday shopping event. Pollard School celebrated Spirit Week. Sandown North will be hosting a holiday shopping event. At TLC, they will be hosting a shopper's event tomorrow in conjunction with the Town's Tree Lighting Ceremony. Staff participated in the Giving Tree program. This is the last week of Fall enrichment groups. Winter sports are underway at the Middle School. They will be holding Spelling Bee semi-finals this week and finals will be next Friday.

DELEGATES AND INDIVIDUALS – No speakers

MOTION: Mrs. Manthorn motioned to move the remaining 30 minutes for Delegates and Individuals to the end of the meeting. Seconded by Mr. Sherwood
Motion passed: 9-0-0

APPROVAL OF MINUTES

MOTION: Mr. Sapia motioned to accept the regular public meeting minutes of November 21, 2024. Seconded by Mrs. Woodworth Motion passed: 9-0-0

MOTION: Mrs. Manthorn motioned to approve the non-public minutes of November 21, 2024. Seconded by Mrs. Kowalczyk Motion passed: 9-0-0

CURRENT BUSINESS

a. TRHS 2025-2026 Program of Studies

Mr. Pedersen presented the Program of Studies as a First Read. He explained this is reviewed annually by the School Board. He provided an overview of the changes that have been made and the courses that have been archived.

MOTION: Mrs. Manthorn motioned to approve the First Read of TRHS 2025-2026 Program of Studies. Seconded by Mr. Sherwood. Motion passed 9-0-0

b. Policies

Policy EBCA and Policy GBEB came before the Board for a Second Read. Mrs. Manthorn explained that approval of these two policies need to be tabled and they will be brought back before the Board.

MOTION: Mrs. Manthorn motioned to table the approval of Policy EBCA and Policy GBEB. Seconded by Mr. Woodworth. Motion passed: 9-0-0

c. Warrant Articles

Mrs. Knutsen indicated the citizens' petitions have been moved from Articles 9-11 to Articles 3, 4 and 5.

ADMINISTRATORS' REPORT

Dr. Martin presented her Administrators' report. Special Education presented their budget to the Budget Committee and it was $500,000 less than the previous year. She commented the PAC has a busy and amazing schedule coming up. She thanked all the Fall coaches for a wonderful season and for the great sportsmanship here. There will be College Sports signings in the next couple of weeks. They have some re-ignited interest in the Facilities Director position.

PERSONNEL REPORT

MOTION: Mrs. Manthorn motioned to accept the professional of nomination of Shannon Anastasia, School Nurse at Sandown North. Seconded by Mr. Sherwood
Motion passed: 9-0-0

COMMITTEE REPORTS/REPORTS OF THE SCHOOL BOARD

Mr. Woodworth is on the Curriculum and Assessment Committee and he commented on the curriculum and instruction work that was done to prepare the Program of Studies. He was impressed with the work Mr. Pedersen did and to create new opportunities for engineering which they had been concerned about. They are in the process of fast tracking some of the courses for us. He is excited about how some teachers have stepped up to make that possible.

Mrs. Manthorn said Policy met today but they don't have anything quite ready to move forward to the School Board. The next meeting will be on Monday, January 6th at 5:00 PM.

Mr. Sherwood said the two negotiating sessions were cancelled due to illness. Safety Committee met and they heard how their Resource Officer was being integrated into the high school and he has been warmly welcomed by students and staff. During a brainstorming session, it was discussed how we currently have a Fire Explorer Program where students can earn out of school credit and a discussion took place about perhaps looking into extending this to their police officers. They are trying to create more opportunities for the students who may want to go into those fields.

Mrs. Knutsen said the Budget Committee has met and have gone through all the budgets and another meeting is coming up on Thursday. They will be talking about when they will have the joint meeting with the School Board on December 16th. Their Attorney Jim O'Shaughnessy will be there to speak to some of the warrant articles. This meeting will be held in the High School cafeteria.

OTHER BUSINESS

Mr. Sapia spoke to how Australia just limited access to social media to anyone under the age of 16. He said the data is in now and there is a negative impact that social media is having on their youth. He thinks the Board should explore this, as well as, the entire District.

NH SCHOOL FUNDING FAIRNESS PROJECT

Mrs. Allaire introduced Casey Neil, Director of Outreach and Engagement and Zack Sheehan who is the Executive Director with the NH School Funding Fairness Project. This is a non-profit organization and they are not politically affiliated. Mrs. Allaire explained they invited them to do their presentation because they believe this is an educational opportunity for the community and for them to learn how the process, that N.H. has embraced to fund their schools, impacts us both as taxpayers, students and educators.

Zack Sheehan, with the NH School Funding Fairness Project explained it is their hope that the information he will be providing this evening will help shed some light on the inequities that continue to challenge our school funding. The inequitable education funding in New Hampshire has impacts beyond the taxpayer. Student's educational experiences can be drastically different all over the state. A slide presentation was given, as well as, handouts for those in attendance. There is information and graphs to show how the students in Timberlane compare to the rest of the state.

At the end of the presentation, the School Board opened it up to the public for a Q & A session.

Q: Will this presentation be available to the public on line?
A: Yes. You can view it at: fairfundingnh.org/Timberlane

Q: Are the constraints we are operating under any different from other states and how are they tackling with the same questions?
A: No state does it perfectly. It is a complicated issue. In Vermont, about 90% comes from the state. They have a lot of problems also with how the funds are distributed. Massachusetts has a program where there is a minimal local contribution from taxpayers. There are things that can be learned from other states.

Q: It was stated that federal funding will likely be reduced over the next few years. How does that affect our local and state taxes?
A: Local property taxes would carry the burden.

Q: The first year of SWEPT when it was implemented, was that a uniform rate for the very first year?
A: Yes it was. The caveat was the state has a formula uniform within a few cents.

Q: At this point, SWEPT is not technically a state tax?
A: That is correct. Currently all SWEPT taxes go from the homeowner to the municipality and stays there. It does not go to the state.

Q: For the donor towns that have negative tax rates, how does that affect the tax rates of the recipient towns?
A: There are no donor or recipient towns because every SWEPT dollar stays local.

Q: Who is responsible for making the system the way it is right now?
A: In general, state level policy makers.

Q: As local taxpayers, we just can't work within our local school district and try to resolve this with budgets, we have to do other things, correct?
A: Yes, that is the argument they are making. They want every community to be on an even playing field.

Q: Have they been able to make presentations like this one for the representatives at the state house?
A: They try to and will often do webinars.

Q: A comment was made that additional taxes are not the answer. The over taxation in this town is $5,000 per student. Adding taxes doesn't result in lowering the burden on the local taxpayer because the school systems will simply spend more.
A: If and how the school budget changes, we have a democracy and the taxpayers vote on it and elect school board officials. They also are able to debate for or against a budget. That is how it works.

Q: Is your organization or any other group, actually trying to define an adequate cost per student in New Hampshire?
A: We do not have a number. The two ongoing lawsuits are effectively trying to do that.

Q: Where does the NH School Funding Fairness Project get its funding to operate as a non-profit?
A: Just like any other nonprofit. They get their funding through grants, individual private donors and foundations. There is no state or federal funding or from any school districts or state agencies.

Q: Even if the current lawsuits get positive results, you will get push back from the richer towns because they would have to contribute more to the poorer towns who are not being as well funded. How would that impact things?
A: Just like everything else they do, it calls for talking to a lot of people and trying to engage them in conversation and ask what their concerns are. It is definitely a challenge because there would be some shifts.

The question and answer period concluded at 9:00 PM.

Mrs. Knutsen thanked the NH School Funding Fairness Project for coming down to talk with us and do this presentation.

There was no further public business before the school board. Mrs. Knutsen closed the meeting at 9:02 PM.

Respectfully submitted,

Linda Mahoney
Recording Secretary

Approved by the School Board on

Cameron J. Stack
Cameronjstack@gmail.com
(603) 819-6791

Proposal to construct on school grounds (Eagle Project)

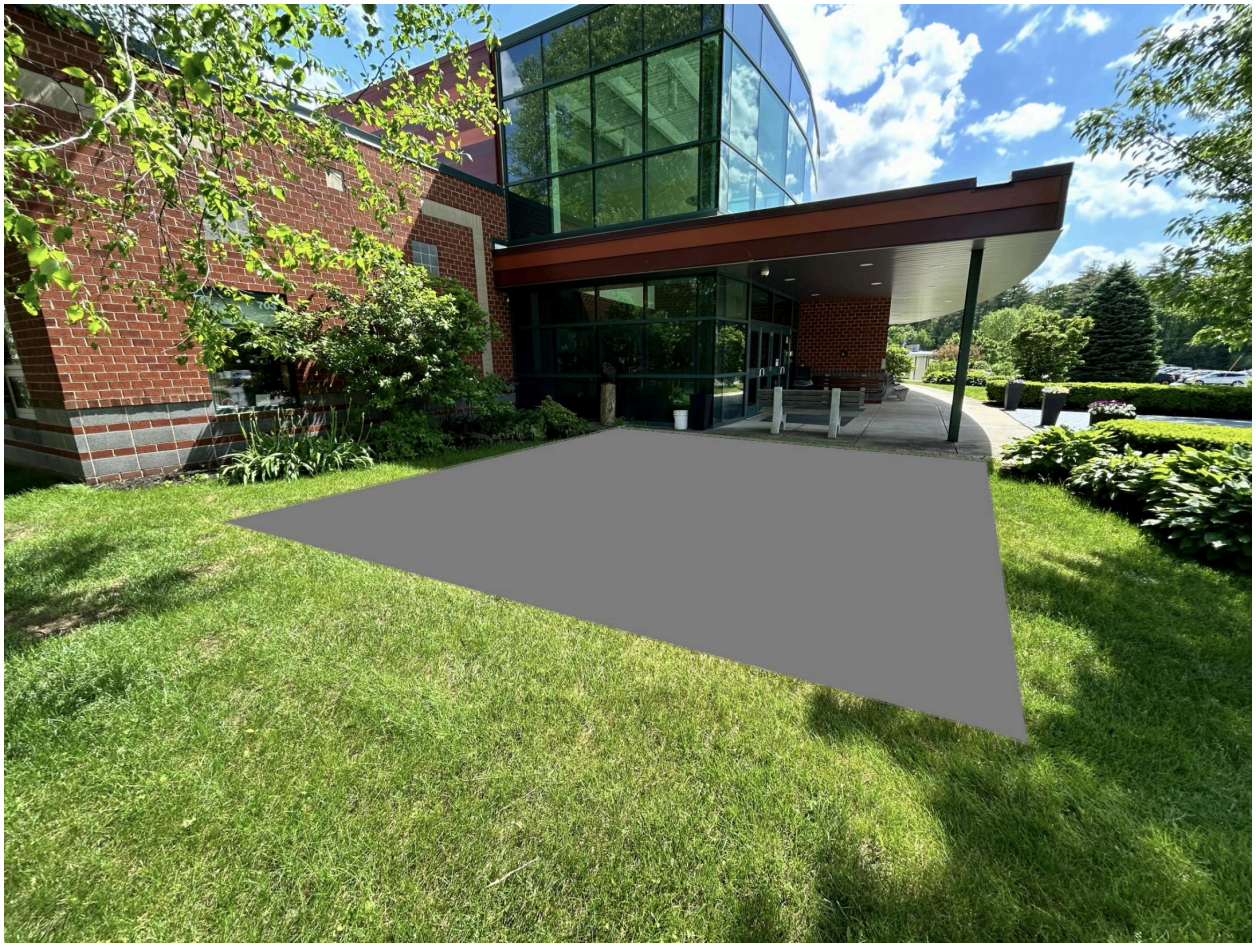
a) a written description of the sponsor(s), the project and its purpose;

A 20 foot by 20 foot patio in front of the Timberlane Performing Arts Center. The patio will primarily be used as an outdoor performance space. Other uses for parents and students may overflow lobby space during good weather, student use for lunch and or studying, and or an outdoor classroom. This patio will be made out of paver stones with a brick border that blends with the building's existing architecture.

b) proposed timeline;

start construction on 4/29/2025 to end by 5/4/24

c) design drawings;



d) project cost; $3,300

e) funding sources; For fundraising I will be selling bricks with engravings of the families or person's name(s) on it to be put inside the patio. For the standard bricks I may go to either Landscapers Depot or Freshwater farms. These two local companies have helped many Eagle Scouts so I will create a meeting with the owner if possible or a manager and discuss if it is a possibility for donations of bricks and or discounts.

f) list of contractor(s) or proposed workforce for the project;

I will use my troop members, friends from Timberlane, and some family members that are willing to see this project through. During the building process I will work with a local company (Bill Bartlett & Son Landscaping Inc) to prep the site for the patio.

e) projected costs and proposed plan for ongoing maintenance of the project;

I don’t anticipate there will be any cost for maintenance.

f) evidence that the sponsor has or can obtain appropriate insurance; in the case of contractors, that they are appropriately licensed or in the case of others, that they are qualified to do the work; and agreement that any individuals working on the project will be considered designated volunteers who will pay for and undergo a criminal background check.

My project is an Eagle project approved by the Daniel Webster Council BSA and is insured by the Scouts of America BSA. Bill Bartlett & Son Landscaping Inc carries appropriate insurance and can provide it if needed. Approved scout leaders have had background checks by BSA and completed Youth Protection Training (YPT) and youth have completed (YPT).

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Executive Summary

Request: A budget transfer is being requested which exceeds the $25,000 transfer amount pursuant to policy DBJ 'Transfer of Appropriations' which will require School Board Approval.

Reason: I am respectfully requesting money from the personnel lines be transferred to the contracted services lines to cover the cost of contracted providers for positions we have not been able to fill.

The largest group of contracted providers are support staff that are assigned to our NECC ASD Programs at Atkinson Academy and Sandown Central. The staff that are working in these programs are Registered Behavior Technicians predominantly. RBT's are certified and supervised by a Board-Certified Behavior Analyst. The range for a RBT is between $78,900-$121,480 depending on the number of hours and days of services. Our contracted staff that are working in our NECC ASD program work 40 hours a week for the school year, but they start a couple of weeks before the students for training and they provide extended school year services for more time each day and for additional weeks. The amount cited is what is paid to a company, not the individual.

Our other largest population of contracted support staff are at the High School. All of the contracted support staff are paraprofessionals with the exception of one RBT that works at the High School. We have 11 contracted support staff assigned to the High School. TRHS has had multiple students move into the district with significant medical and behavioral disabilities with Individualized Educational Plans that require 1:1 or small group support. At the end of October, we had paid $504,230 to 6 agencies for support staff and special educators.

We have been unable to find licensed and NH Department of Education certified School Psychologists to join our staff. Currently there have been or are in process of 100 evaluations across the district. We have also had difficulty in securing licensed Speech and Language Pathologists to join our staff. The students that we are providing services and evaluations for have more and more complex disabilities and needs. The expertise that is needed is high and many of the school psychologists are not Department of Education licensed. Our Speech and Language Pathologists and School Psychologists are related services or positions that are a struggle to fill across the country. Clinics and hospitals pay a higher salary than the school systems.

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Position	Line	Amount to be transferred from personnel to contracted services
3 Speech and Language Pathologists	100.2152.330.69.33.4	$238,206
2 School Psychologist	100.2143.330.69.33.4	$186,095
33 Paraprofessionals and 1.5 Special Educators	100.1200.330.69.33.4	$1,187,083
	Total	$1,611,384

Respectfully Submitted,

Kelley Brooks

Kelley Brooks
TRSD Director of Special
Education December 19, 2024

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EXECUTIVE SUMMARY - FY26 CIP Project List

The CIP subcommittee of the School Board proposes the following project list specific to FY26:

Location	Description	Cost
High School	Bathroom Renovation (Phase 1)	$500,000
Secondary Main Campus	Boundary Fencing	$200,000
Danville	Roof	$550,000
Atkinson	Belfry (Phase 3)	$641,740

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EXECUTIVE SUMMARY December 5, 2024

2025-2026 Program of Studies changes overview

Page	Description of change
Throughout	Annual changes to people, titles, page numbers, grammatical, etc.
	Remove the following course (with rational explained) from the program of studies: "Creating Mobile Apps" *(Low to no requests for the past few years; cost savings as the course requires special programing software and the purchase of cell phones)*
	Remove the following course (with rational explained) from the program of studies: "Desktop Publishing and Presentations" *(Low to no requests for the past few years, similar course Microsoft Office Essentials that does have healthy requests).*
	Remove the following course (with rational explained) from the program of studies: "Emerging Technology" *(Little to no requests for the past few years, similar content to "Information Technology" that we are hoping to expand to meet Digital Literacy credit).*
	Remove the following course (with rational explained) from the program of studies: "Screenwriting" *(Little to no requests for the past few years; similar content to "playwriting" that does have healthy requests, this course was originally part of the 'Zulama' Entertainment technology 'program' that is no longer supported as such).*
	Archive "Programming in C#", "Cyber Security", "Human Relations in Organizations" *(these courses have merit, but due to declining requests over the years, and the lack of certified / knowledgeable teachers, we are looking to archive these classes to potentially bring back at a later date).*
	Archive "Introduction to Engineering Design", "Principles of Engineering", "Computer Integrated Manufacturing", "Aerospace Engineering", "Civil Engineering and Architecture", "Digital Electronics", "Engineering Design and Development", AutoCAD I", "Auto CADII", Architectural Drawing", and "Engineering Drawing". *(These courses have merit, but due to declining requests over the years, and the lack of certified / knowledgeable teachers, we are looking to archive these classes to potentially bring back at a later date).*
	Archive "AP European History" *(this course has merit, but due to declining requests over the years, we are looking to archive this classes to potentially bring back at a later date).*
23, 33	**Change** "Business and Digital Literacy Department" to "Business Department"- Remove references to computers in department description. *(This department goes back to focused on Business, and all computer/ digital literacy classes get put together)*
23, 33	**Change** Microsoft Office Essentials "for Business" has been added to title. *(With all students having 1-1 devices and using word processing/ presentation/ spreadsheet software daily, this course is looking to return to its roots of focusing on the Office suite as a business productivity tool as originally designed).*
23, 35	**Change** "Computer Science Department" to "Computer Science and Digital Literacy Department"
23, 35	**Move** "Web Design" and "Information Technology" From the Business Department to the Computer Science and Digital Literacy Department
23, 31	**Change** "3D Modeling" course description: Made course description more generic by saying "3D modeling software"; eliminated the "Evolution of Games" prerequisite. Moved course to Art Department
35	**Change** "Information Technology" course description: removed the Dual Enrollment option,

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	opened it up to 9th graders, offered at the CCP level *(hoping these changes will make this course more appealing to a wider range of students to choose this as an option for the digital literacy credit).*
35	**Change** "Web Design" course description: Offered at the CCP Level (*hoping these changes will make this course more appealing to a wider range of students to choose this as an option for the digital literacy credit).*
43, 60	**Change**: Unified and Adaptive Physical Education "and Health" has been added to title *(this was originally supposed to have this as part of the title when the course was written and approved originally)*
27, 58	**Add** AP Psychology *(There has been interest in this course for years. Currently going through the course audit process with College board to get the course approved from them as well).*
26, 50	**Add** Chamber Orchestra as a course *(This course is designed to align to current practice in Orchestra and to formalize the practice which is similar to the way that kids take "Concert Choir" or "Chamber Ensemble")*
21. 22. 25, 44	**Add** "Engineering: Robotics and Manufacturing" and "Engineering Principles" courses *(these courses will take the best ideas of a multiyear pre-engineering program to still offer some engineering classes to students but save the district money and resources)*
29, 73	**Pinkerton CTE**: "Introduction to Animal Science" (0.5 credit) and "Animal Management" (1.0 credit) are being condensed into a single "Animal Science & Management" (2.0 credit) class
29, 74	**Pinkerton CTE**: "Environmental Science and Natural Resources 1" (2.0 credits) is now becoming: "Exploring Plant and Animal Science" (0.5 credit) taken concurrently with "Environmental Science" (0.5 credit) in the fall. Then…. "Horticulture and Landscaping" (0.5 credit) taken concurrently with " Sustainable Living" (0.5 credit) in the spring.
29, 75	**Pinkerton CTE**: "Environmental Science and Natural Resources 2" (2.0 credits) is now becoming: "environmental Science: Advanced Studies" (1.0 credit) in the fall and "Environmental Science: work Based Learning/ SAE" (1.0 credit) in the spring.
29, 73	**Pinkerton CTE**: ADD "Architecture & Design 1" and "Architecture & Design 2" to CTE offerings.
66-72	**Salem CTE**: minor changes to language throughout the course titles and descriptions. *(No edits change the heart of the offerings)*

Per policy IGA "No basic course of study shall be eliminated or new courses added without the approval of the board, nor shall any significant alteration or reduction of a course of study be made without Board approval."

Please note that as stated on page 6: "The TRHS Program of Studies is reviewed and approved each year by the TRHS Administration, the TRSD Administration and the TRSD School Board. The TRHS Program of Studies is printed for distribution to TRHS students in preparation for course selections which occur during the second semester of each school year. For a variety of reasons, the TRHS Program of Studies may undergo revisions after the initial distribution date. ***Therefore the online version of the TRHS Program of Studies will be considered the official TRHS Program of Studies."***

Respectfully submitted,
Mark Pedersen

Proposal for TRHS engineering course flow prior to CTE Salem Engineering 1, 2, and 3

These courses may be taught concurrently, or on opposing years. Neither course is a prerequisite for the other. They can be taken out of sequence. The math requirement for the second course could be waived, but due to the need for some trigonometric functions needed for the course and the algebra needed for some of the larger equations it is felt that a stronger math background would benefit the student.

OWLS Engineering – Industrial Robotics and Mill Operations

Prerequisite:

NONE

Available to:

All grades

Course description:

This hands-on course teaches the fundamentals of computerized and robotics manufacturing technology. Students will learn basic solid modeling skills through 3-D computer software to solve design problems and create parts for milling. They will assess their designs through property analysis, modify those designs, and use prototyping equipment to produce actual 3-D models. This course includes computer modeling, computer numerical control (CNC), computer aided design (CAD), computer aided manufacturing (CAM), rapid prototyping, industrial robot programming, flexible manufacturing systems, and lean manufacturing business concepts.

Competencies Addressed:

1. Students will demonstrate the ability to define the criteria and constraints of a design problem with sufficient precision in order to ensure a successful solution.
2. Students will demonstrate the ability to evaluate competing design solutions using a systematic process in order to determine how well they meet the criteria and constraints of the problem.
3. Students will demonstrate the ability to analyze data from tests to determine similarities and differences among several design solutions in order to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.
4. Students will demonstrate the ability to develop a model to generate data for iterative testing and modification of a proposed object, tool or process such that an optimal design can be achieved.

Unit 1 – Lean Manufacturing and Business
Unit 2 – Product Modeling and Design
Unit 3 – Industrial Robots and Robotic Automation
Unit 4 – CNC operations and milling
Unit 5 – Captone Project – Flexible manufacturing system

OWLS Engineering – Engineering Principles

Prerequisite:

Successful completion of Algebra I

Available to:

All grades, but the course is math-intensive and recommended for strong math students

Course description:

This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world problems. Through theory and practical hands-on experience, students will investigate and practice the concepts and skills used by engineers. The course of study includes an overview and perspective of engineering, simple machines and mechanics, statics, robotics, materials and materials testing, thermodynamics, and statistical analysis.

Competencies Addressed:

5. Students will demonstrate the ability to define the criteria and constraints of a design problem with sufficient precision in order to ensure a successful solution.
6. Students will demonstrate the ability to evaluate competing design solutions using a systematic process in order to determine how well they meet the criteria and constraints of the problem.
7. Students will demonstrate the ability to analyze data from tests to determine similarities and differences among several design solutions in order to identify the best characteristics of each that can be combined into a new solution to better meet the criteria for success.
8. Students will demonstrate the ability to develop a model to generate data for iterative testing and modification of a proposed object, tool or process such that an optimal design can be achieved.

Unit 1 – Energy and Power

1. Mechanisms
    - 1.1.1 – Understanding simple machines (wheel, axle, pulley, inclined plane, wedge, screw)
    - 1.1.2 – Practice problems with simple machines
    - 1.1.3 – Understanding gears, pulleys, drives, and sprockets and the “master gear ratio equation”
    - 1.1.4 – Practice problems involving the “master gear ratio equation”
    - 1.1.5 – Introduction to building with VEX components
    - 1.1.6 – Capstone project – build with VEX a compound simple machine to achieve a goal

2. Energy Sources
    - 1.2.1 – Basic circuit design – series circuits and Kirchoff’s voltage law
    - 1.2.2 – Basic circuit design – Parallel circuits and Kirchoff’s current law
    - 1.2.3 – Practice problems with series/parallel circuits and Kirchoff's laws
    - 1.2.4 – Practical lab exercise building circuits
    - 1.2.5 – Mechanical system efficiency lab
    - 1.2.6 – Maximizing motor power lab

3. Energy Applications
    - 1.3.1 – Introduction to thermodynamics
    - 1.3.2 – Thermodynamics practice problems
    - 1.3.3 – Renewable insulation lab using thermodynamic principles

Unit 2 – Materials and Structures

1. Statics
    - 2.1.1 – Centroids
    - 2.1.2 – Beam deflection and modulus
    - 2.1.3 – Free body diagrams
    - 2.1.4 – Calculating force vectors
    - 2.1.5 – Calculating moments
    - 2.1.6 – Step-by-step truss analysis

2. Material Testing
    - 2.2.1 – Stress and strain calculations
    - 2.2.2 – Tensile Testing with structural stress analyzer

Unit 3 – Control Systems

1. Machine Control (flow could be Block program or Python based)
    - 3.1.1 – VEX – Testbed building
    - 3.1.2 – Flowcharting and programming logic
    - 3.1.3 – Inputs and outputs
    - 3.1.4 – Basic Output Programming
    - 3.1.5 – Basic Input Programming
    - 3.1.6 – While and if-else loops
    - 3.1.7 – Variable Functions
    - 3.1.8 – Open and closed loop systems
    - 3.1.9 – Machine control design project

2. Fluid Power
    - 3.2.1 – Fluid Power applications – research project
    - 3.2.2 – Pneumatics and hydraulics
    - 3.2.3 – Fluid Power Practice Problems
    - 3.2.4 – Hydraulic lift design project

3. Design Problem – capstone project
    - 3.3.1 – Marble sorter (using VEX, simple machines, fluid power, and circuit knowledge)

Unit 4 – Probability and Statistics

1. Probability
    - 4.1.1 – Basics of Probability
    - 4.1.2 – Statistical data exploration lab

2. Statistics
    - 4.2.1 – Basics of Statistics
    - 4.2.2 – Candy Statistics

Archived classes in 2025-2026

Courses			Level	Grades				Credits
Art	Traditional Painting Methods	007	NL	9	10	11	12	0.5
Business	Human Relations in Organizations	149	ACC		10	11	12	0.5
Computer Science	Programming in C#	168	ACC	9	10	11	12	0.5
Computer Science	Cyber Security	190	ACC	9	10	11	12	0.5
Engineering	Introduction to Engineering Design	180	ACC	9	10	11	12	1
Engineering	Principles of Education	181	ACC		10	11	12	1
Engineering	Aerospace Engineering	186	ACC		10	11	12	1
Engineering	Civil Engineering and Architecture	188	ACC		10	11	12	1
Engineering	Computer Integrated Manufacturing	183	ACC		10	11	12	1
Engineering	Digital Electronics	182	ACC			11	12	1
Engineering	Engineering Design and Development	184	ACC			11	12	1
Engineering	AutoCAD I	551	NL		10	11	12	0.5
Engineering	AutoCAD II	552	NL		10	11	12	0.5
Engineering	Architectural Drawing	559	NL		10	11	12	0.5
Engineering	Engineering Drawing	557	NL		10	11	12	0.5
English	Analysis of Literary Movements	271	ACC				12	1
English	Introduction to Critical Analysis	224	ACC				12	0.5
English	Introduction to Critical Analysis	223	CCP				12	0.5
English	Shakespeare	235	ACC				12	0.5
Science	Botany	743A	ACC		10	11	12	0.5
Science	Botany	743	CCP		10	11	12	0.5
Science	Marine Biology	739	ACC		10	11	12	0.5
Science	Oceanography	741	ACC		10	11	12	0.5
Science	Zoology	744A	ACC		10	11	12	0.5
Science	Zoology	744	CCP		10	11	12	0.5

Traditional Painting Methods	007
NL Half Year 0.5 Credit Gr. 9-12	Traditional techniques in acrylic and watercolor paint will be explored with an emphasis on creating more personal and powerful compositions. Assignments that inspire and challenge will require innovative thinking and creative problem solving. Traditional and non-traditional artists' techniques will be studied. Painting critiques will focus on the application and understanding of the elements of art and principles of design. ***Prerequisite: Foundations of Art***

Human Relations in Organizations (SNHU Dual Enrollment opportunity)	149
ACC Half Year 0.5 Credit Gr. 10-12	The objective of this course is to make students aware of and prepared for the business world with respect to the importance of human relations management in organizations. This hands-on, performance-based course develops students' understandings and the skills needed to build interpersonal relationships that will foster the development of business etiquette, behavior management, conflict resolution, work place ethics, networking, and team building. ***Prerequisite: Successful completion of Introduction to Business Principles.***

Programing in C# - ACC	168
ACC Half Year 0.5 Credit Gr. 9-12	This semester course is recommended for students interested in computer programming. Students will expand problem-solving skills by developing algorithms, designing graphical user interfaces, and writing programs in the Microsoft Visual C# programming language. These skills will be applied to a wide variety of problems. Topics include: variables, data types, selection and repetition structures, loops, strings, arrays, menus, and simple graphics. ***Prerequisite: Intro to Computer Science or Instructor Approval.***

Cyber Security ACC	190
ACC Half Year 0.5 Credit Gr. 9-12	As our world becomes increasingly dependent on technology, cybersecurity is a topic of growing importance. It is crucial that we all take precautions to protect ourselves from the growing threat of cyber attacks. Students will learn foundational cybersecurity topics including digital citizenship and cyber hygiene, the basics of cryptography, software security, and networking fundamentals. ***Prerequisite: Intro to Computer Science or Instructor approval.***

Engineering Department

The engineering courses at Timberlane Regional High School offer students a four year sequence of courses which, when combined with college preparatory mathematics and science courses at TRHS, introduces students to the scope, rigor, and discipline of engineering and engineering technology prior to entering college. Introduction at the high school level will prepare more students for a potential future in engineering, while allowing students to determine if engineering is the career they may desire. Students participating in the engineering courses at TRHS will be better prepared for success in college engineering programs.

Level One

Introduction to Engineering Design*

Level Two

Principles of Engineering
Aerospace Engineering
Civil Engineering & Architecture

Levels Three and Four

Digital Electronics
Prerequisite: Principles of Engineering

Engineering Design & Development

*Opportunity for NHTI Dual Enrollment

Introduction to Engineering Design (NHTI Dual Enrollment opportunity)	180
ACC Full Year 1 Credit Gr. 9-12	This course emphasizes the development of design. Students use computer software to produce, analyze, and evaluate models for project solutions. They study the design concepts of form and function, and then use state-of-the-art technology to translate conceptual design into reproducible products. This course teaches students to understand and apply design process to solve problems in teams, apply adaptive design concepts, explore careers and develop portfolios of their designs.

Principles of Engineering (NHTI Dual Enrollment opportunity)	181
ACC Full Year 1 Credit Gr. 10-12	This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world problems. Through theory and practical hands-on experience, students address the emerging social and political consequences of technological change. The course of study includes an overview and perspective of engineering, design process, communication and documentation, engineering systems, statics, robotics, materials and materials testing, thermodynamics, engineering for quality and reliability and dynamics. ***Prerequisite: Successful completion of Introduction to Engineering Design or Departmental approval.***

Aerospace Engineering	186
ACC Full Year 1 Credit Gr. 10-12	This course is the study of the engineering discipline which develops new technologies for use in aviation, defense systems, and space exploration. The course explores the evolution of flight, flight fundamentals, navigation and control, aerospace materials, propulsion, space travel, orbital mechanics, ergonomics, remotely operated systems and related careers. In addition the course presents alternative applications for aerospace engineering concepts. ***Prerequisite: Successful completion of Introduction to Engineering Design and current enrollment in Physics and Algebra 2 or Departmental approval.***

Civil Engineering and Architecture (NHTI Dual Enrollment opportunity)	188
ACC Full Year 1 Credit Gr. 10-12	This course is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. ***Prerequisite: Successful completion of Introduction to Engineering Design or Departmental approval.***

Computer Integrated Manufacturing (NHTI Dual Enrollment opportunity)	183
ACC Full Year 1 Credit Gr. 10-12	This course teaches the fundamentals of computerized and robotics manufacturing technology. It builds on the solid-modeling skills developed through the Introduction to Engineering Design course. Students use 3-D computer software to solve design problems. They assess their solutions through mass proprietary analysis (the relationship of design, function and materials), modify their designs, and use prototyping equipment to produce 3-D models. This course includes these integrated concepts: computer modeling, computer numerical control (CNC) equipment, computer-aided manufacturing (CAM), robotics and flexible manufacturing systems. Course may be taken concurrently with Digital Electronics. ***Prerequisite: Successful completion of Introduction of Engineering Design or***

Digital Electronics (NHTI Dual Enrollment opportunity)	182
ACC Full Year 1 Credit Gr. 11-12	This course introduces students to applied digital logic, a key element of careers in engineering technology. This course explores the smart circuits found in watches, calculators, video games and computers. Students use industry-standard computer software in testing and analyzing digital circuitry. They design circuits to solve problems, export their designs to a printed circuit auto-routing program that generates printed circuit boards, and use appropriate components to build their designs. Students use mathematics and science in solving real-world engineering problems. ***Prerequisite: Successful completion of Introduction to Engineering Design and Principles of Engineering or***

Architectural Drawing	559
NL Half Year 0.5 Credit Gr. 10-12	This course is designed for students who have an interest in pursuing a career in a construction or architecture-related field of study. Students will be introduced to Revit software to create a 3D computer model of a residential structure and to produce a set of architectural plans to industry standards.

Engineering Design and Development	184
ACC Full Year 1 Credit Gr. 11-12	This course lets students apply what they have learned in academic and pre-engineering courses as they complete challenging, self-directed projects. Students work in teams to design and build solutions to authentic engineering problems. An engineer from the school's partnership team mentors each student team. Examples of projects include a robotic mascot for the school, a remote controlled hovercraft, or a solar-powered device. Student teams make progress reports to their peers, mentor and instructor and exchange constructive criticism and consultation. Teams present their research paper and defend their projects to a panel of engineers, business leaders, and engineering college educators for professional review and feedback. This course equips students with the independent study of skills they will need in postsecondary education and careers in engineering and engineering technology. ***Prerequisite: Successful completion of Introduction to Engineering Design and Principles of Engineering, and Aerospace***

AutoCAD I AutoCAD II (NHTI Dual Enrollment opportunity)	551 552
NL Half Year 0.5 Credit Gr. 10-12	Through step-by step instruction, these courses take the student from beginning to advanced levels of competency in using the AutoCAD electronic drawing system. Classes must be taken in sequence.

Engineering Drawing	557
NL Half Year 0.5 Credit Gr. 10-12	This course is for students who want to explore a career in a technical or engineering related field. Students will use 3D modeling software to solve design problems, create technical plans to engineering standards, and draw parts and assemblies for fabrication by the 3D printer.

Analysis of Literary Movements ARCHIVED	271
ACC Full Year 1 Credit Gr. 12 NCAA	This year long accelerated course will take students through prominent literary movements in Western Civilization. Beginning with the Renaissance, students will examine the cause and the impact of significant literary movements from the 14th century through the 20th century. The course will center on literature from each period. Students will study not only the movement itself, but also the response to movement. Students will make connections between cultures and traditions and the art they influence, as literature and philosophy change from one period to the next. Selected poetry, non-fiction, drama, informational text, and fiction will serve as prompts for discussion and writing.

Shakespeare	235
ACC Half Year 0.5 Credit Gr. 12 NCAA	Students in Shakespeare engage in analysis of Shakespeare's works. Representative plays and poetry will be read and critiqued through discussion and writing. In addition, the literature will be studied within the historical and cultural context of Elizabethan/Jacobean England. Each student will be required to complete a research project on one aspect of Shakespeare's work. Students will read scholarly works on Shakespeare.

Introduction to Critical Analysis—ACC ARCHIVED	224
ACC Half Year 0.5 Credit Gr. 12 NCAA	This course prepares students to read, write, speak, and listen in order to critically analyze a variety of genres of text. Emphasis will be placed on analysis strategies for developing effective critiques on literary and informational topics. Additional focus will be placed on evaluating opinions and collaborating through discussion as a means to critique literary and informational texts. This course develops skills at an accelerated pace for students who want experiences that will prepared them for advanced work in a college situation.

Introduction to Critical Analysis—CCP	223
CCP Half Year 0.5 Credit Gr. 12 NCAA	This course prepares students to read, write, speak, and listen in order to critically analyze a variety of genres of text. Emphasis will be placed on analysis strategies for developing effective critiques on literary and informational topics. Additional focus will be placed on evaluating opinions and collaborating through discussion as a means to critique literary and informational texts.

Botany—ACC 743A

ACC

Half Year

0.5 Credit

Gr. 10-12

This half-year, laboratory based course will cover the basic structure and function of plants; including plant cell, tissue, and organ systems. The course will explore topics such as plant diversity, plant anatomy, evolutions of plants, plant pest and disease relationships, ecology, and fruit and flower formation. This in-depth course is designed for students who are considering future endeavors in biological sciences. Students will gain experience in plant classification, field studying, and lab-based research. ***Prerequisite: Grade of 'B' or better in Biology—ACC or Departmental approval.***

Botany—CCP 743

CCP

Half Year

0.5 Credit

Gr. 10-12

This half-year, laboratory based course will cover the basic structure and function of plants; including plant cell, tissue, and organ systems. The course will explore topics such as plant diversity, plant anatomy, ecology, and fruit and flower formation. This course is designed for students interested in gaining hands on experience in handling, collecting, and growing plants. ***Prerequisites: Successful completion of Physical Science and Biology.***

Marine Biology 739

ACC

Half Year

0.5 Credit

Gr. 10-12

This course will introduce the major marine biomes and the inhabitants of each. Emphasis will be on wildlife and fisheries management issues designed to sustain the viability of these biomes through the 21st Century. A variety of audio-visual materials will supplement lectures, discussions, and required papers or projects. ***Prerequisite: Grade of 'B' or better in Biology—ACC or Departmental approval.***

Zoology—ACC 744A

ACC

Half Year

0.5 Credit

Gr. 10-12

The in-depth classification, anatomy and physiology of vertebrates is presented in a comparative phylogenetic manner. Topics include vertebrate evolution, cladistics, vertebrate development, evolutionary pressures, and various body systems and their evolutionary significance. This course is an in-depth study designed for students considering a career in science. Student dissection of various examples of vertebrates is required. ***Prerequisite: Grade of 'B' or better in Biology—ACC or Departmental approval.***

Zoology—CCP 744

CCP

Half Year

0.5 Credit

Gr. 10-12

The classification, anatomy and physiology of vertebrates is presented in a comparative manner. Topics include vertebrate evolution, vertebrate development, and various body systems and their organs. Student dissection may be required. ***Prerequisites: Successful completion of Physical Science and Biology.***

Oceanography—ACC 741

ACC

Half Year

0.5 Credit

Gr. 10-12

The purpose of this course is to examine the oceans and the processes that influence them. Topics will include the history of oceanography, the influence of oceans on human culture, the chemistry of seawater, currents, waves, tides, and shore- lines. The geology of the sea floor is examined. Resources from the ocean and problems of sustainability will be emphasized. The course is multi-disciplinary with links to other discipline areas; independent study and projects are required. ***Prerequisites: Successful completion of Biology; Successful completion of or concurrent registration in Chemistry or Physics; or Departmental approval***.

Timberlane Regional High School

Program of Studies
2025-2026

36 Greenough Road, Plaistow, NH 03865
Timberlane.net

A Message for Students

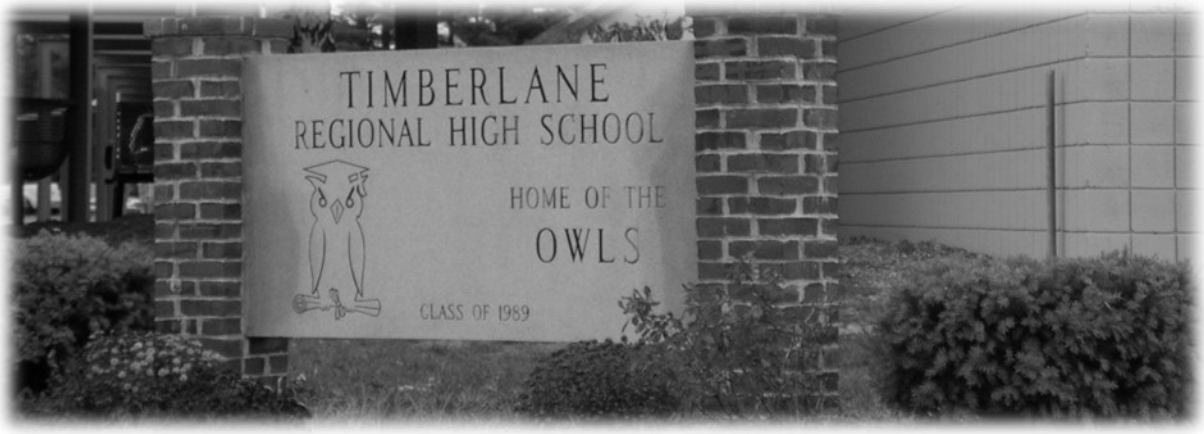
The Program of Studies is updated yearly to reflect the academic offerings and opportunities available to the students of Timberlane Regional High School. In order to provide flexibility for students meeting their graduation requirements, adjustments and changes have been made to this publication. Timberlane Regional School District is committed to preparing all students with the knowledge and skills to be college and career ready as they successfully transition on to their post secondary experiences.

This Program of Studies is a road map for students and families to use on their academic journeys. We recommend that students connect and collaborate with their teachers, school counselors and family members to make decisions that are best fit for each individual. Everyone's journey is unique and should be prepared thoughtfully.

With all of us working together, I am confident that each of you will have a successful academic experience.

John M. Vaccarezza

It is the policy of the Timberlane Regional School District that there will be no discrimination on the basis of age, gender, race, creed, color, religion, marital status, sexual orientation, national ethnic origin, economic status or disability for employment in, participation in, admission/access to, or operation and administration of any educational program or activity in the School District. See School District Policies AC Nondiscrimination/Equal Opportunity and ACA Nondiscrimination Title IX Grievances.



Timberlane Regional School District

School Board

Katie Knutsen, Chair	Plaistow
Mark Sherwood, Vice Chair	Sandown
Alyssa Kowalczyk	Plaistow
Paul LeCain	Sandown
Shauna Manthorn	Plaistow
Kim McCormick	Danville
Jack Sapia	Atkinson
Brie Woodworth	Danville
Donald Woodworth	Atkinson

Administration

Justin Krieger	Superintendent of Schools
Sandra Allaire	Assistant Superintendent
Dr. Chris Martin	Executive Director of Operations and Special Projects
Kelly Brooks	Director of Special Education
Kenneth Henderson	Director of Technology
Mark Pedersen	Director of Secondary Education
Angelo Fantasia	Athletics Director
Kurt Schweiss	Director of Music
Ginger Drechsel	Director of Student Services and Title IX Coordinator

Timberlane Regional High School

Administration

John Vaccarezza	Principal
Timothy Brown	Assistant Principal
Ashley Harbel	Assistant Principal
Dan Woodworth	Assistant Principal
Danielle Foley	Assistant Principal of Alternative Programs
Rici Shovein	Special Education Coordinator
Jennifer Puchlopek	Curriculum Coordinator

School Counseling

Maura Maher	Director of Secondary School Counseling
Zachary Champion	Counselor
Alyssa Guilmet	Counselor
Laura Jeffords	Counselor
Sarah Rochefort	Counselor
Judith Winters	Counselor

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Mission Statements

Timberlane Regional School District Mission Statement

The mission of the Timberlane Regional School District is to engage all students in challenging and relevant learning opportunities, emphasizing high aspirations and personal growth.

TRHS Statement of Core Values, Beliefs, and 21st Century Learning Expectations

The Timberlane Regional High School community values and nurtures the academic, personal, creative, and social growth of all students. We uphold rigorous academic standards and promote continuous improvement through curriculum and experiences that foster excellence, cooperation, and responsibility.

Core Values

Creativity • Responsibility • Respect • Communication • Critical Thinking • Community • Academic Rigor

Beliefs

- All students have the ability to learn.
- Social interactions, interpersonal relations, and communication with others influence learning.
- Motivation determines, directs, and sustains what students do to learn.
- Personalized instruction and educational opportunities honor students' interests, curiosity, strengths, and contributions.
- Open communication and collaboration among staff, students, parents, and community stakeholders ensure a supportive educational environment.
- Students must learn and apply 21st century skills, such as critical thinking, problem solving, communication, and collaboration.
- Exposure to relevant and challenging curricula fosters lifelong learning through real-life application of knowledge and skills.
- Technology is a tool to support and enhance learning and skill development.

21st Century Learning Expectations — Academics

Timberlane students will:

- Read and apply information from a variety of texts.
- Research and gather information effectively.
- Use critical thinking and problem-solving strategies effectively.
- Write effectively for a variety of purposes and audiences.

21st Century Learning Expectations — Social and Civics

Timberlane students will:

- Offer their best effort and be involved, contributing citizens at school and in the wider community.
- Work cooperatively and resolve conflicts peacefully.
- Live responsibly and lend a helping hand to those in need.
- Speak and act respectfully to all.

General Information

About the TRHS Program of Studies

The TRHS Program of Studies is reviewed and approved each year by the TRHS Administration, the TRSD Administration and the TRSD School Board. The TRHS Program of Studies is printed for distribution to TRHS students in preparation for course selections which occur during the second semester of each school year. For a variety of reasons, the TRHS Program of Studies may undergo revisions after the initial distribution date. ***Therefore the online version of the TRHS Program of Studies will be considered the official TRHS Program of Studies.***

The TRHS Program of Studies can be found on the TRHS website at https://www.timberlane.net/hs/

Hours of Operation

High School Student Hours	7:20 am — 2:10 pm
High School Office Hours	7:00 am — 3:00 pm
Superintendent's Office Hours	8:30 am — 4:00 pm

Phone Numbers

High School Main Phone Number	603-382-6541	
High School Principal	603-382-6541	ext. 3900
High School Counseling Department	603-382-6541	ext. 3922
Superintendent's Office	603-382-6119	

Course Levels

Each course in the TRHS Program of Studies is accompanied by a level designation according to the depth and rigor of the curriculum for that course. Courses are designed to meet the student's needs and will have one of four designations: Advanced Placement, Accelerated, College & Career Prep, and Non-Leveled.

Please Note: There may be prerequisites and/or recommendations associated with courses.

Prerequisites: Conditions a student must meet in order to enroll in a course.

Recommendations: Conditions a student is encouraged to meet in order to enroll and have success in a course.

Advanced Placement (AP)

Courses at the Advanced Placement level are approved by the College Board. These courses are very rigorous with curriculum specifically designed to prepare students for the equivalent AP Exam. Students enrolled in AP courses are required to take the equivalent AP Exam administered in May.

Accelerated (ACC)

Courses at the Accelerated level develop skills at an accelerated pace for students who want experiences that will prepare them for advanced work in a college situation.

For inclusion in accelerated classes all students:

- Must be recommended by current teacher,
- Must be recommended by counselor,
- Are recommended to have earned a final grade of 80% or higher in previous ACC course, or
- Are recommended to have earned a final grade of 90% or higher in previous CCP course, and
- Must be in compliance with any additional selection criteria established.

College and Career Preparatory (CCP)

Courses at the College and Career Preparatory level are to prepare students for college and/or career placement. Students taking CCP courses will be qualified for furthering their education in 1, 2, or 4-year institutions, certificate programs, or immediately entering the workforce.

Accelerated (ACC)/College and Career Preparatory (CCP)

In specific courses, designated by ACC/CCP in the course description, students may choose to take a course at the ACC or CCP level. Students who contract to the ACC level must adhere to the predetermined contract. Students must declare at which level they are taking the class by the 5th day of the course.

Non-Leveled (NL)

Non-leveled courses are designed to provide enrichment of a student's program but not affect their cumulative grade point average (GPA). Non-leveled courses will be computed in quarterly grade point averages which are used to determine honor roll status.

Course Weightings/Honor Roll

The course level designation for each course is used to determine quality points, which determines a student's Grade Point Average (GPA). Students receive both a quarterly GPA and a cumulative GPA. Quarterly GPAs are calculated at the close of each quarter, and are used to determine students' honor roll status.

Students receiving a grade of "D" or "F" in any subject will not be eligible for Honor Roll, regardless of their GPA.

Honor Roll Designations:

Honors: GPA = 3.00 to 3.666

Honors w/Distinction: GPA = 3.667 and above

Cumulative GPAs are used to determine students' class ranks and are based on completed courses. Cumulative GPAs and class ranks are calculated at the close of Quarter 2 (completion of Semester 1 courses) and the close of Quarter 4 (completion of Semester 2 courses and Year-Long courses). If any students or parents/guardians have questions about GPA and/or Class Rank, they should contact the School Counseling Office.

Grade	CCP	ACC	AP
A +	4.333	4.667	5.000
A	4.000	4.333	4.667
A -	3.667	4.000	4.333
B +	3.333	3.667	4.000
B	3.000	3.333	3.667
B -	2.667	3.000	3.333
C +	2.333	2.667	3.000
C	2.000	2.333	2.667
C -	1.667	2.000	2.333
D +	1.333	1.667	2.000
D	1.000	1.333	1.667
D -	0.667	1.000	1.333
F	0.000	0.000	0.00

Course Selection Process

The course selection process for Freshman, Sophomores, and Juniors is an eight step process:

1. Class meetings are held in late January or early February with students to discuss the course selection process and new course offerings. Students receive their copy of the TRHS Program of Studies at this time.
2. Students review the TRHS Program of Studies with their parents/guardians.
3. Course Selection Day is held soon after class meetings. Students will receive Online Course Selection Instructions and a Course Selection Worksheet. Teachers will conference with students regarding recommended courses/levels for the following year. Teachers will recommend courses through PowerSchool.
4. Students will have a one week window to register for courses online through PowerSchool. Each student's course requests will be posted on PowerSchool for the student's parents/guardians to review.
5. Students will have individual conferences with their counselor to review their course selections and graduation requirements. Changes can be made at that time if necessary.
6. In April the master schedule is created based on the courses selected by students, teacher availability, and room usage requirements.
7. Individual student schedules are generated and reviewed by counseling staff in May.
8. Student schedules are posted on PowerSchool in August.

IMPORTANT: It is standard operating procedure that students consult with their teachers and counselors to review appropriate course placement for the following year.

Change of Course Requests

Counselors are available on designated days in August for schedule change requests prior to the opening of school. A student asking permission to drop a course should initiate discussions with their parents/guardians, teacher, and counselor. Students are expected to meet with their counselor to explore the pros and cons of the decision. After this meeting, the counselor may arrange a meeting with the student, parent, counselor, teacher, and/or an administrator to discuss potential changes.

There will be no changes to student schedules after the opening of school except under the following conditions:

- The student has been misplaced in a course,
- The student has failed a prerequisite for a course now scheduled,
- The student has a study period and wishes to add a class, or
- There is a major change in the student's plans after graduation.

Withdrawing from a Course

While not encouraged, students do have the opportunity to withdraw from a course with no academic penalty; however, the timeframe is limited. It is recommended that students wishing to withdraw from a course do so during the first five days of the course. Students must meet with their counselor and receive approval to drop/ withdraw from any course.

As a result of the differences in curriculum, students may not be permitted to move from an AP course to the corresponding course at the accelerated level. Specific details will be available on the AP course syllabi regarding specific guidelines for each content area.

Students who withdraw from a full year course after the first thirty school days or from a semester course after the first twenty school days will receive a Withdraw-Failure (WF) for the final grade and no credit will be awarded. A Withdraw-Failure is the equivalent of an F for GPA calculations.

Transfer of Credits

Students who are transferring academic credit from institutions outside of Timberlane Regional High School will need to provide an official record of all completed course work. Upon receiving an official record, a review of the course work will be conducted and credit and GPA weight will be awarded.

Auditing Courses

Students who desire to enrich their academic program may request to audit courses. Auditing of required courses, after successful completion of these courses, is acceptable.

To audit a course, a student will adhere to the following requirements:

- Obtain initial approval from the teacher,
- Register through the School Counseling Office,
- Be accountable for all regular classroom attendance, and
- Be accountable for all in-school/out-of-school assignments deemed appropriate by the teacher.

In cases of conflict, the principal will make the final decision.

The classroom teacher will permit the student to take an active part in all classroom activities. Although no formal credit will be given for class audits, the course will be listed on the student's report card and permanent record with the letter "N", and will be recorded each marking period.

An audited course will not be considered to be meeting the minimum standards established for students (required number of courses per year).

Advanced Placement Program

Advanced Placement (AP) examinations are offered by the College Entrance Examination Board (a non-profit membership organization that provides tests and other educational services for students, schools, and colleges). The AP Program helps schools establish one-year, college level courses for high-achieving students and provides examinations to help colleges judge a candidate's qualifications for advanced placement and college credit. These are rigorous courses that require extra diligence and responsibility by students.

To be eligible for college credit, students must take the AP examination given in mid-May. All students enrolled in an AP class are required to take the AP exam. Students should review the advanced placement policies of the colleges in which they are interested in attending to determine how those schools apply the AP test results.

Early College Credit: Concurrent Enrollment, Dual Enrollment, Running Start

Students at Timberlane Regional High School have the opportunity to earn early college credit in conjunction with local colleges and universities. Students who successfully complete specified courses may have the opportunity to earn high school and college credit. To earn college credit, students must complete all requirements set forth by the partnered college or university which may include an application and course fee. After successful completion, the student is responsible for obtaining the associated college transcript which may be applied to credit at other colleges and universities. A course's early college credit status may be dependent on teacher availability, enrollment numbers, and fees.

Southern New Hampshire University at TRHS

Southern New Hampshire University's (SNHU) dual enrollment program allows high school students the opportunity to earn early college credits while in high school. At Timberlane Regional High School, designated courses have been aligned to meet the same content, rigor and learning outcomes as that of SNHU. The high school teachers instructing these courses meet the SNHU adjunct faculty requirements and have been approved by SNHU. **Students will have the opportunity to take advantage of the dual credit opportunities at the beginning of the courses by completing an application and submitting the course registration fee for each class.** Once the registration period closes, students will not be allowed to register for college credit. Since these courses are college courses, grades earned while enrolled in the course are recorded on a SNHU transcript. Portability and transferability of credits rests solely with individual colleges and universities as they have varying policies on accepting transfer credits; thus, it is the student's responsibility to consult with higher educational institutions to determine whether the SNHU course(s) can be transferred.

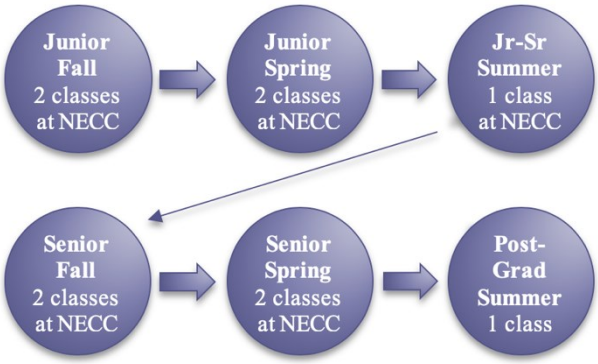
Early College Program — Dual Enrollment at Northern Essex CC

Early College, also known as Dual Enrollment, allows a student to take advantage of college classes on the college campus while still enrolled in high school. Students are able to earn high school and college credits simultaneously. There are many reasons why a student might want to take advantage of this opportunity.

- Get a jump start on your college education while saving a significant amount of money
- Take classes that your high school may not offer
- Explore a variety of career paths
- Experience college while still having the 'safety net' of high school
- Meet students from other high schools who are equally motivated to move forward in their education

The Early College approach is based on the principle that challenging academics, combined with the opportunity to save time and money, is a powerful motivator for students to work hard and meet rigorous intellectual challenges. The Timberlane/ NECC Early College program blends high school and college in a rigorous, yet supportive program that introduces a variety of career related activities in a student's intended field. Should students choose to matriculate at NECC, it would take them less than two years to earn an Associate Degree. The credits in this program are transferable to any public college or university in Massachusetts, and many others in New England and beyond.

Timberlane Regional High School will offer students the opportunity to complete their first year of an Associate Degree from Northern Essex Community College for a reduced fee at the college campus. Students will have access to all NECC campus resources including the library, tutoring center and gym. Students will be able to experience high school and college while exploring career options all at the same time.



In this program, Timberlane students are also NECC students. Both institutions are committed to our students' successful completion of both a high school diploma and the beginning of their Associate Degree. Fall 2024 courses are offered at a reduced rate to be determined closer to the start of the class (for example, 2023-2024 was $128/ credit) . Students can take advantage of Early College classes at NECC during the summer at the same early college rate.

Current supports for students include:

- Dedicated college advisors who work with the students to promote collaboration between student, faculty and Timberlane
- NECC tutors from the academic support center for several NECC courses
- Access to college resource
- Ongoing support from Timberlane and NECC staff

In order to be eligible for the Early College program students must demonstrate the ability to do college level work and meet college level expectations. Therefore, students must:

- Be passing all of their core academic classes with a C or better
- Be in attendance 85% of the time to TRHS

See the following page for the various pathways available to Timberlane students at NECC.

Early College Pathways

Criminal Justice			
	Fall	**Spring**	**Summer**
Year1	English Composition I Psychology/ Sociology	English Composition 2 Criminal Justice	Sociology
Year 2	Computer Applications Ethics	Statistics Criminology	Communications/ Public Speaking

Education			
	Fall	**Spring**	**Summer**
Year1	English Composition I Sociology	English Composition 2 Introduction to Teaching	Exploring the Arts or Intrapersonal Communication
Year 2	Math Elective Psychology	Math Elective Computer Applications	Communications/ Public Speaking

Healthcare			
	Fall	**Spring**	**Summer**
Year1	English Composition I Psychology	English Composition 2 Learning Strategies Healthcare	Intro to Creative Experience
Year 2	Math Elective Human Biology	Math Elective Chemistry	Communications/ Public Speaking

Business			
	Fall	**Spring**	**Summer**
Year1	English Composition I Psychology	English Composition 2 Intro to Business	Sociology
Year 2	Math Elective Microeconomics	Math Elective Macroeconomics	Communications/ Public Speaking

STEM			
	Fall	**Spring**	**Summer**
Year1	English Composition I Math Elective	English Composition 2 Math Elective or Intro to Chemistry	Intro to Ethics or Technical Writing
Year 2	Math Elective General Chemistry	Math Elective Computer Apps or a Lab Science	Communications/ Public Speaking

Liberal Arts			
	Fall	**Spring**	**Summer**
Year1	English Composition I Intro to Sociology	English Composition 2 Macroeconomics	Intro to Psychology
Year 2	Math Elective Computer Applications	Math Elective US History II	Exploring the Arts

Full course descriptions may be found in the NECC Academic Catalog

Credit Recovery Options

Credit recovery is available for students who fail a quarter of a course at TRHS, but **credit recovery is not available for all courses.** Using Edgenuity, an online educational program, students may recover credit for the prior quarter by completing all outlined modules that connect to the competencies that students previously failed to master. Ideally, students will have access to the Edgenuity system one period per day; however, students may work on modules at home or at other outside locations.

In general, a passing grade is determined by passing the "Mastery Assessment" at the end of a particular module. These "Mastery Assessment" tools are post-tests, and ***MAY*** be re-taken; Pre-tests ("Inventory Assessments") ***MAY NOT*** be re-taken. The passing grade for each module will be determined by the standards set by the Edgenuity program. Passing grades typically are 80%. Students who successfully use Edgenuity to recover a failing quarter will have that quarter's *percentage* grade changed to 60%. The *quarter* grade will appear as a "D-" on the student's report card and transcript. The final grade for *the course* will be calculated using the 60% grade. All recovery ***MUST*** be completed by the close of the following marking period.

Excel Study Program

The Excel Study Program addresses the needs of those students who, for various reasons, need a more structured study environment. The program has a tutorial advisor who monitors the student's study time in a smaller class environment. Students may receive additional assistance in the areas of organizational skills development and study skills relevant to their success as a high school student. Additional monitoring will take place with weekly progress reports and monthly conferences with the school counselor. Placement in the Excel Study Program is done through the high school counselors only.

Learning Center

Students may receive their specially designed instruction in a special education setting such as in a learning center. Special Education case coordinators will focus on the goals outlined in the student's individual educational program as determined by the IEP team.

Learning centers are NOT credit bearing, nor is there a curriculum associated with the scheduled learning center placement. Placement in learning center is done through the special education team.

Alternative Credit Options

Credit may be earned through alternative methods outside of regular classroom-based instruction offered by the district schools. Awarding of credits to be applied toward high school graduation will be determined by the building principal or designee, and will be granted only if the request fulfills the following:

- The request is submitted with a plan to achieve competency that meets or exceeds the rigorous academic standards required by the school for students enrolled in a credit course offered by the school.
- The plan includes clear expectations for performance.
- The plan includes clearly defined methods and expectations for assessment.
- Verification of the plan's merit can be evaluated in a timely fashion and does not cause unnecessary burden of the resources of the administration.
- The student demonstrates mastery of the competencies per board policy.

All students who wish to pursue an alternative credit option must receive prior approval through the Assistant Principal of Alternative Programs before beginning the alternative credit option.

Extended Learning Opportunities

The purpose of extended learning opportunities (ELO) is to provide educational experiences that are meaningful and relevant, and that provide students with opportunities to explore and achieve at high levels. Extended learning opportunities may include, but are not limited to, independent study, private instruction, performing groups, internships, community service, apprenticeships, online education, or other opportunities approved by the Superintendent or his/her designee, in conjunction with Board policies.

All programs of study must meet or exceed the proficiencies and skills identified by the New Hampshire State Board of Education, applicable rules and regulations of the Department of Education, all applicable Board policies, and TRSD competencies as outlined by approved curriculum documents. All programs of study proposed through this program shall have specific instructional objectives aligned with the State minimum standards and District curriculum standards. All extended learning opportunities will comply with applicable laws and regulations, including child labor laws and regulations governing occupational safety.

Students wishing to pursue programs of study under these guidelines must first present their proposal to the school's ELO coordinator (Assistant Principal of Alternative Programs) for approval. The name and contact information for the school's ELO coordinator will be found in the Student/Parent Handbook or by contacting the Principal's office or the School Counseling Department. The designated ELO coordinator will assist students in preparing the application form and other necessary paperwork.

Independent Study

Students who desire to pursue individual interests that are not offered in the Timberlane Regional High School curriculum may opt to contract for an independent study program. Circumstances may also warrant that a student pursue regular school subjects on an independent basis. The Independent Study Program fulfills such needs. Students must use the following procedure in order to be accepted into the program:

- The student enlists a faculty sponsor that will assist in developing the independent study proposal.
- The student presents the proposal to the Assistant Principal of Alternative Programs for approval and/or adjustments.
- The student will present the proposal to the student's parent/guardian for approval.
- The student completes and submits the necessary paperwork provided by Assistant Principal of Alternative Programs and the school counseling department.

Internships

The Internship Program is an opportunity for students to gain first-hand knowledge about one or more career paths that they may be planning to pursue. It allows them to learn what skills are used in a particular profession, what other preparation (college and/or training) may be needed, and how what they are learning in the classroom relates to an actual workplace. Participating in an internship may help students gain full-time employment after graduation, or improve their chances for college admission. In some college programs, an internship is in fact required for admission. Internships may be paid or unpaid, and are available to juniors and seniors.

Internships are open to students who:

- Submit an application giving the reasons for seeking the internship, identifying the proposed internship site, and outlining the process for initiating and completing the internship.
- Are enrolled in at least five full-time classes for the current quarter—the internship may count as one of the five courses.
- Have no suspensions or other disciplinary adjustments in the previous quarter.
- Have the application approved by the student's parent, Assistant Principal of Alternative Programs.
- Communicate with the Internship Coordinator a minimum of once every two weeks to review the student's progress in the internship.
- Agree to notify the Assistant Principal of Alternative Programs when the internship has been completed, or if it has been terminated for any reason.

The student will be awarded one-half credit (based on a total of at least 75 hours on the internship site), or one full credit (based on a minimum 150 hours on-site). In order for credit to be awarded for an Independent Study Internship, the student must fulfill all of these requirements:

- Maintain regular attendance at his/her internship site for a minimum of one semester.
- Attend required meetings with the coordinator.
- Keep a log of internship activities and hours to be reviewed periodically by the coordinator.
- Submit a portfolio which summarizes and demonstrates the learning, career information, and value the student has acquired from the internship.
- Present the portfolio in a scheduled meeting.

Online Coursework

Timberlane Regional High School students who wish to enroll and transfer online coursework credit are required to meet with their counselor for pre-approval. Students must be granted authorization prior to their enrollment. Students must complete an approval form and receive prior authorization from their counselor. Credit and GPA weight for online courses will be determined during the pre-approval process.

Credit for an online course will not be granted until an official record of the final grade has been received by the TRHS registrar. It is the responsibility of the student to request the grade be sent to the registrar. The student's official school transcript will document that the course was taken online. The numerical grade earned will be transferred and converted to the equivalent letter grade in the TRHS grading system.

New Hampshire Scholars Program

New Hampshire Scholars is part of the State Scholars Initiative, a national program that uses business leaders to motivate students, beginning in Grade 8, to complete a rigorous course of study in high school – one that will give them a boost in college and careers.

New Hampshire Scholars encourages and motivates all high school students to complete a rigorous course of study that prepares them for successful transition to college coursework or technical training necessary to enter today's competitive job market.

New Hampshire Scholars gives students an edge – one that's of real value to them, the schools they attend, the companies they work for, and the communities where they live.

Parents and students who would like more information about the New Hampshire Scholars are encouraged to visit the New Hampshire Scholars website, www.nhscholars.org.

NH Scholars Core Curriculum	NH Scholars w/STEM Emphasis	NH Scholars w/Arts Emphasis
• **4 Credits of English** (English I, World Literature/World Studies, American Literature/American Studies/AP Language, and 1 additional credit) • **4 Credits of Mathematics** (Algebra I, Geometry, Algebra II, and 1 additional credit) • **3 Credits of Lab-Science** (Biology, Chemistry, and Physics recommended) • **3.5 Credits of Social Studies** (Studies in Civics and Economics, World History/ World Studies/AP World History, US History/American Studies/AP US History, and an additional 0.5 credit) • **2 Credits of World Language** (French or Spanish)	• **4 Credits of English** (English I, World Literature/World Studies, American Literature/American Studies/AP Language, and 1 additional credit) • **4 Credits of Mathematics** (Algebra I, Geometry, Algebra II, and 1 additional credit) • **4 Credits of Science/Engineering** (Biology, Chemistry, and Physics required with 1 additional credit) • **3.5 Credits of Social Studies** (Studies in Civics and Economics, World History/ World Studies/AP World History, US History/American Studies/AP US History, and an additional 0.5 credit) • **2 Credits of World Language** (French or Spanish) • **1 credit of STEM** (Computer Science, Engineering, or Digital Literacy course) • **3.2/4.0 minimum GPA**	• **4 Credits of English** (English I, World Literature/World Studies, American Literature/American Studies/AP Language, and 1 additional credit) • **4 Credits of Mathematics** (Algebra I, Geometry, Algebra II, and 1 additional credit) • **3 Credits of Lab-Science** (Biology, Chemistry, and Physics recommended) • **3.5 Credits of Social Studies** (Studies in Civics and Economics, World History/ World Studies/AP World History, US History/American Studies/AP US History, and an additional 0.5 credit) • **2 Credits of World Language** (French or Spanish) • **2 Credits of Arts (**Art, Music, and/or Theatre courses) • **3.2/4.0 minimum GPA**

NCAA

Are College Athletics in your future?

Athletes considering participating in intercollegiate athletics in any Division I or Division II college program must register with the National Collegiate Athletic Association (NCAA) and meet certain requirements regarding the scope and rigor of their academic program (among other requirements). Courses approved by the NCAA at the time of the publication of the TRHS Program of Studies are noted with the NCAA's circular logo. Students should see their counselor or the Athletic Director for more information.

Students and parents/guardians can read and download a guide for Student Athletes at www.ncaa.org/student-athletes, or visit the eligibility center website: https://web3.ncaa.org/ecwr3/

Diploma Planning Worksheet

If you are interested in meeting the requirements of the NH Scholar program, see page 17 for additional requirements or consult your counselor.

Program Area	Standard	Technical	Scholastic
Fine Arts *(art, music, or theatre)*			
0.5 Credit Elective			
0.5 Credit Elective			
Digital Literacy *(see page 22 for approved courses)*			
0.5 Credit Elective			
English			
English I			
World Literature / World Studies			
American Literature / American Studies			
1 Credit Senior Electives			
Mathematics *(students need to be enrolled in a math intensive course each year, see page 21 for approved courses)*			
Algebra I			
1 Credit Geometry or other Math		Applied or Geometry	Geometry Required
1 Credit Algebra II or other Math		Part I or Algebra II	Algebra II Required
Mathematics or Science (one additional credit in either)			
Science			
Physical Science			
Biology			
1 Credit Elective			Chemistry / Physics
Social Studies			
Studies in Civics and Economics			
World History / World Studies			
American History / American Studies			
World Languages *(must all be the same language)*			
World Language Year 1			
World Language Year 2			
World Language Year 3			
Health and Physical Education			
Health Education I (0.5 Credit)			
Physical Education (0.5 Credit)			
Physical Education (0.5 Credit)			
PE/ Health II elective (0.5 Credit)			
Technical Courses			
Year One Technical Course			
Year Two Technical Course			
Open Electives	6	1.5 - 3.5	4.5
Total Credits	**22**	**23**	**25**

Post-Secondary Education Pathways

Listed below are suggested pathways for students and parents to consider in the Course Selection Process. Students should choose an academic program that is manageable, yet challenges them to reach their highest academic potential. Students should also communicate regularly with their teachers and their counselors to ensure they are placed appropriately within each academic discipline. While colleges value a demanding academic program, they also consider test scores, GPAs, extra-curricular commitments, and recommendations when evaluating students for admission.

Highly Competitive Four Year Colleges

- 4 Credits: English (AP English Language & AP English Literature)
- 4-5 Credits: Math (Algebra I & II, Geometry, Pre-Calculus, and AP Statistics or AP Calculus)
- 4 Credits: Science (Physical Science, Biology, Chemistry, and Physics)
- 4 Credits: World Language
- 3-4 Credits: Social Studies
- Advanced Placement courses are recommended for multiple subject areas

Very Selective Four Year Colleges

- 4 Credits: English
- 4 Credits: Math (Algebra I & II, Geometry, and Probability, Statistics and Trigonometry, or Finite or Pre-Calculus or Calculus)
- 3-4 Credits: Science (Physical Science, Biology, Chemistry, and/or Physics)
- 3-4 Credits: World Language
- 3 .5 Credits: Social Studies
- Advanced Placement courses are recommended for 1-2 subject areas

Selective Four Year Colleges

- 4 Credits: English
- 3-4 Credits: Math (Algebra I & II, Geometry, and Probability, Statistics and Trigonometry or Finite or Pre-Calculus or Calculus)
- 3 Credits: Science (Physical Science, Biology, Chemistry or Physics)
- 2-3 Credits: World Language
- 3 Credits: Social Studies

Two Year Career & Technical Programs

- 4 Credits: English
- 3 Credits: Math (Algebra I & II, and Geometry)
- 3 Credits: Science (Physical Science, Biology, and 3rd year science elective)
- 3 Credits: Social Studies
- Career and Technical courses at Pinkerton Academy or Salem High School

Two Year Community Colleges

- 4 Credits: English
- 3 Credits: Math (Algebra I & II, and Geometry)
- 3 Credits: Science (Physical Science, Biology, and 3rd year science elective)
- 3 Credits: Social Studies

Recommendations for Specific Majors and Programs

Four Year Business Programs

- 4 Credits: Math (Algebra I & II, Geometry, and Algebra III or Pre-Calculus or Calculus or AP courses)
- Related Business courses (Introduction to Business Principles, Accounting, Entrepreneurship, Marketing)

Four Year Engineering and Science Programs

- 4 Credits: Math (Algebra I & II, Geometry, and Algebra III or Finite or Pre-Calculus or Calculus, or AP courses)
- 4-5 Credits: Science (Physical Science, Biology, Chemistry, and Physics or AP courses)
- Related Engineering courses (Intro to Engineering Design, Principles of Engineering, Engineering elective options)
- Consider Computer Science courses

Four Year Nursing and Professional Health Programs

- 4 Credits: Math (Algebra I & II, Geometry, and Algebra III or Pre-Calculus or AP Courses)
- 4-5 credits: Science (Physical Science, Biology, Chemistry, Physics, and Human Anatomy & Physiology or AP courses)

NOTE: Since standards and admission policies vary from school to school, students and parents are advised to review college admissions websites and college planners provided by the Princeton Review and/or other college admission support publications for school counseling and specific recommendations. Students should see their counselor about specific questions.

Mathematics Intensive Credit Options

Students must be enrolled in a mathematics intensive course every school year. In addition to all mathematics courses, the successful completion of any of the following courses may be used to satisfy the graduation requirement of a mathematics intensive course:

Timberlane Regional High School

3D Modeling (0.5 credit)
Introduction to Computer Science (0.5 credit)
Game Programming I (0.5 credit)
Game Programming II (0.5 credit)
Engineering: Industrial robotics and Manufacturing
Engineering Principles
AP® Computer Science A
AP® Computer Science Principles
Chemistry
AP Chemistry
Physics
AP Physics I
AP Physics II

Pinkerton Academy CTE

Environmental Science & Natural Resources II
Electrical Technology I
Electrical Technology II
Welding Technology II

Salem High School CTE

Automotive
Carpentry
Engineering
Accounting
Biomedical science
Culinary arts
Computer science

Digital Literacy Credit Options

Successful completion of any of the following courses will satisfy the graduation requirement of 0.5 credit in Digital Literacy:

Information Technology
Microsoft Office Essentials for Business
Web Design
Introduction to Computer Science
Game Programming I
Game Programming II
AP® Computer Science A
AP® Computer Science Principles
Graphic Design
3D Modeling
Engineering: Industrial robotics and Manufacturing
Engineering Principles
Computer Maintenance & Repair (Salem CTE)
Microcomputer Applications 1 (Salem CTE)

Courses Offered at a Glance

Explanation of Codes:

AP	Advanced Placement (as authorized by the College Board)
ACC	Accelerated
CCP	College and Career Prep
ACC/CCP	Offered as ACC or CCP—Students may choose to contract for ACC credit
NL	Non-Leveled

Art Department

Course		Level	Grades				Credits	Page No.
Foundations of Art	001	NL	9	10	11	12	0.5	31
2-D Art	002	NL	9	10	11	12	0.5	31
Sculpture	003	NL	9	10	11	12	0.5	31
Graphic Design	016	NL	9	10	11	12	0.5	31
Painting Exploration	019	NL	9	10	11	12	0.5	31
3D Modeling	151	CCP	9	10	11	12	0.5	31
Pottery I	010	NL	9	10	11	12	0.5	32
Pottery II	011	ACC		10	11	12	0.5	32
Drawing	005	NL	9	10	11	12	0.5	32
Cartooning and Animation	008	NL	9	10	11	12	0.5	32
Photography	012	NL	9	10	11	12	0.5	32
Photography II	017	ACC		10	11	12	0.5	32
AP® Studio Art	013	AP			11	12	1	32

Business Department

Courses		Level	Grades				Credits	Page No.
Microsoft Office Essentials for Business	108	CCP	9	10	11	12	0.5	33
Introduction to Business Principles	116	CCP		10	11	12	0.5	33
Personal Money Management	118	CCP		10	11	12	0.5	33
College Accounting I	119	ACC			11	12	0.5	33
College Accounting II	122	ACC			11	12	0.5	33
Entrepreneurship	117	ACC			11	12	0.5	33
Exploring Teaching	140	ACC			11	12	0.5	34
Marketing	125	CCP			11	12	0.5	34
Practicing Teaching	142	ACC			11	12	0.5	34
Sports and Entertainment Management	121	CCP			11	12	0.5	34

Computer Science and Digital Literacy Department

Course		Level	Grades				Credits	Page No.
Information Technology	157A	CCP	9	10	11	12	0.5	35
Introduction to Computer Science	189	CCP	9	10	11	12	0.5	35
Web Design	141	CCP	9	10	11	12	0.5	35
Game Programming I	164	ACC	9	10	11	12	0.5	36
Game Programming II	165	ACC		10	11	12	0.5	36
AP® Computer Science Principles	167AP	AP	9	10	11	12	1	36
AP® Computer Science A	167	AP		10	11	12	1	36
Evolution of Games	150	CCP	9	10	11	12	0.5	36

English Department

Course		Level	Grades				Credits	Page No.
English I	201	ACC	9				1	38
English I	203	CCP	9				1	38
World Literature	222	ACC		10			1	38
World Literature	221	CCP		10			1	38
World Studies	808	ACC/CCP		10			2	38
American Literature	216	ACC			11		1	38
American Literature	218	CCP			11		1	38
American Studies	816	ACC/CCP			11		2	39
AP® English Language and Composition	270	AP			11		1	39
Creative Book Transformation	230	ACC/CCP		10	11	12	0.5	39
Creative Writing I	229	ACC/CCP			11	12	0.5	39
Creative Writing II	231	ACC			11	12	0.5	39
Portfolio Writing	172	ACC/CCP		10	11	12	0.5	39
Expository Writing	209	ACC				12	0.5	40
Expository Writing	217	CCP				12	0.5	40
Gender Issues in Literature	262	ACC				12	0.5	40
Graphic Novel as Literature	268	ACC/CCP				12	0.5	40
Journalism	263	ACC/CCP			11	12	1	40
Modern World Literature	260	ACC				12	0.5	40
The Short Story and Its Writer	255	CCP				12	0.5	41
AP® English Literature and Composition	227	AP				12	1	41
Film Studies (Elective Credit Only)	264	ACC/CCP		10	11	12	0.5	41
Public Speaking (Elective Credit Only)	266	ACC/CCP		10	11	12	0.5	41
Mythology and the Classical World (Elective Credit Only)	344	ACC	9	10	11	12	0.5	41

Family and Consumer Science Department

Course		Level	Grades				Credits	Page No.
Child Development	501	NL		10	11	12	1	42
Child Care	503	NL			11	12	1	42
Creative Sewing	505	NL			11	12	0.5	42
Designing Homes	525	NL			11	12	0.5	42
Contemporary Culinary Arts	515	NL		10	11	12	0.5	42
Gourmet Foods	513	NL			11	12	0.5	42
Baking and Pastries	512	NL			11	12	0.5	42

Health and Physical Education Department

Course		Level	Grades				Credits	Page No.
Health I	402	CCP	9	10	11	12	0.5	43
Health II	412	CCP		10	11	12	0.5	43
Introduction to Physical Education	403	CCP	9				0.5	43
Introduction to Physical Education	405	CCP		10	11	12	0.5	43
Introduction to Fitness	414	CCP	9				0.5	43
Introduction to Fitness	415	CCP		10	11	12	0.5	43
Fitness II	416A	CCP	9	10	11	12	0.5	43
Competitive Physical Education	417	CCP	9	10	11	12	0.5	43
Unified and Adaptive Physical Education	418	CCP	9	10	11	12	0.5	43
Studies in Women's Health and Wellness	400	CCP		10	11	12	0.5	43

Industrial Technology Department

Course		Level	Grades				Credits	Page No.
Introduction to Industrial Trades	550	NL	9	10	11	12	0.5	44
Materials and Manufacturing / Wood Tech. I	577	NL	9	10	11	12	0.5	44
Materials and Manufacturing / Wood Tech. II	579	NL		10	11	12	0.5	44
Materials and Manufacturing / Wood Tech. III	580A	ACC			11	12	0.5	44
Engineering: Industrial Robotics and Manufacturing	TBD	CCP	9	10	11	12	1	44
Engineering Principles	TBD	ACC	9	10	11	12	1	44

Mathematics Department

Course		Level	Grades				Credits	Page No.
Math Fundamentals	603	CCP	9				1	45
Algebra I	607	ACC	9				1	45
Algebra I	609	CCP	9	10			1	46
Algebra Lab	610	NL	9				1	46
Geometry	613	ACC	9	10			1	46
Geometry	615	CCP		10	11	12	1	46
Applied Geometry	616	CCP		10	11	12	1	46
Algebra II	619	ACC		10	11	12	1	46
Algebra II	621	CCP		10	11	12	1	46
Algebra II Part 1	623	CCP			11	12	1	46
Algebra II Part 2	624	CCP			11	12	1	47
Probability, Statistics and Trigonometry	641	CCP			11	12	1	47
Probability, Statistics and Trigonometry	642	ACC			11	12	1	47
Finite Mathematics	639	CCP			11	12	1	47
Topics in Mathematics	604	CCP			11	12	1	47
Pre-Calculus	629	ACC			11	12	1	47
Calculus	640	ACC			11	12	1	47
AP® Calculus	633	AP				12	1	48
AP® Statistics	636	AP				12	1	48

Music Department

Course		Level	Grades				Credits	Page No.
Band	057	NL	9	10	11	12	1	49
Orchestra	058	NL	9	10	11	12	1	49
Concert Choir	055	NL	9	10	11	12	1	49
Jazz Band	061	ACC	9	10	11	12	1	49
Survey of Music	051	CCP	9	10	11	12	0.5	50
Theory I	063	ACC	9	10	11	12	0.5	50
Theory II	065	ACC	9	10	11	12	0.5	50
Guitar I	067	CCP	9	10	11	12	0.5	50
Guitar II	069	CCP	9	10	11	12	0.5	50
Guitar Orchestra	070	NL	9	10	11	12	1	50
Chamber Ensemble	056	ACC		10	11	12	1	50
Chamber Orchestra	TBD	ACC		10	11	12	1	50

Science Department

Course		Level	Grades				Credits	Page No.
Physical Science	705	ACC	9				1	51
Physical Science	707	CCP	9				1	51
Applied Physical Science	708	CCP	9		11	12	1	51
Physical Science/ Biology Integrated	710	ACC	9				2	51
Biology	709	ACC	9	10	11	12	1	52
Biology	711	CCP		10	11	12	1	52
Applied Biology	713	CCP		10	11	12	1	52
Chemistry	727	ACC		10	11	12	1	52
Chemistry	729	CCP		10	11	12	1	52
Physics / Chemistry Integrated	730	ACC		10	11	12	2	52
Physics	731	ACC		10	11	12	1	52
Physics	733	CCP		10	11	12	1	52
Environmental Science	722	ACC		10	11	12	0.5	53
Environmental Science	721	CCP		10	11	12	0.5	53
Forensics	724	CCP			11	12	0.5	53
Human Anatomy and Physiology	715	ACC		10	11	12	1	53
Human Anatomy and Physiology	717	CCP		10	11	12	0.5	53
Introduction to Meteorology	723	CCP		10	11	12	0.5	53
Investigations in Space Science	745	ACC			11	12	0.5	53
AP® Biology	737	AP			11	12	1	54
AP® Chemistry	735	AP			11	12	1	54
AP® Environmental Science	742	AP			11	12	1	54
AP® Physics I	734	AP			11	12	1	54
AP® Physics II	734A	AP			11	12	1	54

Social Studies Department

Course		Level	Grades				Credits	Page No.
Studies in Civics and Economics	803A	ACC	9				1	55
Studies in Civics and Economics	804C	CCP	9				1	55
World History	806	ACC		10			1	56
World History	811	CCP		10			1	56
World Studies	808	ACC/CCP		10			2	56
AP® World History	821	AP		10	11	12	1	56
United States History	807	ACC			11		1	56
United States History	809	CCP			11		1	56
American Studies	816	ACC/CCP			11		2	56
AP® United States History	819	AP			11	12	1	56
American Values in Film and Music*	841	ACC/CCP			11	12	0.5	57
Behavioral Psychology	840	ACC		10	11	12	0.5	57
Constitutional Law*	832	ACC			11	12	0.5	57
Cultural Geography*	823	CCP		10	11	12	0.5	57
Current Issues	843	CCP		10	11	12	0.5	57
History of Sports	833	ACC/CCP		10	11	12	0.5	57
Law	831	CCP		10	11	12	0.5	57
Popular Culture	834	ACC/CCP		10	11	12	0.5	58
Psychology	839	CCP		10	11	12	0.5	58
Social Science of Well-Being	845	ACC			11	12	0.5	58
Sociology*	835	CCP		10	11	12	0.5	58
AP® Psychology	844	AP			11	12	1	58
AP® US Government and Politics	820	AP				12	1	58
AP® Human Geography	822	AP				12	1	59

*** indicates that these courses will be offered in alternating school years as outlined below**

School year type (start of school year even/ odd)	School year calendar numbers	Courses being offered
Odd	2025/2026	American Values in Film and Music; Sociology
Even	2026/2027	Cultural Geography; Constitutional Law
Odd	2027/2028	American Values in Film and Music; Sociology
Even	2028/2029	Cultural Geography; Constitutional Law

Special Education Department

Course		Level	Grades				Credits	Page No.
Life Skills—Daily Living	980A	NL	9	10	11	12	1	60
Life Skills—Consumer Math	982A	NL	9	10	11	12	1	60
Life Skills—Career planning	983A	NL	9	10	11	12	0.5	60
Reading	960	NL	9	10	11	12	1	60
Unified and Adaptive Physical Education and Health	418	CCP	9	10	11	12	0.5	60

Theater Department

Course		Level	Grades				Credits	Page No.
Introduction to Theater	252	NL	9	10	11	12	0.5	61
Improvisation	267	NL	9	10	11	12	0.5	61
Advanced Acting	265	ACC		10	11	12	0.5	61
Playwriting	253	ACC			11	12	0.5	61

World Language Department

Course		Level	Grades				Credits	Page No.
French I	307	CCP	9	10	11	12	1	62
French II	314	ACC	9	10	11	12	1	62
French II	313	CCP	9	10	11	12	1	62
French III	320	ACC		10	11	12	1	62
French III	319	CCP		10	11	12	1	63
French IV	331	ACC			11	12	1	63
French IV	327	CCP			11	12	1	63
French V	338	ACC				12	1	63
AP® French Language and Culture	342	AP				12	1	63

Spanish I	311	CCP	9	10	11	12	1	64
Spanish II	318	ACC	9	10	11	12	1	64
Spanish II	317	CCP	9	10	11	12	1	64
Spanish III	322	ACC		10	11	12	1	64
Spanish III	321	CCP		10	11	12	1	64
Spanish IV	335	ACC			11	12	1	65
Spanish IV	324	CCP			11	12	1	65
Spanish V	340	ACC				12	1	65
AP® Spanish Language and Culture	343	AP				12	1	65

Career and Technical Education—Salem High School

Course		Level	Grades				Credits	Page No.
Automotive Technology:								
Automotive Technology 1	861	CCP			11		2	66
Automotive Technology 2	863	CCP				12	2	66
Biomedical Science:								
Biomedical Science 1	870A	CCP			11		2	67
Biomedical Science 2	872B	CCP				12	2	67
Business Pathways:								
Business Principles	878F	CCP			11		1	67
Marketing	893	CCP			11		1	67
Accounting	878E	CCP			11	12	1	67
Business Law	878G	CCP			11	12	1	67
Business Management	878S	CCP			11	12	1	68
Carpentry								
Carpentry 1	865	CCP			11		2	68
Carpentry 2	867	CCP				12	2	68
Computer Science Technology Pathway:								
AP Computer Science Principles	873A	AP			11		2	68
AP Computer Science A	873B	AP				12	2	68
Cosmetology Pathway:								
Cosmetology 1	848	CCP			11		2	69
Cosmetology 2	849	CCP				12	2	69
Culinary Arts and Hospitality:								
Culinary Arts 1	881	CCP			11		2	69
Culinary Arts 2	883	CCP				12	2	69
Engineering Pathway:								
Engineering 1	856E	CCP	9	10	11	12	1	70
Engineering 2	856E2	CCP	9	10	11	12	1	70
Engineering 3	856E3	CCP			11	12	2	70
Graphics & Digital Design Pathway:								
Graphic & Digital Design 1	897B	CCP			11		2	70
Graphic & Digital Design 2	898A	CCP				12	2	70
Health Science Pathway:								
Health Science Technology 1	889	CCP			11		2	71
Health Science Technology 2	891	CCP				12	2	71
Teacher Pathway:								
Teacher Education 1	857A	CCP			11		2	72
Teacher Education 2	857B	CCP				12	2	72
Television and Media Production:								
Television and Media Production 1	864	CCP			11		2	72
Television and Media Production 2	858	CCP				12	2	72

Career and Technical Education—Pinkerton Academy

Course		Level	Grades				Credits	Page No.
Animal Science & Management	TBD	CCP			11		2	73
Animal Health & Veterinary Technology	859B	CCP				12	2	73
Architecture & Design 1	TBD	CCP			11		2	73
Architecture & Design 2	TBD	CCP				12	2	73
Electrical Technology I	872	CCP			11		2	74
Electrical Technology II	872A	CCP				12	2	74
Environmental Science Level 1	TBD	CCP			11	12	2	75
Environmental Science 2	TBD	CCP			11	12	2	75
Welding Technology I	874	CCP			11		2	74
Welding Technology II	874A	CCP				12	2	74

EVENING DIVISION (Courses typically offered through Evening Division—Subject to change)

Art

Course		Level	Grades				Credits	Page No.
Foundations of Art	001	CCP	9	10	11	12	0.5	76

Business

Course		Level	Grades				Credits	Page No.
Microsoft Office Essentials	108	CCP	9	10	11	12	0.5	76

English

Course		Level	Grades				Credits	Page No.
World Literature	221	CCP		10	11	12	1	76
American Literature	218	CCP			11	12	1	76
Expository Writing	217	CCP			11	12	0.5	77
The Short Story and Its Writer	255	CCP			11	12	0.5	77

Health and Physical Education

Course		Level	Grades				Credits	Page No.
Intro to Physical Education	405	CCP		10	11	12	0.5	77
Health I	402	CCP	9	10	11	12	0.5	77
Health II	412	CCP		10	11	12	0.5	77

Math

Course		Level	Grades				Credits	Page No.
Algebra I	609	CCP		10	11	12	1	78
Applied Geometry	616	CCP		10	11	12	1	78
Algebra II Part 1	623	CCP			11	12	1	78

Science

Course		Level	Grades				Credits	Page No.
Physical Science	707	CCP		10	11	12	1	78
Applied Biology	713	CCP		10	11	12	1	78
Environmental Science	721	CCP			11	12	0.5	78
Introduction to Meteorology	723	CCP			11	12	0.5	78

Social Studies

Course		Level	Grades				Credits	Page No.
World History	811	CCP		10	11	12	1	78
United States History	809	CCP			11	12	1	79
American Values in Film and Music	841	CCP			11	12	0.5	79
Cultural Geography	823	CCP			11	12	0.5	79
Current Issues	843	CCP			11	12	0.5	79

Art Department

The Art program is dedicated to developing fundamental visual skills and knowledge about artists and art movements. This is done by requiring students to take Foundations of Art as a prerequisite for any of the art electives. Those who choose to continue with art electives will then begin to develop new skills and gain greater appreciation for art as a means of communication and understanding in society.

Level One

Foundations of Art

Level Two

2-D Art
Sculpture
Graphic Design
Photography
3D Modeling
Painting Exploration
Pottery I
Cartooning and Animation
Drawing

Level Three

Pottery II
Photography II

Level Four

AP Studio art

Course Descriptions:

Foundations of Art 001

NL
Half Year
0.5 Credit
Gr. 9-12

Two-dimensional and three-dimensional art and design will be explored and applied. Elements of art, drawing and painting skills, expressive ideas and imaginative thinking will be reinforced. Introduction to artists and techniques both contemporary and historic are included to enhance understanding. ***Foundations of Art is a prerequisite to all other Art Department courses. Students wishing to waive this course must apply through the TRHS School Counseling Department. The waiver process requires an 85% grade or better on the Foundations of Art Final Exam and a subsequent portfolio presentation.***

2-D Art 002

NL
Half Year
0.5 Credit
Gr. 9-12

Principles of design are explored in a variety of media and techniques including pencil, acrylic paint, collage, and printmaking. Students will utilize the elements of art to demonstrate understanding of the principles of design within their own work and that of famous artists. ***Prerequisite: Foundations of Art***

Sculpture 003

NL
Half Year
0.5 Credit
Gr. 9-12

The three-dimensional world of visual art is creatively investigated in this course. Media such as clay, wire, and found objects are used to explore creative ways that forms can occupy space. The art of sculptors, architects and designers may be used as examples of how artists apply the elements of art and the principles of design in their work. ***Prerequisite: Foundations of Art***

Graphic Design 016

NL
Half Year
0.5 Credit
Gr. 9-12

Students will use design software to develop an understanding of how visual images affect all aspects of our lives. The principles of design and elements of art will be used as visual problem-solving exercises. The tools, language, techniques, and typography of the graphic design industry will be applied to develop a body of work that demonstrates effective communication. The contribution of significant designers and the history of design will be studied. ***Prerequisite: Foundations of Art***

Painting Exploration 019

NL
Half Year
0.5 Credit
Gr. 9-12

This course is an opportunity for students to explore various painting mediums. Students will develop an understanding for creating an effective composition through utilizing the principles of design and the elements of art. Basic color theory and how it relates to various mediums will also be explored. ***Prerequisite: Foundations of Art***

Pottery I 010

NL
Half Year
0.5 Credit
Gr. 9-12

Hand building techniques will provide students with skills to create pottery that is functional, non-functional and personally expressive. Various clay bodies, glazes, and kiln firing techniques used by potters will be introduced in order to expand students' subject area knowledge. Demonstrations and critiques will accompany assignments. ***Prerequisite: Foundations of Art***

Pottery II 011

ACC
Half Year
0.5 Credit
Gr. 10-12

This course is an extension of Pottery I, exploring more advanced techniques of surface decoration, hand building and wheel-throwing. Anatomy of the human skull will be explored through the creation of a portrait sculpture. Student's final project will be self-designed based on individual interests. ***Prerequisite: Pottery I***

Drawing 005

NL
Half Year
0.5 Credit
Gr. 9-12

Advanced methods of drawing, self-expression and conceptual imagery, as well as further development in areas of composition, perspective, and observation skills will be explored. The ability to use visual images as non-verbal communication tools will be emphasized. Application of the elements of art and principles of design in one's own artwork as well as those of master artists are included. ***Prerequisite: Foundations of Art***

Cartooning and Animation 008

NL
Half Year
0.5 Credit
Gr. 9-12

Advanced methods in Illustration will be explored as well as the history of animation. Students will learn how to develop their own characters, illustrate and design their own comic strip, storyboards, write text/dialog, explore caricatures, pop art and create paper and digital animations. **Prerequisite: Foundations of Art**

3D Modeling 151

CCP
Half Year
0.5 Credit
Gr. 9-12

Students will learn the 3D modeling techniques used in the world today. Using 3D modeling software students will work in this highly skill-based art form to manipulate and sculpt pure imagination into substantial forms. By the end of the course, students will have developed a portfolio of original projects that students can use when applying for an internship, higher education, or a job. **Prerequisite: Foundations of Art**

Photography 012

NL
Half Year
0.5 Credit
Gr. 9-12

Students will explore film and digital photography as an artistic tool. Using the camera as their eye, students will learn the art of creating a dynamic composition while gaining an understanding of the photo printing process using the darkroom and digital printing techniques. The Adobe Creative Suite will be used to edit and enhance photographs, both digital and from the darkroom. A variety of photographers and cultural influences will be studied to gain an appreciation for the aesthetics of photography. **Prerequisite: Foundations of Art**

Photography II 017

ACC
Half Year
0.5 Credit
Gr. 10-12

The objective of Photography II is to achieve a higher level of technical skill developing and printing black and white film. Digital cameras and advanced use of Adobe Photoshop will be used as a tool to enhance students' photography. A photography portfolio that demonstrates a body of work representing skill, personal expression and artistic vision using a wide variety of compositions will be an important aspect of this course. ***Prerequisite: Photography I***

AP® Studio Art 013

AP
Full Year
1 Credit
Gr. 11-12

The Advanced Placement program in Studio Art is intended for the highly motivated student interested in the serious study of art. Students should be aware that Advanced Placement curriculum involves significantly more time than the typical high school course and is not for the casually interested art student. Each student will need to work outside the classroom beyond scheduled class time. Students will focus on creating a Drawing 2D or 3D Portfolio consisting of 24 total pieces. Students will then submit the portfolio to the AP Board with the possibility of earning college credit. ***Prerequisite: A minimum of two level 2 art classes. Note : Summer preparatory work may be an additional requirement of the course.***

Business Department

The Business Department of Timberlane High School is committed to preparing students for a rapidly changing world by expanding each student's knowledge, experience, and skills in business. We believe the knowledge, skills, and ethics taught are essential for dynamic, life-long participation in a global and information society – promoting success in one's personal, college, and career decisions. The emphasis of our program is active learning of practical business knowledge through collaboration, class discussion, hands-on learning, and innovative problem solving.

Course Descriptions:

Microsoft Office Essentials for Business 108

CCP
Half Year
0.5 Credit
Gr. 9-12

This hands-on course is designed to develop proficiency in Microsoft Office and enhance decision making, productivity communication and problem solving skills. Instructional strategies include computer/technology applications, interdisciplinary and/or culminating projects, problem solving and critical thinking activities. Integral to the course will be student creation and design of original documents.

Introduction to Business Principles 116

CCP
Half Year
0.5 Credit
Gr. 10-12

This course is designed to teach students business skills that can be used in daily life and in preparation for further business studies. This class provides an exciting overview of the world of business. We will emphasize the importance of the economy, owning and operating a business, small business influences, and buying goods and services. Individual and group assignments will be assigned. This course is intended for students who wish to learn more about business industries and what they have to offer.

Entrepreneurship 117

ACC
Half Year
0.5 Credit
Gr. 11-12

This course is designed for those who wish to own and operate their own business and/or who wish to continue their business studies at a post-secondary institute. It focuses on recognizing a business opportunity, starting a business based on that opportunity, and operating and maintaining that business. Students will be working in groups, where they will develop a business plan and run a business. This will be a fast paced course where students will learn to practice their time management skills and ability to work with others. ***Prerequisite: Successful completion of Introduction to Business Principles.***

Personal Money Management 118

CCP
Half Year
0.5 Credit
Gr. 10-12

The growing emphasis on financial literacy has highlighted the need for students to learn how to navigate the financial decisions they must make and how to make informed decisions related to managing finances and budgeting, saving and investing, living independently, earning and reporting income, buying goods and services, using credit, banking and protecting against risk. Knowing, understanding and applying these concepts offers the necessary tools for addressing economic issues, both personal and societal.

College Accounting I 119

ACC
Half Year
0.5 Credit
Gr. 11-12

How do businesses prosper in tough economic times? Explore the language of business and find out! Learn the accounting cycle using manual and computerized accounting systems for sole proprietorships, partnerships and corporations. This semester course is open to any student who wants to understand the flow of money in business. If you are planning a career in business, finance, management, marketing, banking, accounting or plan on going into business on your own, this course is a must!

College Accounting II (SNHU Dual Enrollment opportunity) 122

ACC
Half Year
0.5 Credit
Gr. 11-12

Get ahead of the competition and begin your college career with three credits! If you plan on taking accounting, finance, business management, business administration, and/or marketing in college, this course, taught at the first-year college level, is strongly recommended. A continuation of Accounting I, you'll use manual and computerized accounting systems to expand your knowledge of accounting systems. ***Prerequisite: Successful completion of College Accounting I. Note: Students will be eligible to apply for college credit through Southern New Hampshire University***

Sports and Entertainment Management 121

CCP

Half Year

0.5 Credit

Gr. 11-12

This course is designed for students who wish to take their first step into the world of sports and entertainment, by either entering the workforce in an entry level position or continuing onto a post-secondary institution. Management topics discussed include leadership, finance, product management, people management, information management, legal and ethical issues, customer relations, sales management, managing change and career development. Students will work on various projects independently in group settings. ***Prerequisite: Successful completion of Introduction to Business Principles.***

Marketing 125

CCP

Half Year

0.5 Credit

Gr. 11-12

Would you like to write a Super Bowl commercial, design a logo for a new product, or create a social media campaign for your favorite company? Marketing is an introductory course designed for students who are interested in learning and applying the marketing strategies and tactics used in the world's most successful companies. In addition, communication, interpersonal, and technology skills will be developed. Creative, hands-on projects and collaborative activities are

Exploring Teaching 140

ACC

Half Year

0.5 Credit

Gr. 11-12

Have you ever considered being a teacher? Imagine yourself in front of a classroom, teaching what you love. This activity-based course is the first step towards a career in education. Through classroom observations, discussion with experienced educators, and classroom activities, you will learn the "behind the scenes" of being a teacher including how to become a certified teacher, classroom management skills, and creating engaging lessons.

Practicing Teaching (SNHU Dual Enrollment opportunity) 142

ACC

Half Year

0.5 Credit

Gr. 11-12

Do you have what it takes to be a teacher? Find out in this follow up course to Exploring Teaching! While completing a 30-hour internship, you will develop your teaching skills under the supervision of an experienced educator at the elementary, middle school, or high school class of your choice. ***Prerequisite: successful completion of Exploring Teaching. Note: Students will be eligible to apply for college credit through Southern New Hampshire University.***

For more information on dual enrollment opportunities, please see pg. 10.

Computer Science & Digital Literacy Department

The Computer Science and Digital Literacy Department acknowledges its responsibility to prepare students not just for today's world, but also for their future. Since computers are a significant part of our lives and are designed to play an even greater role; the following courses are designed to prepare students.

Level One

Introduction to Computer Science

Information Technology

Web Design

Level Two Gaming

Game Programing I

Game Programing II

Evolution to Games*

Level Two Advanced Placement

AP Computer Science A

AP Computer Science Principles

NOTE: ***Successful completion of any of these courses will satisfy the graduation requirement of 0.5 credit in Digital Literacy*** (EXCEPT Evolution of Games)

Introduction to Computer Science—CCP 189

CCP
Half Year
0.5 Credit
Gr. 9-12

This course teaches the foundations of computer science and basic programming using a modern programming language. It is intended for students with no programming experience, but more advanced students will be able set their own pace and dive deeper into the course concepts.

Information Technology—CCP 157A

CCP
Half Year
0.5 Credit
Gr. 9-12

This course is designed to promote a working knowledge and understanding of computer information technology concepts, skills and capabilities that support academic and professionally related goals and requirements. This is accomplished, in part, by using word processing, spreadsheet, presentation, and database software. Students also learn about the application and science of information technology and the fundamentals of computer information technologies along with issues that affect people today.

Web Design– CCP 141

CCP
Half Year
0.5 Credit
Gr. 9-12

Want to create your own website? This course is designed to learn about the essential elements of effective web page design. Try a little coding by creating web pages using HTML code. Create professional website using CCS styles and designs. Students will build all-inclusive web sites with various formatting techniques, graphics, and links. Professional products will be created through the use of creativity, smart design choices, and problem solving.

Game Programming I 164

ACC
Half Year
0.5 Credit
Gr. 9-12

This semester course is an interactive, project-based course that uses a modern game development engine with a focus on 2D games. Students will learn about the process for designing, developing and iterating on an electronic game, how to break down a complex project into manageable pieces, and about what makes a game compelling and playable. The course promises to be a mix of hard work and fun, with an emphasis on independent learning, complex thinking and creativity. Students will come away with several fully functional games. ***Prerequisite: Intro to Computer Science or Instructor approval.***

Game Programming II 165

ACC
Half Year
0.5 Credit
Gr. 11-12

This semester course is an interactive, project-based course that uses a modern game development engine with a focus on 3D games. Students will learn about the process for designing, developing and iterating on modern 2D and 3D electronic games, and about what makes a game compelling and playable. The course promises to be a mix of hard work and fun, with an emphasis on independent learning, complex thinking and creativity. Students will come away with several fully functional games. ***Prerequisite: Game Programing I***

Evolution of Games 150

CCP
Half Year
0.5 Credit
Gr. 9-12

Today's professional game designers understand and implement dynamics from many different types of games in their blockbuster hits. In this course, students will explore ancient cultures, their games, and how they designed games using the available technology and resources. Find out more about the benefits game playing has within a society. Students will prototype and play games as well as get hands-on experience by creating their own games. **Please note that this course does NOT meet the 0.5 Digital Literacy Credit as required for graduation.**

AP® Computer Science Principles 167AP

AP
Full Year
1 Credit
Gr. 9-12

This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. In addition to programming in JavaScript, this course covers other topics in depth including how the internet works, big data and privacy. This course is suitable for both novice and experienced programmers alike. ***Prerequisite: Intro to Computer Science or Instructor approval***

AP® Computer Science A 167

AP
Full Year
1 Credit
Gr. 10-12

This full year course is equivalent to a first-semester, college-level course in computer science.

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design. ***Prerequisite: Intro to Computer Science or Instructor approval***

English Department

Every word wants to be taken literally; else, it decays into a lie. But one mustn't take any word literally; else the world becomes a madhouse. –Robert Musil

The Timberlane English Department is about words. For all four years at Timberlane Regional High School, students will be experiencing the best examples of how words can be shaped into shouts of joy, cries of anguish, cautious warnings, hopeful pleas, and invitations into the limitless possibilities of how words can indeed change the world. Students will also spend the next four years learning how to shape their own words, to learn how to listen to their inner voices, and translate those voices onto paper. They will learn how to listen to other students' words thoughtfully, with respect and with interest. They will learn that words can be communicated non-verbally; presentation, oral reports, and speeches are not just about what one's message is, but about how one says it. Each student in English class will be a word reader, a word shaper, and a word listener. The goal of the Timberlane English Department's dedicated staff is to help each student help him/herself to become one who understands the incredible responsibility and power that comes with the mastery of words.

Freshman

- CCP English I
- ACC English I

Sophomore

- CCP World Literature
- CCP/ACC World Studies
- ACC World Literature
- CCP/ACC *
  - Creative Book Transformation
  - Portfolio Writing

Junior

- CCP American Literature
- CCP/ACC American Studies
- ACC American Literature
- AP®
  - English Language and Composition
- CCP/ACC *
  - Creative Book Transformation
  - Creative Writing I
  - Creative Writing II (ACC only)
  - Journalism (full year)
  - Portfolio Writing

Senior

- CCP
  - Expository Writing
  - The Short Story and Its Writer
- CCP / ACC
  - Creative Book Transformation
  - Creative Writing I
  - Graphic Novel as Literature
  - Journalism (full year)
  - Portfolio Writing
- ACC
  - Creative Writing II
  - Expository Writing
  - Gender Issues in Literature
  - Intro to Critical Analysis
  - Modern World Literature
- AP®
  - English Literature and Composition

Non-English Credit Electives**

**These courses do not count toward the English requirement.

- CCP/ACC
  - Mythology and the Classical World 9-12
  - Film Studies 10-12
  - Public Speaking 10-12

**** These courses are an option for students in addition to their grade level English course.***

Course Descriptions:

English I—ACC 201

ACC
Full Year
1 Credit
Gr. 9

This course provides a solid foundation in English through an integrated approach to student growth in reading, writing, speaking, and listening. Students will develop their writing skills through the drafting process. The study of literature emphasizes the understanding of selected fiction, poetry, and drama. In addition, students are introduced to the research process and will build on their research skills throughout the year. While investigating literary genres, students will study grammar and vocabulary. This course develops skills at an accelerated pace for students who want experiences that will prepare them for advanced work in a college situation.

English I—CCP 203

CCP
Full Year
1 Credit
Gr. 9

This course provides a solid foundation in English through an integrated approach to student growth in reading, writing, speaking, and listening. Students will develop their writing skills through the drafting process. The study of literature emphasizes the understanding of selected fiction, poetry, and drama. In addition, students are introduced to the research process and will build on their research skills throughout the year. While investigating literary genres, students will study grammar and vocabulary.

World Literature—ACC 222

ACC
Full Year
1 Credit
Gr. 10

In this course, students will explore world literature that is chosen for its relevance as an expression of human thought and its relationship to students' own experiences. Students will learn to analyze texts and research, understand the societies from which they emerged, and recognize the roles those societies played in shaping today's world. Literature will represent a variety of genres and cultures. Students will continue to develop skills through vocabulary acquisition, informational writing, argumentative writing, research, and oral presentations. This course develops skills at an accelerated pace for students who want experiences that will prepare them for advanced work in a college situation.

World Literature—CCP 221

CCP
Full Year
1 Credit
Gr. 10

In this course, students will explore world literature that is chosen for its relevance as an expression of human thought and its relationship to students' own experiences. Students will learn to analyze texts and research, understand the societies from which they emerged, and recognize the roles those societies played in shaping today's world. Literature will represent a variety of genres and cultures. Students will continue to develop skills through vocabulary acquisition, informational writing, argumentative writing, research, and oral presentations.

World Studies 808

ACC/CCP
Full Year
2 Credits
Gr. 10

World Studies is an interdisciplinary course that combines history and literature. This course emphasizes the intricate thematic connections between history and literature. Analysis of historical sources and documents coupled with analysis of literature will be the main focus through reading, writing, and collaborative projects. This course examines problems in the world today and seeks to understand the root historical causes of these issues. This is a team-taught course that meets both 'A' days and 'B' days. It fulfills the graduation requirements for World History and World Literature. Students may contract for accelerated credit.

American Literature—ACC 216

ACC
Full Year
1 Credit
Gr. 11

This course focuses American literacy and cultural themes, as reflected in a variety of literature including poetry, drama, fiction, and non-fiction texts reflecting major movements in American history. Students will continue to develop skills through vocabulary study, literary analysis, research, and composition. This course develops 21t century skills to prepare students to be active participants in society. Class will move at an accelerated pace of students who want experiences that will prepare them to advanced work in college situation.

American Literature—CCP 218

CCP
Full Year
1 Credit
Gr. 11

This course focuses American literacy and cultural themes, as reflected in a variety of literature including poetry, drama, fiction, and non-fiction texts reflecting major movements in American history. Students will continue to develop skills through vocabulary study, literary analysis, research, and composition. This course develops 21t century skills to prepare students to be active participants in society.

American Studies 816

ACC/CCP

Full Year

2 Credits

Gr. 11

American Studies is an interdisciplinary course that combines historical evidence with an analysis of literature to answer essential questions concerning American culture. Through a variety of activities such as group projects, discussion, oral presentations, simulations, and analysis, students will be given an opportunity to connect the studies of history, literature, art, philosophy, and music. This is a team taught class that meets both 'A' days and 'B' days. This course meets the requirements for both United States History and American Literature courses. Students may contract for accelerated credit.

AP® English Language and Composition 270

AP

Full Year

1 Credit

Gr. 11

The AP English Language and Composition course focuses on the rhetorical analysis of American fiction, poetry, drama, and nonfiction prose. The course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts, and in becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. Students will expand their understanding of how written language functions rhetorically, especially in terms of argumentation and persuasion to communicate writers' intentions and elicit readers' responses in particular situations. Reading and writing activities in the course also deepen students' knowledge and control of formal conventions of written language. ***A strong background in English is required. This course satisfies the American Literature graduation requirement. Prerequisite: Successful completion of ACC World Literature/Studies or departmental approval. Note : Summer preparatory work may be an additional requirement of the course.***

Portfolio Writing 172

ACC/CCP

Half Year

0.5 Credit

Gr. 10-12

Portfolio Writing is a workshop course that focuses on drafting, editing and revising on topics and issues of the students' choice. Students will choose and analyze a variety of fiction and nonfiction books, poems, and articles and create narrative, informative and argumentative writing pieces to be collected in a quarterly portfolio. Additionally, there is a focus on honing time management skills, independent productivity and collaboration. The course will be a heterogeneous mix of students in which students may choose to contract for accelerated credit.

Creative Book Transformation 230

ACC/CCP

Half Year

0.5 Credit

Gr. 10-12

This course will focus on student-selected literature that influences creative writing. Students will choose their own books to analyze and transform into interpretative, creative pieces. Over the course of the semester, students will have an opportunity to create the following forms of writing: literary analyses, perspective/voice pieces, character letters and diary entries, found and original poetry, research based writing, personal narratives, two-voice and pantoum poetry, news articles and broadcasts, compare and contrast analyses, and more. Creative artistic pieces will also be an integral part of the course. The completed pieces of writing and art will be compiled into two long term book transformation projects. Book transformation is a form of altered art that displays personal writings and art interpreting a text. Students may contract for accelerated credit in this course.

Creative Writing I 229

ACC/CCP

Half Year

0.5 Credit

Gr. 11-12

This course is designed for juniors and seniors who want to explore different genres of creative writing at a more intense level than in Freshman English, World Literature and American Literature. Students will read and write poetry, short fiction, and creative nonfiction. Revision and both peer and teacher writing conferences will be important aspects of the course. Students will write and have an option to share original pieces. Students may contract for accelerated credit.

Creative Writing II 231

ACC

Half Year

0.5 Credit

Gr. 11-12

This course is designed for students who have already explored creative writing in a semester of Creative Writing I. In Creative Writing II, students will focus their writing by completing more intense author/genre studies, peer and teacher conferences, workshops with outside writers and attendance at outside readings; all geared towards the goal of creating individual collections.

Expository Writing—ACC 209

ACC

Half Year

0.5 Credit

Gr. 12

Expository Writing is a course in nonfiction writing designed to foster critical and complex thinking. Students will compose a variety of analytical essays in the following genres: personal, definition, compare and contrast, persuasive, and research. Throughout the course, emphasis will be placed on prewriting, revision, and frequent peer and teacher conferences. In addition, the class will read informational texts as a means of exploring writing strategies and of understanding the links between reading and writing. Vocabulary development and grammar and usage will be regular features of this course. This course develops skills at an accelerated pace for students who want experiences that will prepare them for advanced work in a college situation.

Expository Writing—CCP 217

CCP

Half Year

0.5 Credit

Gr. 12

Expository Writing is a course in nonfiction writing designed to foster critical and complex thinking. Students will compose a variety of analytical essays in the following genres: personal, definition, compare and contrast, persuasive, and research. Throughout the course, emphasis will be placed on prewriting, revision, and frequent peer and teacher conferences. In addition, the class will read informational texts as a means of exploring writing strategies and of understanding the links between reading and writing. Vocabulary development and grammar and usage will be regular features of this course.

Gender Issues in Literature 262

ACC

Half Year

0.5 Credit

Gr. 12

In Gender Issues in Literature, students explore the roles, attitudes, and behaviors of men and women throughout the ages as portrayed in literature. Students will make connections between the cultures and traditions of various societies and the impact they have on the relationships of men and women. Selected poetry, non-fiction, informational text, and fiction will serve as prompts for discussion and writing.

Graphic Novel as Literature 268

ACC/CCP

Half Year

0.5 Credit

Gr. 12

The graphic novel is quickly becoming a popular medium of literature and is winning critical acclaim in the literary and academic world. This course will prepare students with the skills to read, critique, and enjoy this mode of literature through choice reading and genre study. Students will explore how fiction and nonfiction work in graphic novels both by reading and creating short comics. Students may contract for accelerated credit.

Journalism 263

ACC/CCP

Full Year

1 Credits

Gr. 11-12

This course provides students with an opportunity to explore the various types of journalism. There will be a focus on print and radio/broadcast journalism with culminating projects in each field. In addition, students will learn about the legal and ethical demands of a reporter. Students will learn to write a variety of newspaper articles, conduct interviews, and learn editing techniques. This course emphasizes the acquisition and application of 21st century skills, as well as media literacy. Students may contract for accelerated credit.

Modern World Literature 260

ACC

Half Year

0.5 Credit

Gr. 12

In this course, students will explore current human rights issues through the lens of philosophy and contemporary literature. They will build a foundation of various modern philosophical movements, examine current human rights infractions in literature and in world events, and explore how modern cultures affect one another. Students will also work on developing college-level analytical reading and writing skills.

The Short Story and Its Writer 255

CCP

Half Year

0.5 Credit

Gr. 12

Students in this course will trace the development of the art of short story writing from the nineteenth century and twentieth century. Students will study a number of authors and literary movements. Writing skills such as character development, construction of plot, point of view, setting, and figurative language, will be developed through analysis and practice. Students will complete analytical, argumentative and research based essay writing. In addition to the texts that are read and the writing that is completed, class discussions, grammar study, and vocabulary study will be integral components of

AP® English Literature and Composition 227

AP

Full Year

1 Credit

Gr. 12

AP Literature and Composition is a humanities course in which we will be examining the literature, art, music and philosophies of our world. In this course, students will read and examine literature from a range of time periods and a range of genres including novels, poetry, drama and short stories. We will be going far beyond plot to identifying the techniques writers use to effectively communicate their complex ideas including examining figurative language, point of view, style, structure of the text and major themes integrated within the text. Students will also complete and revise informal responses and formal critical analysis/argumentative and evaluative essays. The primary goal of this course is to develop students into readers and writers capable of experiencing, interpreting and evaluating great works of literature and of thinking critically about the historical, cultural, psychological and sociological impact of these works. The literature, writing, and projects used in this course are meant to be intellectually stimulating and are often demanding. In order to have an enriching experience, a strong background in English is required. ***Prerequisite: Successful completion of ACC American Literature/Studies, AP Language & composition or departmental approval. Note : Summer preparatory work may be an additional requirement of the course.***

Film Studies—Elective 264

ACC/CCP

Half Year

0.5 Credit

Gr. 10-12

This course will introduce filmmakers and their works which have had significant influence on the medium and the society to which they were presented. Students will watch and critique films, learn about the process of creating a film, and become familiar with the terminology that goes into a production. Students may contract for accelerated credit. ***This course does not fulfill graduation requirements for students in English***.

Public Speaking—Elective 266

ACC/CCP

Half Year

0.5 Credit

Gr. 10-12

Through a focus on strategies and the best practices for public speaking, this course will prepare students to speak and make presentations in front of an audience. The class will provide students opportunities to practice and gain confidence while speaking in a variety of venues. Students will learn how to integrate a speech with visual effects, such as PowerPoint. Students may contract for accelerated credit. ***This course does not fulfill graduation requirements***

Mythology and the Classical World - Elective 344

ACC

Half Year

0.5 Credit

Gr. 9-12

Mythology and the Classical World aims to familiarize students with the stories, daily lives, languages, and cultural beliefs of the people who lived in ancient Rome and Greece. Through literature, arts, archaeology, politics, and philosophy, students will answer the question, "What can we learn by studying these ancient cultures?" We will open the world of gods, gladiators, philosophers, heroes, bards, the Parthenon, the Seven Wonders, the Colosseum, and the emperors. Through response papers and essays, creative projects that put students in the shoes of ancient people, and even learning the basic buildings blocks of Latin and Greek, students will make connections between ancient times and today. ***This course does not fulfill graduation requirements for students in English.***

Family and Consumer Science Department

The Family and Consumer Science Department at Timberlane Regional High School provides students the opportunity to explore areas of foods and nutrition, textiles, and home and family living. Through these areas, students are able to develop their cognitive and creative abilities while also understanding themselves, family and society, and career opportunities available. The Home Technology program helps students grow to become more responsible adults in a rapidly changing society.

Course Descriptions:

Child Development 501

NL
Full Year
1 Credit
Gr. 10-12

This course offers students a practical understanding of child development from conception through the school-age. Content areas include birth, infants, toddlers, pre-school age children, physical, social, and emotional development, the importance of play, teaching with toys, and language development. Emphasis will be placed on the central role parents play during these formative years.

Child Care 503

NL
Full Year
1 Credit
Gr. 11-12

This in-depth course takes child development one step further in understanding how to teach young children through lesson planning into how an early child care center is successfully operated. Students will be in charge of planning two "Bring a Child to School Days" where they will create an educational environment to go along with a meaningful and developmentally appropriate schedule and activities for young children that are visiting for the day. ***Prerequisite: Successful completion of Child Development***

Creative Sewing 505

NL
Half Year
0.5 Credit
Gr. 11-12

Students will put their creativity to work while learning fundamental techniques in sewing and equipment use. Beginners will be steered through projects of their choice such as constructing pillows, togas, sweatpants, and curtains. Machine appliqué, fabric painting, and creative machine stitches will be used to add flair to student projects.

Designing Homes 525

NL
Half Year
0.5 Credit
Gr. 9-12

Home design, a subset of interior designers, are responsible for a residential space's function and decoration. They bring structure and appeal to new homes or rework existing spaces. Students will create home designs with the use of computer-aided design software to create spatial layouts, lighting systems and color schemes. They will select furniture, fabrics and accessories to design functional and aesthetically pleasing spaces.

Contemporary Culinary Arts 515

NL
Half Year
0.5 Credit
Gr. 10-12

After taking this introductory foods course, you will be able to answer the question, "What's cooking?" Topics include buying and storing fresh ingredients, planning delicious meals, understanding the origins of various foods and their composition, plus an understanding of what happens when food is cooked. This course combines practical experience with the basic skills and culinary techniques to teach the fundamentals of food preparation from "soup to nuts." **This course is a prerequisite for Gourmet Foods and Baking and Pastries.**

Gourmet Foods 513

NL
Half Year
0.5 Credit
Gr. 11-12

This course challenges students' creativity while exploring advanced food preparation. A "cook's tour" will find the students learning the art of Chinese and Mexican cooking, discovering how to cook Italian style, and much more. Students will also learn to cook for catered events. ***Prerequisites: Successful completion of Contemporary Culinary Arts***

Baking and Pastries 512

NL
Half Year
0.5 Credit
Gr. 11-12

This course offers an insight into the world of baking. Students will decorate cakes, knead dough, frost cupcakes, and much more. Students will be introduced to the art of candy making and learn to bake for catered events. ***Prerequisite: Successful completion of Contemporary Culinary Arts***

Health and Physical Education Department

The Health and Physical Education programs at Timberlane Regional High School are designed to develop an awareness of the need for improving and maintaining one's total health. Emphasis is placed on the development of healthy attitudes, which will serve the individual throughout his or her life. All students are required to take Health I along with three of the Health and/or Physical Education electives.

Course Descriptions:

Health I 402

CCP
Half Year
0.5 Credit
Gr. 9-12

The Health I course is designed for students to develop the essential health skills necessary to adopt, practice, and maintain health-enhancing behaviors. Students will be taught functional health information related to: Personal Health and Skills, Mental and Emotional Health, First Aid, CPR and AED, Alcohol, Tobacco, and Other Drugs,and Human Sexuality. The goal of this course is to shape personal values and beliefs that support healthy behaviors and lifestyles.

Health II 412

CCP
Half Year
0.5 Credit
Gr. 10-12

The Health 2 course will expand upon skills and knowledge developed in Health I. Students will be required to apply functional knowledge in the classroom and community setting. The skills based units will include topics of: Eating Disorders, Addiction and Recovery, Healthy Relationships, Dating Violence, Environmental Health, and basic fitness concepts. The goal of this course is to help support students develop healthy behavior changes to live a healthier life. ***Prerequisite: Successful completion of Health I.***

Introduction to Physical Education

Grade 9 403
Grade 10-12 405

CCP
Half Year
0.5 Credit

This is an introductory level course that will allow students to engage in a variety of physical activities including team sports, racket and net games, project adventure, as well as, recreational and leisure activities

Introduction to Fitness

Grade 9 414
Grade 10-12 415

CCP
Half Year
0.5 Credit

This is an introductory course that will allow each student to develop the knowledge and skills needed to live an active, healthy lifestyle. The course will include activities to enhance the five components of physical fitness, such as basic weight training techniques, circuit training, walking/jogging programs, yoga, and more. Students will also learn about the core concepts of nutrition and will have an opportunity to participate in goal setting that will impact their overall wellness.

Fitness II 416A

CCP
Half Year
0.5 Credit
Gr. 9-12

This course is geared towards motivated students who want to take their fitness training to the next level. This course will continue the development of skills and knowledge gained in Introduction to Fitness, as well as expose students to new and more advanced topics in training methods. The course will explore methods of strength training, speed and agility training, cardiovascular fitness, and flexibility training ***Prerequisite: Successful completion of Introduction to Fitness and/or Departmental approval.***

Competitive Physical Education 417

CCP
Half Year
0.5 Credit
Gr. 9-12

Students in this course will participate in a variety of team sports and leisure time activities. Emphasis will be on competitive game play rather than specific skill development. ***Prerequisite: Successful completion of Introduction to Physical Education and/or Departmental approval.***

Unified/Adaptive Physical Education and Health 418

CCP
Half Year
0.5 Credit
Gr. 9-12

This course is designed for students who are interested in sharing their knowledge with students who need one-to-one assistance to succeed in a physical education setting. And help them participate in a range of physical activities, as well as provide support to help them understand topics in health education including but not limited to personal advocacy, safety and violence prevention, nutrition, puberty, mental and emotional health. This ~~course~~ is an excellent course for students considering careers in education or in working with the special needs population. ***Prerequisite: Successful completion of Introduction to Physical Education, Health 1 and Departmental approval.***

Studies in Women's Health and Wellness 400

CCP
Half Year
0.5 Credit
Gr. 10-12

The focus of this course is to learn about health issues young women will face in their transition from high school to adulthood. A combination of fitness activities and unique classroom learning experiences will foster self-empowerment for personal health promotion. This course will include topics related to Women's Sexual Health, Safety & Violence Prevention, Career & Leadership Preparation, Consumer Health Information, Common Women's Disease Prevention & Education, and Exercise & Weight Maintenance. ***Prerequisite: Successful completion of Health 1.***

Industrial Technology Department

The Industrial Technology Education Department provides problem-solving instruction and activities of experimenting, designing, constructing, and evaluating through the use of tools, computers, machines, materials, and processes. The applied knowledge and skills acquired through our courses will assist the student in making informed and meaningful school-to-career choices.

Course Descriptions:

Introduction to Industrial Trades 550

NL
Half Year
0.5 Credit
Gr. 9-12

This course is designed to provide students with introductory learning in all fields of industrial arts. Woodworking, Welding/metal working, Automotive, Plumbing, Electrical, Power and Energy, HVAC, Masonry, Construction, CNC/CAD/CAM Hands on experiences as well as industry professionals demonstrating specific activities that are the staple to their industry will be explored by students. Students will have the foundations to enter a vocational program and be able to succeed in that selected trade.

Materials and Manufacturing / Wood Tech I 577

NL
Half Year
0.5 Credit
Gr. 9-12

This course is designed to give students interested in this area a sample of various forms of woodworking. Students will cover basic skills and proper safety in the areas of hand tools, power tools, machines, CNC, woodturning and cabinetry.

Materials and Manufacturing / Wood Tech II 579

NL
Half Year
0.5 Credit
Gr. 10-12

Students will participate in the problem-solving process to construct various advanced projects using CNC technology, and a variety of manufacturing processes. ***Prerequisite: Materials & Manufacturing / Wood Technology I or Departmental approval.***

Materials and Manufacturing / Wood Tech III 580A

ACC
Half Year
0.5 Credit
Gr. 11-12

Advanced students will challenge themselves to create masterful woodworking projects. Students will use their knowledge to benefit the entry level student with one on one interaction. Higher expectation to learn must be used by all advanced students to better improve themselves as craftsman. ***Prerequisite: Materials & Manufacturing / Wood Technology II or Departmental approval.***

Engineering: Industrial Robotics and Manufacturing TBD

CCP
Full Year
1 Credit
Gr. 9 -12

This hands-on course teaches the fundamentals of computerized and robotics manufacturing technology. Students will learn basic solid modeling skills through 3-D computer software to solve design problems and create parts for milling. They will assess their designs through property analysis, modify those designs, and use prototyping equipment to produce actual 3-D models. This course includes computer modeling, computer numerical control (CNC), computer aided design (CAD), computer aided manufacturing (CAM), rapid prototyping, industrial robot programming, flexible manufacturing systems, and lean manufacturing business concepts

Engineering Principles TBD

ACC
Full Year
1 Credit
Gr. 9 -12

This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world problems. Through theory and practical hands-on experience, students will investigate and practice the concepts and skills used by engineers. The course of study includes an overview and perspective of engineering, simple machines and mechanics, statics, robotics, materials and materials testing, thermodynamics, and statistical analysis. ***Prerequisite: successful completion of Algebra I or departmental approval.***

Mathematics Department

In *Math Matters: The Links Between High School Curriculum, College Graduation, and Earnings*, Heather Rose and Julian R. Betts find a strong relationship between taking advanced math courses in high school and earnings ten years after graduation. By its very nature, mathematics lends itself to applications in many different disciplines. A working knowledge of mathematics is a necessity for life. The process of acquiring and utilizing math skills and concepts increase the potential for each student to be successful in any career. All students should consult their mathematics teachers for assistance in determining the sequence of their math courses. The math curriculum is written under the guidance of the Common Core State Standards, which are embedded in the New Hampshire College and Career Ready Standards.

Math Fundamentals

- Math Fundamentals

Algebra One

- Algebra I CCP w/Lab
- Algebra I CCP
- Algebra I ACC

Geometry

- Applied Geometry
- Geometry CCP
- Geometry ACC

Algebra Two

- Algebra II Parts 1 & 2
- Algebra II CCP
- Algebra II ACC

Beyond Algebra Two

- AP Calculus
- AP Statistics
- Calculus ACC
- Finite Math CCP
- Pre-Calculus ACC
- Topics in Mathematics CCP
- Probability, Statistics and Trigonometry ACC & CCP

Course Descriptions:

Math Fundamentals 603

CCP

Full Year

1 Credit

Gr. 9

Math Fundamentals is designed to provide students a solid foundation to students before they pursue the study of Algebra I. In this highly differentiated program, students will review a variety of fundamental, pre-algebraic, and algebraic concepts and skills. Students will also develop their organizational, study, and test-taking skills, as well as the habits of mind and math practices that support success in future math classes. ***Notes: This course is open only to students by recommendation. This course does not fulfill the Algebra I requirement.***

Algebra I—ACC 607

ACC

Full Year

1 Credit

Gr. 9

Algebra I—ACC will move at a fast pace and is designed for students who have strong mathematical skills and excellent study habits. Students will develop problem-solving skills through the use of algebra, functions, relations, and analysis. They will become fluent in algebraic simplification, solving equations, inequalities, and systems, and analyzing and transforming both linear and non-linear functions. Models, tables, equations, and graphs will form a basis for interpreting and analyzing data. Students will be expected to effectively communicate their processes both orally and in writing, to critique the reasoning of others, and to solve open-ended and non-routine problems. This course solidifies the foundation for all future math courses.

Algebra I—CCP 609

CCP
Full Year
1 Credit
Gr. 9

Students in Algebra I—CCP will develop problem-solving skills through the use of algebra, functions, relations, and analysis. Students will become fluent in algebraic simplification, solving equations, inequalities, and systems, and analyzing and transforming both linear and non-linear functions. Models, tables, equations, and graphs will form a basis for interpreting and analyzing data. Students will be expected to effectively communicate their processes both orally and in writing and to critique the reasoning of others. This course solidifies the foundation for all future math courses.

Algebra Lab 610

NL
Full Year
1 Credit
Gr. 9

This course will run concurrent with Algebra I—CCP classes. Students are assigned to the Algebra Lab based upon teacher recommendations. This Lab course is aligned conceptually and chronologically to the Algebra I—CCP course and provides students with the extra instruction and practice needed to be successful in Algebra I. ***Note: This course does not fulfill graduation requirements for students in mathematics.***

Geometry—ACC 613

ACC
Full Year
1 Credit
Gr. 9-10

Geometry—ACC is a rigorous course that involves students in a comprehensive study of geometric figures and relationships. Many aspects of geometry are included: theory and application; informal and formal reasoning; symbolic and visual thinking; synthetic, coordinate and transformational methods. Students will form conjectures, which are justified by logical reasoning (proof), with students gradually learning the necessary skills to produce convincing arguments. ***Prerequisite: Eighth grade team placement for students entering ninth grade. Successful completion of Algebra I.***

Geometry—CCP 615

CCP
Full Year
1 Credit
Gr. 10-12

Geometry—CCP engages students in the study of geometric figures and relationships. It integrates algebraic skills with the study of shape, size, congruence, similarity, ratio, and proportion and deals primarily with plane figures. Students will use theory and application, informal and formal reasoning, symbolic and visual thinking, as well as synthetic, coordinate and transformational methods. Inductive and deductive reasoning will be incorporated for students to experience the logical reasoning process and presentation of sound arguments. ***Prerequisite: Successful completion of Algebra I.***

Applied Geometry 616

CCP
Full Year
1 Credit
Gr. 10-12

This course is designed to support students who have had difficulty with the Algebra I concepts. Applied Geometry will engage and challenge students with all the topics presented in a traditional geometry program. These topics include angle and segment measurement, triangles, quadrilaterals, congruency, parallelism, similarity, circles, and an introduction to trigonometry. The program is designed to appeal to all learners with topics introduced by using hands-on activities that reflect real-life applications. Technological tools and Internet-based resources will be an integral part of classroom activities. ***Prerequisite: Successful completion of Algebra I.***

Algebra II—ACC 619

ACC
Full Year
1 Credit
Gr. 10-12

Algebra II—ACC is a rigorous, in depth course in the study of functions and applications that model real life situations. Students will refine skills from Algebra I to develop a deeper understanding of the axiomatic system with emphasis on the concepts of sets, functions, graphical representations, and problem solving. ***Prerequisites: Successful completion of Algebra I and Geometry.***

Algebra II—CCP 621

CCP
Full Year
1 Credit
Gr. 10-12

Algebra II—CCP is the study of functions and applications that model real life situations. Students will review and refine skills from Algebra I to develop and improve their understanding of sets, functions, graphical representations, and problem solving. ***Prerequisites: Successful completion of Algebra I and Geometry.***

Algebra II—Part 1 623

CCP
Full Year
1 Credit
Gr. 11-12

This course provides the student with the basic algebra manipulation skills needed to compute solutions. The algebra topics offered are signed numbers, polynomial operations, solutions of linear equations and inequalities involving numerical and literal terms, factoring polynomials, word problems, formula manipulation, graphing linear equations, systems of linear equations and equations by factoring or the quadratic formula as well as quadratic equations and exponential functions. ***Prerequisites: Successful completion of Algebra I and Geometry.***

Algebra II—Part 2 624

CCP
Full Year
1 Credit
Gr. 11-12

This full-year course is designed to follow Algebra II—Part 1. Students complete their study of Algebra II, including exponential, logarithmic, power, and periodic functions. Students will improve their understanding of sets, functions, graphical representations, and problem-solving. ***Prerequisite: Successful completion of Algebra II Part 1.***

Probability, Statistics and Trigonometry 642

ACC
Full Year
1 Credit
Gr. 11-12

ACC is a rigorous, in-depth course in the study of advanced algebra topics that model real life situations. Students will review and refine skills from Algebra II to develop and improve their understanding of the world around them. The topics covered include Trigonometry, Probability, Statistics, Sequences and Series, Matrices and Logic Theory. This course is designed to prepare students for PreCalculus and/or college math. **Prerequisite: Successful completion of Algebra II and Teacher Recommendation**

Probability, Statistics and Trigonometry 641

CCP
Full year
1 Credit
Gr. 11-12

CCP is the continuing study of algebra topics that model real life situations. Students will review and refine skills from Algebra II to develop and improve their understanding of the world around them. The topics covered include Trigonometry, Probability, Statistics, Sequences and Series, Matrices and Logic Theory. **Prerequisite: Successful completion of Algebra II**

Finite Mathematics 639

CCP
Full Year
1 Credit
Gr. 11-12

Finite Mathematics provides a survey of mathematical analysis techniques used in the working world. Students will gain valuable experience organizing and analyzing information, with an emphasis on using math to solve real-world problems. Areas of study include matrices, linear programming, combinatorics, probability, statistics, logic, and finance. This course will include significant use of the graphing calculator, which is required for this course (TI-84 calculator is recommended). ***Prerequisite: Successful completion of Algebra II or Departmental approval.***

Topics in Mathematics 604

CCP
Full Year
1 Credit
Gr. 11-12

In today's society, individuals need both knowledge and mathematical skills in order to make informed decisions. In this course, students will study topics regarding financial literacy, such as personal finance, purchasing, and investment; statistics, such as professional athletics and voting; and workplace, such as construction and budgeting. Students will develop and apply the math skills needed to successfully navigate these topics in the real world. ***Prerequisite: Successful completion of Algebra II part 1 or Departmental approval.***

Pre-Calculus 629

ACC
Full Year
1 Credit
Gr. 11-12

Pre-Calculus is a course that extends and integrates the learning from both Geometry and Algebra 2 courses. It provides an in-depth, rigorous study of functions and their properties. Functions to investigate include Linear, Quadratic, Polynomial, Rational, Radical, Piece-wise, Exponential, Logarithmic, and Trigonometric. Representations and analysis of these topics will occur numerically, algebraically, and/or graphically (both with & without technology). Additional topics to be covered as time permits include Vectors, Law of Sines & Cosines, Polar Coordinate System, Parametric Equations, Analytic Geometry, and Sequences & Series. ***Prerequisite: Successful completion of Algebra II ACC or Departmental approval.***

Calculus 640

ACC
Full Year
1 Credit
Gr. 12

Topics to be studied include limits of functions, the derivative, and definite and indefinite integrals. Applications of the derivative and integral will be emphasized. This course will include frequent use of the graphing calculator, which is required for this course (TI-84 calculator is recommended). ***Prerequisite: Successful completion of Pre-Calculus or Departmental approval.***

For more information on dual enrollment opportunities, please see pg. 10

AP® Calculus 633

AP

Full Year

1 Credit

Gr. 12

Topics discussed will include limits and continuity, the derivative and definite integral with applications of both concepts, transcendental functions, techniques of integration and factors. A packet of summer review work will be required. The course will include significant use of the graphing calculator as aligned with the expectations of the College Board for the Advanced Placement Exam. Students may receive college credit for this course by successfully passing the AP Exam in May (a course expectation). Summer work is required. ***Prerequisite: Successful completion of Pre-Calculus or Departmental approval.***

AP® Statistics 636

AP

Full Year

1 Credit

Gr. 12

AP Statistics immerses students with the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will frequently work on projects involving the hands-on gathering and analysis of real world data. Ideas and computations presented in this course have immediate links and connections with actual events, experiments and research. Computers and calculators will assist students in their deepened work on the concepts involved in statistics. Students may receive college credit for this course by successfully passing the AP Exam in May (a course expectation). Summer work is required. ***Prerequisite: Completion of Algebra II Accelerated with a final grade of B or higher, or completion of introduction to Probability, Statistics and Trigonometry with a final grade of B or higher, or Department Approval.***

Music Department

The curriculum of the Timberlane Regional High School Music Department is built on the philosophy of providing a comprehensive program for the involvement of persons of all ages in learning music. Our goal is to build a vital musical culture and an enlightened musical public. The curriculum is designed to provide a program of study that correlates performing, creating, and listening to music, and encompasses a diversity of musical behaviors. It is designed to advance the teaching of music of all periods, styles, forms, and cultures. The curriculum offered provides the opportunity for every student at Timberlane, no matter what his/her musical background, to select an offering at his/her particular level of musical knowledge.

Course Descriptions:

Band 057

NL
Full Year
1 Credit
Gr. 9-12

Instrumental Performing Arts Band consists of three families of instruments: woodwinds, brass, and percussion. The ensemble is divided into numerous groups throughout the year such as: marching band, concert band, small ensembles, and soloists. The band performs at all football games, two major concerts, competitions, major trips, and parades. Students in all groups are expected to be at all rehearsals and performances and be willing to give additional independent practice at home. ***Prerequisite: Director's approval.***

Orchestra 058

NL
Full Year
1 Credit
Gr. 9-12

Instrumental Performing Arts Orchestra prepares string orchestra as well as full orchestra repertoire. The string orchestra instrumentation consists of students performing violin, viola, cello or bass violin and piano only. Winds, brass, and percussion are drawn from the I.P.A. Band when full orchestra works are prepared. The orchestra participates in all school concerts, large group competition, and all major trips. Students are expected to be at all rehearsals and performances and be willing to give additional independent practice at home. ***Prerequisite: Director's approval.***

Concert Choir 055

NL
Full Year
1 Credit
Gr. 9-12

The Concert Choir is offered to all students. Students in Concert Choir must accept the responsibility that comes with participation in a large musical ensemble. Through the performance of various genres and musical periods of musical repertoire, students will learn to appreciate the aesthetic value of singing choral music. The Concert Choir will perform three major school concerts, along with competitions such as New Hampshire Music Educators Large Group Festival, and at school/community functions where student participation is part of the course requirements. ***Prerequisite: Director's***

Jazz Band—ACC 061

ACC
Full Year
1 Credit
Gr. 9-12

Jazz Band students are selected by the Band Director in April. Every student wishing to be in Jazz Band should express this to the Band Director by March 1 of the year previous in which the course will be taken. Students chosen for Jazz band are selected on their musical abilities in band, with the exception of those wishing to play electric guitar, piano, and electric bass. Students who play the latter instruments mentioned should see the Band Director immediately to arrange for an audition. Jazz Band will perform jazz concerts, assemblies, competitions, trips when applicable, and other activities where Jazz Band would be suitable. ***Prerequisite: Director's approval.***

Survey of Music 051

CCP
Half Year
0.5 Credit
Gr. 9-12

Music is all around us. There are not many moments in any given day when we are not influenced by music, yet the understanding of music is a mystery that only a select few seem to understand. This should not be true. Music is enjoyable and meant for all. This course will consist of the study of electronic music, listening, theory, history, hands-on experiences with instruments, the human voice, and acoustics of music. Through this course, all will gain a greater understanding of music and be more discriminating listeners in the future.

Theory I 063

ACC
Half Year
0.5 Credit
Gr. 9-12

Students will study the fundamental elements of music; melodic, rhythmic, and harmonic, through hearing, playing, and the writing of material. Development of sight singing, and aural training in scales, intervals, and rhythmic patterns will be taught. ***Prerequisite: Instructor's approval.***

Theory II 065

ACC
Half Year
0.5 Credit
Gr. 9-12

In addition to the materials discussed in Theory I, the students will have individual projects in the areas of arranging and orchestration. Theory II is a continuation of Theory I, which is a prerequisite for this course. ***Prerequisite: Successful completion of Theory I.***

Chamber Orchestra TBD

ACC
Full Year
1 Credit
Gr. 10-12

Chamber Orchestra students will be selected by the Orchestra Director in September. Every student wishing to be in the Chamber Orchestra should express this to the Orchestra Director by March 1, of the previous year. Students chosen for the Chamber Orchestra will perform in all concerts, assemblies, competitions and trips where applicable and other activities where the Select Ensemble would be suitable. **Prerequisite: Director's approval.**

Guitar I 067

CCP
Half Year
0.5 Credit
Gr. 9-12

Students will explore the fundamental skills of playing acoustic guitar through several different playing styles. Topics covered include strumming open chords, reading sheet music and guitar tablature, playing famous guitar riffs and songs from genres including rock, pop, folk, indie, and beyond. Students enrolled in this course will only be using acoustic guitars. Students are encouraged to use their own acoustic guitars.

Guitar II 069

CCP
Half Year
0.5 Credit
Gr. 9-12

This course is a continuation of Guitar I. Students will study intermediate skills including fingerpicking, barre chords, extended harmonies, picking techniques, playing solos, reading sheet music in other positions on the guitar neck, and classical techniques. Students enrolled in this course will only be using acoustic guitars. Students are encouraged to use their own guitars. **Prerequisite: Successful completion of Guitar I or Director's approval.**

Guitar Orchestra 070

NL
Full Year
1 Credit
Gr. 9-12

Guitar Orchestra prepares guitar students in popular and classical music literature. Guitar Orchestra will consist of acoustic guitars only and will be supplemented by opportunities to perform on bass and baritone guitars. The Guitar Orchestra will participate in three annual school concerts. **Prerequisite: Successful completion of Guitar II or Director's approval.**

Chamber Ensemble 056

ACC
Full Year
1 Credit
Gr. 10-12

Chamber Singers students will be selected by the Chorus Director in September. Every student wishing to be in the Chamber Singers should express this to the Chorus Director by March 1, of the previous year. Students chosen for the Chamber Singers will perform in all concerts, assemblies, competitions and trips where applicable and other activities where the Select Ensemble would be suitable. ***Prerequisite: Director's approval***.

Science Department

In planning a course of study in science, each student should consider graduation requirements, educational and career goals, and individual interests. The Timberlane Science Department offers core courses in physical and life sciences and half-year electives in life and earth sciences to support the needs, goals, and interests of Timberlane students. Using laboratory and fieldwork to support classroom instruction and discussion each course develops an appreciation for the nature of science and critical skills for scientific thought, conceptual understanding, experimentation, data acquisition, analysis skills, and facility in communicating experimental results. Courses are offered at College & Career Prep., Accelerated, and Advanced Placement levels to accommodate individual differences in learning style and goals. Students contemplating Accelerated level courses should ensure that they elect a mathematics program of equal rigor. Students and their parents are encouraged to discuss their programs with faculty members early in their careers. The Science Curriculum is written in adherence with the New Hampshire Department of Education Curriculum Frameworks for Science.

Course Descriptions:

Physical Science—ACC 705

ACC
Full Year
1 Credit
Gr. 9

Physical Science—ACC provides a comprehensive introduction to the foundational concepts of physics and chemistry and serves as a prerequisite for other science courses. Students are expected to work independently on rigorous problem-solving challenges that apply physical science concepts.

Physical Science—CCP 707

CCP
Full Year
1 Credit
Gr. 9

The purpose of this course is to provide a comprehensive introduction to the foundational concepts of physics and chemistry. This course is designed to serve as a prerequisite for other science courses.

Applied Physical Science– CCP 708

CCP
Full Year
1 Credit
Gr. 9, 11, 12

This course meets the physical science requirement in a way to support students through hands-on activities, and explicit differentiation for their needs. ***Prerequisite: Departmental and School Counselor approval required.***

Physical Science/Biology (Integrated)—ACC 710

ACC
Full Year
2 Credits
Gr. 9

This is a year-long set of integrated course that specifically sequences physical science (fundamentals of physics and chemistry) and biology to maximize the learning concepts within both course. This course meets both 'A' days and 'B' days. Physical science is examined in detail in the fall and biology in the spring, with strategic overlap between the two sciences as the year progresses. The nature of science, inquiry based lab techniques, modeling, lab notebook writing, and formal lab report writing skills are emphasized. This course is recommended for students with strong science and mathematics skills that plan to pursue science at the upper levels ***Prerequisites: Science and Algebra I grades of a B or better with a recommendation from the Middle School or Departmental approval for students who are concurrently enrolled in Algebra I—ACC.***

Level One
- Physical Science

Level Two
- Biology

Level Three
Required for Scholastic Diploma
- Chemistry
- Physics

Level Three and Four

0.5 Credit Electives
- Anatomy and Physiology CPP
- Environmental Science
- Meteorology
- Forensics
- Investigation in Space Science

1 Credit Electives
- Anatomy and Physiology ACC
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics I
- AP Physics II

Biology—ACC 709

ACC

Full Year

1 Credit

Gr. 9-12

Biology—ACC is an intensive laboratory-based course studying characteristics of life, cell structure and function, cell reproduction, DNA as the hereditary material, principles of genetics, evolution, a survey of the kingdoms of life, the classification of life diversity and ecology. Students will be expected to partake in independent projects, written work, class work, class discussions and independent student centered laboratory activities. Students taking this course are expected to carry out more independent work both in and out of the classroom.

Biology—CCP 711

CCP

Full Year

1 Credit

Gr. 10-12

Biology—CCP is a laboratory-based course studying characteristics of life, cell structure and function, cell reproduction, DNA as the hereditary material, principles of genetics, evolution, a survey of the kingdoms of life, the classification of life's diversity and ecology. Students will be expected to partake in projects, class work and laboratory activities.

Applied Biology—CCP 713

CCP

Full Year

1 Credit

Gr. 10-12

Applied Biology is a laboratory-based course studying characteristics of life, cell structure and function, cell reproduction, DNA as the hereditary material, principles of genetics, evolution, a survey of the kingdoms of life, the classification of life's diversity and ecology. Students will be expected to partake in projects, classwork, and laboratory activities. This course is designed to support students through hands-on activities, and explicit differentiation for their needs. ***Prerequisite: Departmental and School Counselor approval required.***

Chemistry—ACC 727

ACC

Full Year

1 Credit

Gr. 10-12

Chemistry—ACC includes the study of the nature of matter, energy, chemical change, stoichiometry, periodicity, atomic structure, behavior of gases, liquids and solids, chemical bonding, acids and bases, thermo dynamics, kinetics, electrochemistry, and equilibrium. Data acquisition and analysis skills are emphasized through laboratory work. Algebra is extensively used for Problem solving. Completion of/or concurrent registration in Algebra II is recommended.

Chemistry—CCP 729

CCP

Full Year

1 Credit

Gr. 10-12

Chemistry—CCP is a laboratory-based course dealing with the study of matter, atomic structure, formula and equation writing, chemical reactions, states of matter, gas laws, chemical bonding, acids, bases and pH, equilibrium and environmental chemistry. Algebra is extensively used for problem-solving.

Physics/Chemistry (Integrated)—ACC 730

ACC

Full Year

2 Credits

Gr. 10-12

This is a year-long set of integrated courses that sequences physics and chemistry to maximize learning concepts within both courses. This course meets both 'A' days and 'B' days. Physics is examined in detail in the fall and chemistry in the spring with strategic overlap between the two courses as we progress through the year. This course is recommended for students with strong science and mathematical skills. Algebra is extensively used for problem-solving. ***Prerequisite: Successful completion of/or concurrent registration in Algebra II or Departmental approval.***

Physics—ACC 731

ACC

Full Year

1 Credit

Gr. 10-12

This intensive course is designed for students preparing for a mathematical, scientific or engineering profession. This course incorporates both theory and laboratory work in the following topics: mechanics, electricity, wave motion, atomic physics, and modern physical theories. Data acquisition and analysis skills are emphasized through laboratory work. Algebra is extensively used for problem-solving. Completion of/or concurrent registration in Algebra II is recommended.

Physics—CCP 733

CCP

Full Year

1 Credit

Gr. 10-12

Physics—CCP is intended to provide students with a comprehensive study involving theory and laboratory work in the following topics: mechanics, dynamics, circular motion, electricity and modern physical theories. Algebra is extensively used for problem-solving.

Environmental Science—ACC 722

ACC
Half Year
0.5 Credit
Gr. 10-12

This course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students will take part in ecological field work, perform laboratory investigations, and undertake independent research. ***Prerequisite: Successful completion of Physical Science and Biology or Departmental approval.***

Environmental Science—CCP 721

CCP
Half Year
0.5 Credit
Gr. 10-12

This course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students will take part in outdoor laboratory experiences and gain hands-on experience in environmentally related topics. ***Prerequisite: Successful completion of Physical Science and Biology or Departmental approval.***

Forensics—CCP 724

CCP
Half Year
0.5 Credit
Gr. 11-12

Forensic Science is an elective science course designed for students interested in the science used to solve crimes. The many different types of evidence found at crime scenes will be studied and students will learn methods to collect them safely. Modern technology will be examined to discover how it has made forensic work easier and more reliable over the years. Through hands-on experiments and crime-scene analysis, students will look to use what has been learned to solve "real" crimes. This course will cover many different aspects of science including chemistry, physics, and biotechnology. P**rerequisite:** ***Successful completion of Physical Science and Biology or Departmental approval.***

Human Anatomy and Physiology—ACC 715

ACC
Full Year
1 Credit
Gr. 10-12

This course offers a systematic exploration of the major systems of the human body, including structure (anatomy) and function (physiology). Using microscopes to view cells and tissues and anatomical models to study organs and organ systems, students collaborate in small groups as well as work independently to better comprehend human structure and function. A combination of teacher presentations, lab activities and online resources are used to learn about the integumentary, skeletal, muscular, digestive, respiratory, cardiovascular, excretory, reproductive and other body systems. There is an expectation that students will demonstrate a high level of individual preparation and independent study. ***Prerequisite: Successful completion of Biology—ACC.***

Human Anatomy and Physiology—CCP 717

CCP
Half Year
0.5 Credit
Gr. 10-12

This course offers a systematic exploration of the major systems of the human body, including structure (anatomy) and function (physiology). Using microscopes to view cells and tissues and anatomical models to study organs and organ systems, students collaborate in small groups as well as work independently to better comprehend human structure and function. A combination of teacher presentations, lab activities and online resources are used to learn about the integumentary, skeletal, muscular, digestive, respiratory, cardiovascular, excretory, reproductive and other body systems. Discussion related to concepts and key understanding of topics will be initiated and reviewed in class. ***Prerequisite: Successful completion of Biology or Departmental approval.***

Introduction to Meteorology 723

CCP
Half Year
0.5 Credit
Gr. 10-12

This course provides a survey of weather study including topics such as history of weather observations, atmospheric structure and composition, earth-sun relationships, air pressure and winds, cloud formation, air masses and resulting precipitation. Weather phenomena, such as hurricanes and tornadoes are investigated and the study of climates is introduced.

Investigations in Space Science 745

ACC
Half Year
0.5 Credit
Gr. 11-12

This half year elective will focus on student interests in many aspects of space science. Students will be investigating current research, laws, and theories about the Universe and beyond. Topics also may include specific aspects of our solar system and man's travel and research within. Students will be expected to participate in class discussions, projects, presentations and traditional labs, quizzes, tests and research assignments. ***Prerequisites: Successful completion of Physical Science, Biology and Physics or Departmental approval.***

AP® Biology 737

AP

Full Year

1 Credit

Gr. 11-12

The goal of this course is to offer ambitious students the challenge of a college level general biology course. Students are challenged in the areas of biochemistry, cell structure and function, genetics, evolution, and ecology presented in detail as they continue to develop science practices and big ideas. Since classroom time is limited, independent study and supplemental reading are required. Students who select the course are required to take the AP exam in May. ***Prerequisite: Grade of 'B' or better in Biology-ACC and Chemistry-ACC or Department approval. Note: Summer preparatory work may***

AP® Chemistry (SNHU Dual Enrollment opportunity) 735

AP

Full Year

1 Credit

Gr. 11-12

The purpose of this course is to offer ambitious students the challenge of a college level Chemistry program. The course follows the recommendations of the College Board and includes selected enrichment topics. The content is advanced and strong mathematical skills are needed. Since classroom time is limited, independent study and supplemental reading are required. Students who select the course are required to take the AP exam in May. ***Prerequisites: Successful completion of Physical Science, Biology, Chemistry and Algebra II, or Departmental approval. Note : Summer preparatory work may be an additional requirement of the course.***

AP® Environmental Science (SNHU Dual Enrollment opportunity) 742

AP

Full Year

1 Credit

Gr. 11-12

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human- made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. Students who select the course are required to take the AP exam in May. ***Prerequisites: Grade of 'B' or better in Biology—ACC and Chemistry—ACC or Departmental approval. Note : Summer preparatory work may be an additional requirement of the course.***

AP® Physics I (SNHU Dual Enrollment opportunity) 734

AP

Full Year

1 Credit

Gr. 11-12

The course offers ambitious students the opportunity to do college level work in physics without the prior knowledge of calculus. The course follows the recommendations of the College Board, and includes selected enrichment topics in classical physics. The objectives of the course are to understand the basic principles and apply these principles in solving problems. General areas to be covered include: Newtonian mechanics, rotational motion, work, energy, power, mechanical waves, sound, electrostatics, and introductory DC circuits. Since classroom time is limited, independent study and supplemental reading are required. Students who select the course are required to take the AP exam in May. ***Prerequisite: Successful completion of Algebra II and Departmental approval. Note : Summer preparatory work may be an additional requirement of the course.***

AP® Physics II (SNHU Dual Enrollment opportunity) 734A

AP

Full Year

1 Credit

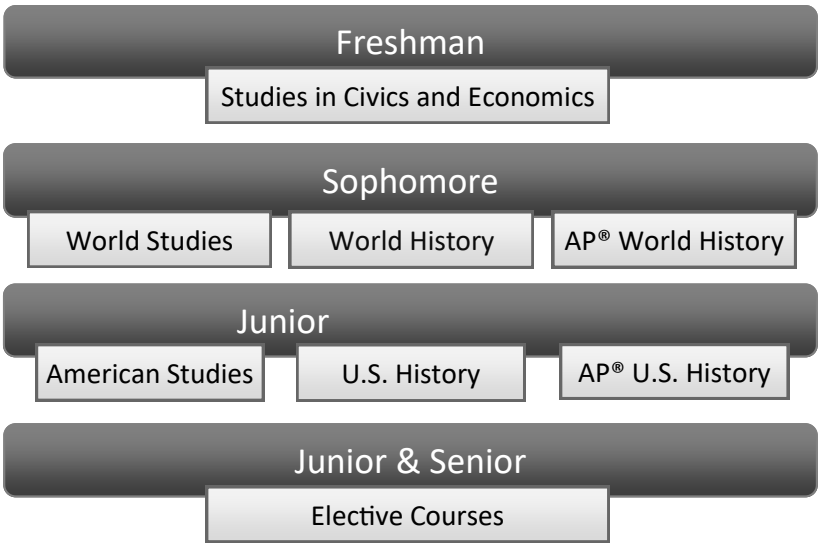
Gr. 11-12

The course offers ambitious students the opportunity to do college level work in physics without the prior knowledge of calculus. The course follows the recommendations of the College Board, and includes selected enrichment topics in classical and modern physics. The objectives of the course are to understand the basic principles and apply these principles in solving problems. General areas to be covered include: Thermodynamics, heat, kinetic theory, fluids, electrostatics, DC circuits, steady-state RC circuits, magnetism, induction, optics, quantum physics, and nuclear physics. Since classroom time is limited, independent study and supplemental reading are required. Students who select the course are required to take the AP exam in May. ***Prerequisite: Successful completion of AP Physics I, Pre-Calculus, and Departmental approval. Note : Summer preparatory work may be an additional requirement of the course.***

For more information on dual enrollment opportunities, please see pg. 10.

Social Studies Department

The mission of the Social Studies curriculum is to provide opportunities for students to develop a global perspective, foster democratic ideals, and understand economic theories. These opportunities will help students understand and appreciate their physical, multi-cultural world so that they may become enlightened and active citizens. The Timberlane graduate will be able to connect the knowledge obtained to personal experience and will apply these to issues in the ever-changing world. The Social Studies Curriculum is written in adherence to the New Hampshire Department of Education Curriculum Frameworks for Social Studies.



Course Descriptions:

Studies in Civics and Economics—ACC 803A

ACC

Full Year

1 Credit

Gr. 9

This is a full year integrated course that focuses on the connections between civics and economics at the local, state, national, and international levels. Students will study the reach and limits of power between state and federal governments. In addition, they will analyze the effectiveness and impact of economic and governmental decision making on citizens and markets. The course provides opportunities for students to examine how laws are used or challenged to address issues. Topic studied will include the relationship between federal and state governments with respect to citizens' rights, distribution of taxes, national defense, ensuring states' rights, and government sponsored programs. The course will examine the role that United States government plays in the national economy, international trade and global affairs. This course develops skills at an accelerated pace for students who want experiences that will prepare them for advanced work.

Studies in Civics and Economics—CCP 804C

CCP

Full Year

1 Credit

Gr. 9

This is a full year integrated course that focuses on the connections between civics and economics at the local, state, national, and international levels. Students will study the reach and limits of power between state and federal governments. In addition, they will analyze the effectiveness and impact of economic and governmental decision making on citizens and markets. The course provides opportunities for students to examine how laws are used or challenged to address issues. Topic studied will include the relationship between federal and state governments with respect to citizens' rights, distribution of taxes, national defense, ensuring states' rights, and government sponsored programs. The course will examine the role that United States government plays in the national economy, international trade and global affairs.

World History—ACC 806

ACC

Full Year

1 Credit

Gr. 10

World History—ACC builds upon the learning from the middle school curriculum and begins with a study of the Renaissance, moving into the Enlightenment, Age of Exploration and eventually into the 21th Century. This course includes units relating to events in Europe, Asia, Africa and the Americas. Students are asked to write extensively, using classroom learning, to interpret historical events. Analysis of primary sources, Internet and library-based research, field trips, readings from the text and other sources, film analysis, and classroom discussions are all possible learning techniques. Research-based presentations will be employed.

World History—CCP 811

CCP

Full Year

1 Credit

Gr. 10

World History—CCP builds upon the learning from the middle school curriculum and begins with a study of the Renaissance, moving into the Enlightenment, Age of Exploration and eventually into the 21th Century. This course includes units relating to events in Europe, Asia, Africa and the Americas. Students will be asked to use their classroom learning to interpret historical events. Analysis of primary sources, Internet and library-based research, field trips, reading from the text and other sources, film analysis and classroom discussions are all possible learning techniques.

World Studies 808

ACC/CCP

Full Year

2 Credits

Gr. 10

World Studies is an interdisciplinary course that combines history and literature. This course emphasizes the intricate thematic connections between history and the literature of historical periods. Analysis of historical sources and documents coupled with analysis of literature will be the main focus through writing and team-based projects. In addition to the study of history and literature, students will examine art, music, and philosophy related to the central themes studied in this course. This is a team-taught course that meets both 'A' days and 'B' days. It fulfills the graduation requirements for World History and World Literature. Students may contract for accelerated credit.

AP® World History 821

AP

Full Year

1 Credit

Gr. 10-12

All AP courses are college-level courses and students should be prepared for that level of rigor. Building upon the learning from the standard World History courses, the AP World History course develops greater understanding of the evolution of the global process and intercultural contact. This is achieved through a combination of selected factual knowledge and development of appropriate analytical skills. It emphasizes relevant factual knowledge used in conjunction with leading interpretive issues and types of historical evidence. Students may receive college credit for this course by taking the World History Advanced Placement Exam, which is an expectation. ***Note: Summer preparatory work is a required part of the course.***

United States History—ACC 807

ACC

Full Year

1 Credit

Gr. 11

United States History—ACC builds upon the learning from the middle school curriculum and begins with a study of the end of the Civil War. This course takes an in-depth look at the events of the last part of the 19th Century, all of the 20th Century, and uses that learning to analyze the events of the first decade of the 21st Century. Students will be asked to join in classroom discussions, read texts and other materials outside of class, think creatively, present learning to the class, and write extensively. The process of researching and writing a college-style term paper will be included in the course.

United States History—CCP 809

CCP

Full Year

1 Credit

Gr. 11

United States History—CCP builds upon the learning from the middle school curriculum and begins with a study of the end of the Civil War. This course takes an in-depth look at the events of the last part of the 19th Century, all of the 20th Century, and uses that learning to analyze the events of the first decade of the 21st Century. Students will be asked to join in classroom discussion, read outside of class, think creatively and write about their learning. A particular emphasis will be placed on the process of researching and writing a long-form paper.

American Studies 816

ACC/CCP

Full Year

2 Credits

Gr. 11

American Studies is an interdisciplinary course that combines historical evidence with an analysis of literature to answer essential questions concerning American culture. Through a variety of activities such as group projects, discussion, oral presentations, simulations, and analysis, students will be given an opportunity to connect the studies of history, literature, art, philosophy, and music. This is a team-taught course that meets both 'A' days and 'B' days.. This course meets the requirements for both United States History and American Literature courses. Students may contract for accelerated credit.

AP® United States History 819

AP

Full Year

1 Credit

Gr. 11-12

All AP courses have a level of rigor commensurate with a college-level course. Advanced Placement United States History is a chronological study of American History from Columbus to Clinton. The course emphasizes critical thinking, independent reading, research and extensive writing in the style of the AP exam. Should students achieve a score of 3, 4 or 5 on the Advance Placement exam (taking the exam is an expectation) they may receive a college credit. ***Note: Summer preparatory work is an additional requirement of the course.***

American Values in Film and Music * 841

ACC/CCP

Half Year

0.5 Credit

Gr. 11-12

Course will be offered in odd starting school years

This course used film and music to examine traditional and contemporary American values and ethical issues. Students will be able to explain how American values are represented in mass media and how they are perceived by outside sources. Personal traits of courage, love, family and integrity, in addition to social issues of racism, morality, freedom of religion, altruism and social justice will be explored. Because movies and television are filled with historical inaccuracies, the purpose of the course will not be to teach history but to use film and popular music as a vehicle for the students to examine and analyze society and themselves. Students may contract for accelerated credit.

Behavioral Psychology 840

ACC

Half Year

0.5 Credit

Gr. 10-12

Behavioral psychology is an accelerated semester long course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. Students also learn about the ethics and methods psychologists use in their science and practice. The course will include extensive reading, weekly writing assignments, lab work, and in-depth classroom discussions.

Constitutional Law * 832

ACC

Half Year

0.5 Credit

Gr. 11-12

Course will be offered in even starting school years

Constitutional Law is a study of the courts in the American political system. The focus of the course is on one of the most vital aspects of politics; interpreting and applying the nation's fundamental rules. The case method is used to analyze constitutional topics including: governmental power, race and gender discrimination, equal protection of the law, rights of the accused, modern constitutional theories, the right to privacy, as well as the First Amendment rights of freedom of speech, press, expression and religion.

Current Issues 843

CCP

Half Year

0.5 Credit

Gr. 10-12

This course will provide the students with a perspective of events and trends in the world as well as a contemporary view of history in the making. The development of communication, critical-thinking, decision-making, research and geography skills will center around strong student interaction. General topics include political, economic, and social trends, the environment, crime and international relations, and current world events.

History of Sports 833

ACC/CCP

Half Year

0.5 Credit

Gr. 10-12

In this class students will gain knowledge about the historical origins and development of various sports in America as well as worldwide major political, social, cultural, economic, and intellectual concepts throughout the chronological history of sports. Students will understand why and how sports have become a popular cultural phenomenon. They will examine the historical context as well as the significance of gender, race, ethnicity and social class. Students will begin to recognize the influence that commercialization has within the sports world. This historical investigation will be done through readings, primary sources, audio and visual materials, research based individual and collaborative based projects, as well as class discussion.

Law 831

CCP

Half Year

0.5 Credit

Gr. 10-12

This course studies the law from a practical, everyday viewpoint**.** Students will gain an understanding of their legal rights and responsibilities, knowledge of real life legal problems and the ability to analyze, evaluate, and in some cases, resolve legal disputes. The course will address general problems in the area of criminal, consumer, family, housing and individual rights law. Law will emphasize the application of New Hampshire State Law as well as law practiced throughout the United States.

Cultural Geography * 823

CCP

Half Year

0.5 Credit

Gr. 10-12

Course will be offered in even starting school years

This course deals with the interconnectivity of culture, politics, economics, religion, and human perception and regionalization. Students will recognize that places and regions serve as symbols for individuals and societies. Students will distinguish how cultural traits shape the characteristics of a region, analyze the increasing interdependence of the world's countries, and demonstrate how cooperation and conflict are involved in shaping the distribution of social, political, and economic spaces on Earth. Students will also explain the results of globalization and how changes in the physical environment can diminish its capacity to support human activity.

Popular Culture 834

ACC/CCP

Half Year

0.5 Credit

Gr. 10-12

This course provides an upper-level introduction to critical issues and approaches in the study of American popular culture. This includes defining popular culture and high culture using the student's own expertise as consumers of popular culture as a take-off point for exploring the various roles played by mass-mediated popular culture in our lives. Part of the task of this course will be to refine further the student's ability to read, research, evaluate, and synthesize materials from different disciplines into the student's own interdisciplinary analyses. The course will look primarily at television, film, advertising, stereotypes, popular music, and computer cyberculture, with occasional forays into other types of pop culture.

Psychology 839

CCP

Half Year

0.5 Credit

Gr. 10-12

Psychology is the study of human behavior and the mental processes. The course emphasizes participation as a key component to understanding student's behavior and individual thought. The primary method of analysis will be explained by utilizing personal examples. Students will be expected to communicate the principles of each major psychology concept to their own emotions, motivations, and learning experiences. Lastly, students will be synthesizing unit information by both paraphrasing through outlining and presentation formats. Key topics of study include memory, personality, adolescence, social psychology (cognition and behavior), and abnormal psychology.

Social Science of Well-Being 845

ACC

Half Year

0.5 Credit

Gr. 11-12

Simulated by ground-breaking research in the fields of Philosophy and Positive Psychology, both academia and popular media have seen an upsurge of interest in the "Social Science of Well-Being". What influences well-being? Can we measure happiness or peace of mind? What does the latest research and data tell us about the causes of happiness? How can we use the science of well-being to effect positive change in our lives? This course will explore these questions and more while examining the work of philosophers, sociologists, and psychologists from both the East and West who have pioneered the exploration of happiness. Students will examine recent discoveries in the field of the social sciences, reflect in their concrete implications, and consider strategies to integrate these new insights into their personal and professional lives.

Sociology * 835

CCP

Half Year

0.5 Credit

Gr. 10-12

Course will be offered in odd starting school years

Sociology is the study of societies, social groups, and the relationships between people. The field encompasses both the formation of particular societies and social groups, including their continuation, dissolution, and demise as well as the origins, structure and functioning of social groups. Students will learn the basic tools they need to develop a sociological imagination. The sociological imagination is the ability to see the connection between the larger social world and our personal lives. The development of the sociological imagination enables students to examine how society shapes human behavior and beliefs and how such actions and beliefs in turn shape society.

AP® Psychology TBD

AP

Full Year

1 Credit

Gr. 11-12

The AP Psychology course provides a comprehensive introduction to the scientific study of human behavior and mental processes. Through an examination of foundational studies and influential theories, students will engage with core concepts and phenomena across key areas in psychology, including the biological bases of behavior, cognition, development, learning, social psychology, personality, and mental/physical health. Throughout the course, students will also apply psychological principles, utilize research methods, and interpret data to critically evaluate evidence and effectively articulate understanding. Students are required to take the AP exam in May.

AP® Government 820

AP

Full Year

1 Credit

Gr. 12

All AP courses are college-level courses, and students should be prepared for that level of rigor. The Government course is a study of the American governmental system, including both the nuts and bolts of governing a nation and the influence of politics on decision-making. The course will include extensive reading, weekly writing assignments in the style of the AP exam, outside reading, and classroom discussions. Students may receive college credit for this course by taking the Government and politics US Advanced Placement Exam, which is an expectation. ***Note: Summer preparatory work is an additional requirement of the course.***

AP® Human Geography 822

AP

Full Year

1 Credit

Gr. 12

This course focuses student learning and study on the how and why of global human movement and interaction, its impact on our planet, and our understanding of it. Students will be introduced to the study of geography as a social science through emphasizing the relevance of geographic concepts to human problems. This course seeks to explore various geographic concepts related to human movement and interaction with the environment through the study of the five themes of Human Geography: Location, Human Environmental Interaction, Regions, Place and Movement. Students will critically explore the following topics in relation to human geography: Population, Migration, Cultural landscapes, identity, language, religion, political geography, urban geography, urban geography, development, agriculture, industry, human environment, and globalization. Students are required to take an AP exam in May. ***Note: Summer preparatory work is an additional requirement of the course.***

*** indicates that these courses will be offered in alternating school years as outlined below**

School year type (start of school year even/ odd)	School year calendar numbers	Courses being offered
Odd	2025/2026	American Values in Film and Music; Sociology
Even	2026/2027	Cultural Geography; Constitutional Law
Odd	2027/2028	American Values in Film and Music; Sociology
Even	2028/2029	Cultural Geography; Constitutional Law

Special Education Department

Timberlane Regional High School Special Education Department is committed to the New Hampshire Standards for the Education of Students to provide a free and appropriate education for all identified disabled students. We use a model of push in and pull out services.

TRHS follows the proper referral, evaluation, and placement requirements in order for a student to take part in specially designed instruction as a part of the student's IEP. A referral may be made by anyone that is responsible for the education of a student such as but not limited to: parent/guardian, teacher, or outside provider. After it has been determined (through the referral, evaluation and placement process) that a student is educationally disabled, a variety of placement options become available as discussed at an IEP Team Meeting.

Such placements may include, but are not limited to, the following options: targeted skill instruction, consultative assistance, related service provider services , paraprofessional support, transition skills support and/or specially designed instruction.

Life Skills—Daily Living 980A

NL
Full Year
1 Credit
Gr. 9-12

This special education course offers a structured, comprehensive curriculum that allows students with intensive needs in grades 9-12 to work towards independence by learning functional life and academic skills in the areas of consumer math for community and vocational purposes. This course will focus on basic nutrition and cooking, home management, and personal care and safety. There is an emphasis on functional reading skills as they prepare students for their lives after high school. The classes are structures to meet the goals and objectives identified in these areas in a student's Individualized Education Plan. These classes may be taken as many times as needed. These classes are taken for pass/fail credit and fulfill general elective credit requirements. **Prerequisite: Special Education Team Approval**

Life Skills—Consumer math 982A

NL
Full Year
1 Credit
Gr. 9-12

This special education course offers a structured, comprehensive curriculum that allows students with intensive needs in grades 9-12 to work towards independence by learning functional life and academic skills in the areas of consumer math for community and vocational purposes. This course will focus on making purchases such as buying food and clothing within a budget, earning and budgeting money, and improving your household through managing a budget. The classes are structures to meet the goals and objectives identified in these areas in a student's Individualized Education Plan. These classes may be taken as many times as needed. These classes are taken for pass/fail credit and fulfill general elective credit requirements. **Prerequisite: Special Education Team Approval**

Life Skills—Career Planning 983A

NL
Half Year
0.5 Credit
Gr. 9-12

This special education course will guide students through the process of assessing their interests and determining preliminary career options.

Reading 960

NL
Full Year
1 Credit
Gr. 9-12

Special Education Reading classes are designed to meet the needs of students with intensive needs or profound needs resulting from reading related disabilities, and to address specific reading goals as part of their Individual Education Plan. Courses are designed to be taken in conjunction with grade level English classes in order to provide specialized instruction needed to help students meet with success in those classes. These courses do not fulfill an English requirement. Full year 1 credit. Class size is limited. Prerequisite Special Education Team approval.

Unified/Adaptive Physical Education and Health 418

CCP
Half Year
0.5 Credit
Gr. 9-12

This course is designed for students who would be successful in a small, personalized health and physical education setting with support from other students. Students will receive differentiated instruction in association to the Universal Design for Learning that provides a flexible environment to grow. Students will be exposed to a variety of health topics including but not limited to personal advocacy, safety and violence prevention, nutrition, puberty, mental and emotional health in addition to knowledge of how to be physically active for a lifetime, and build community with their peers. ***Prerequisite: Departmental approval.***

Theater Department

One of the greatest playwrights of all time, Oscar Wilde, once said this about theater: "I regard the theater as the greatest of all art forms, the most immediate way in which a human being can share with another the sense of what it is to be a human being." The best way to find out if what Mr. Wilde has said is true is by exploring the possibilities of theater. By enrolling in any one of the courses that the Theater Department has to offer, you will find yourself in a new learning environment. You will be in a place where a bare stage replaces a blank sheet of paper for assessment, where acting out in class is encouraged, and where you will have a chance to explore your own hidden talents.

By taking any one of the classes offered in Theater, you will have a unique opportunity to look at learning in a new way, where your creativity and talent will be celebrated beyond a test grade or a written assignment. You will be able to transform your class work into performance. You can have the chance to see one of your own scripts actually performed by trained actors. You may find a new direction in life and new ways to express the wonderful qualities that exist in each and every one of us.

We look forward to seeing you on stage soon. To end with another Wilde thought, "The stage is not merely the meeting place of all the arts, but is also the return of art to life."

Course Descriptions:

Introduction to Theater 252

NL
Half Year
.5 Credit
Gr. 9-12

This class will offer a general introduction to theater from both a literary and a performance approach. Students will be learning about theater from reading and performing plays. They will also learn about the technical aspects of theater: costuming, sound design, set and prop construction, lighting effects, and special effects. This course is designed to encourage students to recognize the connection between literature and performance. It will allow students to gain confidence both in a classroom setting and on a stage. Actual performance will be a major form of assessment for the class.

Improvisation 267

NL
Half Year
.5 Credit
Gr. 9-12

The basic premise of improvisation is not based upon traditional instructional methods such as practice, memorization, review, and testing; it is actually based on failure more times than not. It is through failure that students learn to keep on trying, taking risks, and learning that how one handles failure is the true test of one's character. This class is based on team building, knowing that we will all make mistakes and risk-taking in an environment that is supporting and nurturing. The class will work on both the well-known short form, as well as the more challenging long-form improvisational styles. Participation through daily performance is the major form of assessment in this class.

Advanced Acting 265

ACC
Half Year
.5 Credit
Gr. 10-12

Advanced Acting will be a continuation of Introduction to Theater. In this class, students will study the craft of acting through a variety of acting techniques. They will learn about stage movement and acting styles demonstrated by masters in the field. This course is geared toward students who possess a serious interest in theater, and it would be beneficial to those who intend to study theater in college or as a career option. ***Prerequisite: Departmental approval.***

Playwriting 253

ACC
Half Year
.5 Credit
Gr. 11-12

This class will focus on creative writing. Students taking this class will work on writing scripts for theatrical production. While the class is specifically a creative writing class, students will also be reading a variety of published plays. Students will see their creative efforts turn into actual performances, since they will be able to access the talents of the Timberlane Players who will be performing the scripts during an annual one-act play series. This class is designed to provide students with an outlet for their talents and to help all students realize that what they do in class can have a dramatic impact on themselves and others.

World Language Department

The World Language Department offers courses in French, Latin, and Spanish to students at all levels of learning to support the requirement of most four-year colleges and universities. In our current globalized world, the study of a world language increases a student's connection to global cultures and perspectives, provides more opportunities for both national and international employment, and builds a foundation of linguistics that can apply to both English and his/her chosen language of study. Language courses seek to develop students' language proficiency around modes of communicative competence reflecting real life communication. The language one chooses is a matter of personal choice. There is no "easier" or "more difficult" one to learn. Learning a language requires the desire and willingness to work. It takes time to become proficient in a new language. Regardless of the length of time that students study a language, all students will develop and enhance their language skills and deepen their cultural understanding.

Course Descriptions:

French I—CCP 307

CCP

Full Year

1 Credit

Gr. 9-12

French I—CCP is an introductory course for students with who need a basic foundation or have no previous study in the language. The course develops students' reading, writing, listening, and speaking skills through exposure to authentic texts and audio resources. Students will enhance their cultural competence and understanding through a focused study of the products and practices of francophone communities in Canada. Students will acquire vocabulary and basic linguistic structures related to the themes of personal identity, families, schools and communities. This proficiency-based course is conducted in the target language and requires the active participation of all students.

French II—ACC 314

ACC

Full Year

1 Credit

Gr. 9-12

French II—ACC is an intensive course designed for students who have excellent study habits and want experiences that will prepare them for advanced work in the language. In this course, students continue to develop their reading, writing, listening and speaking skills by interacting with authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the products and practices of France. Students will acquire additional vocabulary and linguistic structures related to the themes of cultural celebrations, routines, childhood, health and illness, and traveling around the town. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level I.***

French II—CCP

CCP

Full Year

1 Credit

Gr. 9-12

In French II—CCP, students continue to develop their reading, writing, listening and speaking skills by interacting with authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the products and practices of France. Students will acquire additional vocabulary and linguistic structures related to the themes of cultural celebrations, routines, childhood, health and illness, and traveling around the town. This proficiency-based course is conducted in the target language and requires the active participation of all students.

French III—ACC 965

ACC

Full Year

1 Credit

Gr. 10-12

French III—ACC is an intensive course designed for students who have excellent study habits and want experiences that will prepare them for advanced work in the language. In this course, students will continue to develop their language skills by interacting with increasingly complex authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the cultural products and practices of francophone countries in Africa. Students will acquire more advanced vocabulary and linguistic structures related to the themes of professions, adolescent leisure activities, cultural identities, arts and culture, and global citizenship and the environment. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level II.***

French III—CCP 319

CCP

Full Year

1 Credit

Gr. 10-12

In French III—CCP, students will continue to develop their language skills by interacting with increasingly complex authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the cultural products and practices of francophone countries in Africa. Students will acquire more advanced vocabulary and linguistic structures related to the themes of professions, adolescent leisure activities, cultural identities, arts and culture, and global citizenship. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level II.***

French IV—ACC 331

ACC

Full Year

1 Credit

Gr. 11-12

French IV—ACC is an intensive course designed for students who have excellent study habits and want experiences that will prepare them for advanced work in the language. In this course, students will continue to develop their reading, writing, listening, and speaking skills by interacting with increasingly complex authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the cultural products and practices of francophone countries in the Caribbean and throughout the world. Students will acquire more advanced vocabulary and linguistic structures related to the themes of national identity, gender roles, values, artistic contributions from the target region, technology and the media, and global conflicts. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level III.***

French IV—CCP 327

CCP

Full Year

1 Credit

Gr. 11-12

In French IV—CCP, students will continue to develop their reading, writing, listening, and speaking skills by interacting with increasingly complex authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the cultural products and practices of francophone countries in the Caribbean and throughout the world. Students will acquire more advanced vocabulary and linguistic structures related to the themes of national identity, gender roles, values, artistic contributions from the target region, technology and the media, and global conflicts. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level III.***

French V—ACC 338

ACC

Full Year

1 Credit

Gr. 12

In this advanced course, students will develop their listening, speaking, reading, and writing skills to analyze, discuss and compare the perspectives and practices of France and francophone countries throughout the world. The following themes may be studied: immigration, multiculturalism, overcoming stereotypes, family roles and traditions, ethical and moral dilemmas, scientific progress, environmental issues, government, education, healthcare, human rights, and contemporary global challenges. This proficiency-based course is conducted completely in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level IV.***

AP® French Language and Culture 342

AP

Full Year

1 Credit

Gr. 12

The AP French Language and Culture course provides students with opportunities to develop language proficiency across the three modes of communication: Interpretive, Interpersonal, and Presentational. The course focuses on the integration of authentic resources including online print, audio, and audiovisual resources, as well as traditional print resources that include literature, essays, and magazine and newspaper articles with the goal of providing a rich, diverse learning experience. AP French Language and Culture is a language acquisition course designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where French is spoken and as such, is an immersion experience requiring almost exclusive use of French. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level. Students are required to take the AP exam in May. ***Prerequisite: Successful completion of Level IV.***

Spanish I—CCP 311

CCP

Full Year

1 Credit

Gr. 9-12

Spanish I—CCP is an introductory course for students who need a basic foundation or have no previous study in the language. The course develops students' reading, writing, listening, and speaking skills through exposure to authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the products and practices of Spain. Students will acquire vocabulary and basic linguistic structures related to the topics of personal identity, families, schools, and communities. This proficiency-based course is conducted in the target language and requires the active participation of all students.

Spanish II—ACC 318

ACC

Full Year

1 Credit

Gr. 9-12

Spanish II—ACC is an intensive course designed for students who have excellent study habits and want experiences that will prepare them for advanced work in the language. In this course, students will continue to develop their reading, writing, listening and speaking skills by interacting with authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the products and practices of Mexico. Students will acquire additional vocabulary and linguistic structures related to the themes of cultural celebrations, routines, childhood, health and illness, and traveling around the town. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level I.***

Spanish II—CCP 317

CCP

Full Year

1 Credit

Gr. 9-12

In this course, students will continue to develop their reading, writing, listening and speaking skills by interacting with authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the products and practices of Mexico. Students will acquire additional vocabulary and linguistic structures related to the themes of cultural celebrations, routines, childhood, health and illness, and traveling around the town. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level I.***

Spanish—III ACC

ACC

Full Year

1 Credit

Gr. 10-12

Spanish III—ACC is an intensive course designed for students who have excellent study habits and want experiences that will prepare them for advanced work in the language. In this course, students will continue to develop their language skills by interacting with increasingly complex authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the cultural products and practices of Latin America and the Caribbean. Students will acquire more advanced vocabulary and linguistic structures related to the themes of professions, adolescent leisure activities, cultural identities, arts and culture, and global citizenship. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level II.***

Spanish—III CCP 311

CCP

Full Year

1 Credit

Gr. 10-12

In Spanish III—CCP, students will continue to develop their language skills by interacting with increasingly complex authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the cultural products and practices of Latin America and the Caribbean. Students will acquire more advanced vocabulary and linguistic structures related to the themes of professions, adolescent leisure activities, cultural identities, arts and culture, and global citizenship. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level II.***

Spanish—IV ACC 335

ACC

Full Year

1 Credit

Gr. 11-12

Spanish IV—ACC is an intensive course designed for students who have excellent study habits and want experiences that will prepare them for advanced work in the language. In this course, students will continue to develop their reading, writing, listening, and speaking skills by interacting with increasingly complex authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the cultural products and practices of countries in South America. Students will acquire more advanced vocabulary and linguistic structures related to the themes of national identity, gender roles, values, artistic contributions from the target region, technology and the media, and global conflicts. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level III.***

Spanish—IV CCP 324

CCP

Full Year

1 Credit

Gr. 11-12

In Spanish IV—CCP students will continue to develop their reading, writing, listening, and speaking skills by interacting with increasingly complex authentic texts and audio resources. Students enhance their cultural competence and understanding through a focused study of the cultural products and practices of countries in South America. Students will acquire more advanced vocabulary and linguistic structures related to the themes of national identity, gender roles, values, artistic contributions from the target region, technology and the media, and global conflicts. This proficiency-based course is conducted in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level III.***

Spanish V—ACC 340

ACC

Full Year

1 Credit

Gr. 12

In this advanced course, students will develop listening, speaking, reading, and writing skills to analyze, discuss and compare the perspectives and practices of hispanic countries throughout the world. The following themes may be studied: immigration, multiculturalism, overcoming stereotypes, family roles and traditions, ethical and moral dilemmas, scientific progress, environmental issues, government, education, healthcare, human rights, and contemporary global challenges. This proficiency-based course is conducted completely in the target language and requires the active participation of all students. ***Prerequisite: Successful completion of Level IV.***

AP® Spanish Language and Culture 343

AP

Full Year

1 Credit

Gr. 12

The AP Spanish Language and Culture course provides students with opportunities to develop language proficiency across the three modes of communication: Interpretive, Interpersonal, and Presentational. The course focuses on the integration of authentic resources including online print, audio, and audiovisual resources, as well as traditional print resources that include literature, essays, and magazine and newspaper articles with the goal of providing a rich, diverse learning experience. AP Spanish Language and Culture is a language acquisition course designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where Spanish is spoken and, as such, is an immersion experience requiring almost exclusive use of Spanish. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level. Students are required to take the AP exam in May. ***Prerequisite: Successful completion of Level IV.***

Career and Technical Education (CTE)

Courses available at Salem High School and Pinkerton Academy

Those students who wish to gain career and technical training and certification while still in high school should consider the opportunity of attending a regional CTE Center. Students who enroll in the program take their academic courses at Timberlane Regional High School and a two period career and technical course at the CTE Center at Salem High School or Pinkerton Academy. Transportation to Salem High School is provided by Timberlane Regional High School. Students attending Pinkerton programs are required to provide their own transportation.

The following CTE programs are available through the CTE in Salem:

Automotive Technology Pathway

Biomedical Science Pathway

Business Pathway

Carpentry Pathway

Computer Science and Technology Pathway

Cosmetology Pathway

Culinary Arts and Hospitality Pathway

Engineering Pathway

Graphic & Digital Design Pathway

Health Science Pathway

Teaching Pathway

Television and Media Production Pathway

Automotive Technology

Automotive Technology is a two year program aimed at preparing students for careers in the automotive industry such as: automotive technicians, service writers, engineers, parts distributor, and aviation and diesel technicians. Many students their education at community and technical colleges and gain employment. Students can earn industry credentials and college credit through Manchester Community College.

Automotive Technology 1 861

CCP

Full Year

2 Credits Double Period

Gr. 11

In Automotive Technology 1, you will study many of the major automotive systems while learning how a quality automotive shop operates. Major topics of instruction include: shop safety, shop operations, lubrication, engine components, steering and suspension, brake systems, and vehicle safety inspections. You will also develop an understanding of service write-ups, customer service, and parts management. You will gain valuable hands-on experience performing live work in the Salem AutoTech shop. Appropriate safety instruction is provided and students are required to wear proper footwear, eye wear, and clothing for use in laboratory activities. You will be eligible to earn SP2 safety certification, Valvoline oil certification, as well as industry-driven training from various local companies.

Automotive Technology 2 863

CCP

Full Year

2 Credits Double Period

Gr. 12

In Automotive Technology 2, you will use the skills and competencies mastered in Automotive Technology 1, while mastering new competencies in front-end alignment, steering and suspension, emissions, engine principles, cooling and heating systems, electrical diagnosis and repair as well as scan tool use. A continued emphasis on safety, shop management, and proper workplace attitude are important components of this course. You are required to provide proper footwear and clothing for use in laboratory activities. This program is accredited through the ASE Foundation. Automotive related colleges and post-secondary schools visit the program each fall to inform you of post-secondary options. You will be eligible for student level ASE certification and may have the opportunity to compete in the Skills USA competition. ***Prerequisite: Grade of C+ or better in Automotive Technology 1 or teacher recommendation.***

Biomedical Science

Biomedical Science is a laboratory-based, two-year program aimed at preparing students for a variety of careers in the life science, biotechnology, as well as medical fields. Using a hands-on approach and state-of-the-art equipment, a student will explore a workplace approach to working in medicine, genetics, biotechnology, pharmaceuticals, biochemistry, biomedical engineering, and research to name a few. The lab equipment, technology and lab bench skills rivals the quality of many college programs. Completion of Biomedical Science 1 satisfies the life science graduation requirement. Biomedical Science 2 is an Early College program and qualifies for 3 college credits in Biotechnology.

Biomedical Science 1 870A

CCP

Full Year

2 Credit Double Period

Gr. 11-12

Biomedical Science is a two-year program for students interested in pursuing a major or career in the medical sciences, biotechnology and many affiliated fields. It is a very hands-on program where you will learn skills and techniques in our state-of-the-art laboratory while preparing you for these high-demand jobs. In Biomedical Science 1 you will focus on microbiological techniques such as aseptic technique, growing culture, media preparation, microbial genetics and identification. You will also study techniques in DNA manipulation, cell culture, protein production, biomolecule purification, drug discovery, bioinformatics, and much more. The work completed in this course rivals most undergraduate programs. If you enjoy the sciences in a hands on laboratory environment, then this course is for you! Biomedical Science 1 fulfills the life science/biology graduation requirement. ***Prerequisite: Current grade of C or better in Earth/Space Science*** .

Biomedical Science 2 870B

CCP

Full Year

2 Credits Double Period

Gr. 11-12

Biomedical Science 2 focuses on advanced topics and the direct application of skills related to biomedical science, biochemistry, and biotechnology. You will further your skills in Quality Control, recombinant DNA technology, immunology, protein purification, as well as forensic DNA testing. You will have the opportunity to earn certificates representing a number of demonstrated laboratory skills. In addition, as experienced laboratory technicians, you will have the opportunity to gain additional experience working independently on a Capstone research project. This course qualifies for 3 college credits in biotechnology as part of Early College. ***Prerequisite: Grade of C or better in Biomedical Science 1.***

Business Pathway

The Business Pathway is a program that offers students the opportunity to earn up to 15 college credits through Manchester Community College which may be transferred to many 4 year colleges and universities. A student is considered a Business Pathway completer if they complete 4 of the 5 courses. Business Principles must be taken as the first course and is a prerequisite for all other courses.

Business Principles 878F

CCP

Half Year

1 Credit Double Period

Gr. 11-12

This course is designed to provide you with a basic understanding of the structures and operations of business. You will gain an awareness of social and ethical responsibility as it relates to the environment, consumers, employees, and investors. Business ownership, management, marketing, the global economy, money and investments will also be explored. ***Note: This course is the first course in the Business Pathway Program and must be completed before taking any other Business Pathway courses. This course is eligible for three college credits.***

Marketing 893

CCP

Half Year

1 Credit Double Period

Gr. 11-12

The sales and marketing fields have great opportunities for employment. In this course, you will take an in-depth look into the marketing of goods and services within the diverse marketing industry. Topics include: sports and entertainment, fashion, retail, marketing communication, consumer behavior, product planning, visual merchandising, pricing, and advertising. Students will obtain their skills and knowledge through classroom instruction, activities, and group and individual projects. ***Prerequisite: Successful completion of Business Principles with a C or better. This course is one of the five courses in the Business Pathway Program and is eligible for 3 college credits.***

Accounting, Honors 878E

CCP

Half Year

1 Credit Double Period

Gr. 11-12

Accounting, Honors is a rigorous, comprehensive study of accounting principles. Students who are interested in a career in accounting, financial management, or who intend to major in business in college should consider this course. The course content is equivalent to a first semester college accounting course. ***Prerequisite: C or better in Business Principles. This course is one of the five courses in the Business Pathway Program, and is eligible for 3 college credits.***

Business Law 878G

CCP

Half Year

1 Credit Double Period

Gr. 11-12

Business Law will increase your understanding of business' responsibility to know, abide by, and enforce laws and regulations that affect business operations and transactions. Students will work with case studies to learn how business and personal law affect organizations and individuals. Topics discussed include: constitutional law for business and on-line commerce, torts and privacy, business and cyber crimes, ethics and social responsibility, and contracts and warranties. ***Prerequisite: Successful completion of Business Principles with a grade of C or better. This course is one of the five courses in the Business Pathways program and is eligible for 3 college credits.***

Business Management (semester 2) 878S

CCP

Half Year

1 Credit Double Period

Gr. 11-12

In Business Management, you will be introduced to the principles and techniques underlying the successful management of business organizations. Topics you will learn include: supply and demand, market structure, entrepreneurship, leadership, motivational techniques, ethics and social responsibility, management styles, and the functions of management. You will analyze basic management activities and apply knowledge to complete a business plan for a company of your own creation. ***Prerequisite: Successful completion of Business Principles with a grade of C or better. This course is one of the five courses in the Business Pathway Program and is eligible for 3 college credits.***

Carpentry

Carpentry is a program designed to prepare you for a career in residential and commercial construction. Students interested in residential and commercial construction, construction management, architecture, and engineering will benefit from this program. The program is a blend of classroom theory and on-site, hands-on construction projects where you will learn basic building systems and techniques.

Carpentry 1 865

CCP

Full Year

2 Credits Double Period

Gr. 11

In this course, you will learn basic residential carpentry techniques beginning with a comprehensive unit on workplace and tool safety and progressing through residential framing techniques. Units of study will include: tool selection and usage, plan reading, layout, footings and foundations, and floor and wall systems. You should be comfortable on ladders and with working outside in a variety of conditions. Students will complete projects such as sheds, decks, and additions as part of this program. Students are required to have proper work boots and clothing.

Carpentry 2 867

CCP

Full Year

2 Credits Double Period

Gr. 12

In Carpentry 2, you will expand on your skills from the first year and learn more advanced skills in areas such as roof and stair framing, siding systems, insulating, window installation, roofing, and finish work. Students will complete more advanced projects in this course. You are required to have proper work boots and clothing. ***Prerequisite: Grade of C+ or better in Carpentry 1 or permission of instructor.***

Computer Science Pathway

The Computer Science Pathway is designed for students who are interested in careers in the information technology sector such as programming, software development and software engineering. Don't be intimidated by the "AP" status of this course. Any student who has a strong interest in learning more about the subject or pursuing Information Technology as a career can succeed in this program. Students in the first year take AP Computer Science Principles.

AP Computer Science Principles 873A

AP

Full Year

2 Credit Double Period

Gr. 11-12

AP Computer Science Principles is an introductory college-level computer science class that meets every day for a full year. Students learn about the Internet, Digital Information, Application Development and Computer Programming in Python. We cover the standard AP Computer Science Principles curriculum including the development of the Create Performance Task (a student-designed and developed application that is evaluated by the college board as part of the AP Exam). Students in this class are expected to take the AP Computer Science Principles Exam in the spring. ***Prerequisite: Successful completion Algebra 1***

AP Computer Science A 873B

AP

Full Year

2 Credit Double Period

Gr. 11-12

AP Computer Science A is an introductory college-level Java programming class that meets every day for a full year. Students learn about the Java programming language including: Primitive Types, using Objects, Boolean Expressions and If Statements, Iteration, Writing Classes, Arrays, Arraylists, 2D Arrays, Inheritance, and Recursion. Students in this class are expected to take the AP Computer Science A Exam in the spring, and will undergo rigorous preparation for the exam. ***Prerequisite: AP Computer Science Principles.***

Cosmetology Pathway

Cosmetology is a high demand profession with a strong employment outlook. The State of New Hampshire requires 1500 hours of education and clinical experience for licensing. Through partnerships with post secondary cosmetology schools, students can earn up to 200 clinical hours over the 2 year CTE program. Students should have strong communication skills as this is a very social environment. Because clinical hours are accrued, all absences must be made up to account for lost hours. Students are responsible for obtaining an apprentice license ($25.00) and a cosmetologists kit and mannequin ($150.00). Financial and fundraising assistance is available.

Cosmetology 1 848

CCP

Full Year

2 Credits

Double Period

Gr. 11

In Cosmetology 1 students will be introduced to the cosmetology industry and associated careers. Students will work in a combined classroom and hands-on environment learning safety and sanitation, hair cutting and styling techniques, nail technology and esthetics. A newly constructed cosmetology salon serves as the classroom for working with hair mannequins. All students are required to obtain a cosmetology apprentice license from the State of New Hampshire ($25.00) and purchase a cosmetology kit and mannequin head (approximately $150.00).

Cosmetology 2 849

CCP

Full Year

2 Credits

Double Period

Gr. 12

In Cosmetology 2, students continue to improve and practice their skills from level 1 while learning more advanced hair cutting and styling techniques, coloring techniques and advanced esthetics such as facials and pedicures. Students will learn about the business of salon operations and ownership. Cosmetology 2 students will have the opportunity to work with customers in the salon. An additional cost for advanced tools may be required ($75). ***Prerequisite: Successful completion of Cosmetology 1 with a grade of B-***

Culinary Arts and Hospitality

Do you love to cook? Do you enjoy serving people in your community and making them happy? Are you interested in a career that allows you to travel? Hospitality and tourism is one of the largest industries in New Hampshire and demand for quality trained cooks, chefs, managers and servers is high. You will gain excellent industry experience in this highly hands-on program, learning your way around a commercial kitchen and restaurant, and practicing fundamental cooking methods and hospitality principles. You will work with a team of peers to operate successfully the on-site restaurant as well as catering a variety of functions. Start your culinary education with us and prepare for an exciting career in the food service industry or take the next step following high school and advance your skills in an accredited and respected culinary or hospitality management program.

Culinary Arts 1 881

CCP

Full Year

2 Credits

Double Period

Gr. 11-12

In Culinary Arts 1, you will learn about kitchen safety and sanitation, culinary terminology, product identification, baking skills, knife skills and other culinary skills essential to the industry. You will work as a team preparing food for the Three Seasons restaurant and other catering and culinary functions. If you enjoy cooking and working with a fun team in a fast-paced environment, then Culinary Arts is for you. Opportunity in the culinary and hospitality business is endless and is a profession that you can practice anywhere in the world.

Culinary Arts 2 883

CCP

Full Year

2 Credits

Double Period

Gr. 11-12

In this course, you will build on your skills from year one and take on a leadership role in menu design, working brigade positions such as Sous Chef, dining room manager, expediting, and lead baker. Students assume all upper management positions within the kitchen, dining room, and bakery. You will further refine your skills and knowledge by completing a culinary arts electronic portfolio. This portfolio serves to document your cooking, pastry baking, and employability skills, as well as your knowledge of safety and sanitation. Students may also participate in after school functions and banquets. College credit is available through the Lakes Region Community College. ***Prerequisite: Grade of C or better in Culinary Arts 1 or teacher recommendation.***

Engineering Pathway

The Engineering pathway is designed for students interested in careers in engineering, engineering technician, advanced manufacturing, architecture, construction, CNC operation, CADD, and product design. The program is a blend of classroom and hands-on experiences designed to teach students the engineering process and fields associated with engineering. Students earn college credit from NHTI for each course completed.

Engineering 1 856E

CCP

Half Year

1 Credit (RS)

Everyday

Gr. 9-12

The first course in the engineering sequence will introduce you to basic engineering design principles and teach you how to digitally model and physically create objects of your own. Students learn to use advanced computer design software, 3D printers, and basic machinery and techniques in the fabrication lab. You will develop marketable, transferable skills useful in multiple career pathways. This course follows the Project Lead the Way, Introduction to Engineering Design curriculum. Prerequisite: C or better in Algebra I or Math 8 Algebra..

Engineering 2 856E2

CCP

Half Year

1 Credit (RS)

Everyday

Gr. 9-12

The second course in the engineering sequence goes beyond the design step to teach you the skills needed to construct and test an object of your own. Emphasis is on build strategies and techniques for testing and analysis. Students work on multiple hands-on projects and problems that integrate intermediate fabrication and solid modeling tools. A focus will be on developing interpersonal and team-based skills essential for career and college success. This course follows the Project Lead the Way, Principles of Engineering curriculum. ***Prerequisite: C or better in Engineering 1***.

Engineering 3 856E3

CCP

Full Year

2 Credits (RS)

Everyday

Gr. 10-12

The third course in the engineering sequence, this full-year program incorporates advanced engineering and fabrication techniques as well as computer numeric control (CNC) operation into previously learned engineering skills and processes. Students will work on team-based capstone designs and develop working prototypes in the fabrication lab. This course follows the Project Lead the Way, Computer Integrated Manufacturing curriculum. ***Prerequisite: C or better in Engineering 2.***

Graphic & Digital Design Pathway

The Graphic & Digital Design program introduces students to the elements of art and principles of graphic and digital design through hands-on project-based learning. Using industry standard software programs, students learn the design process necessary to complete compositions from concept to completion. This program explores typography, color theory, printing methodologies, critique standards, technical tools, and creativity necessary to be competitive in the graphic design field. The classroom environment provides students with many opportunities for authentic learning and career path exploration.

Graphic & Digital Design 1 897B

CCP

Full Year

2 Credit Double Period

Gr. 11-12

This course provides a project based curriculum designed to include a range of learning activities associated with the graphic and digital design industry. Students work in a professional Mac lab environment with access to the Adobe Creative Suite. Additionally, students will have the ability to have hands-on experience with a digital press, large format printer, multi purpose printer including apparel and adhesives and other equipment relevant to project construction. All projects are industry standard and relevant to career success. Skills developed include learning correct technical composition, graphic design principles, vector/photo manipulations, color theory, digital illustration, critical thinking, problem solving, typography and printing standards. Software skills focus on Adobe Photoshop, Illustrator, InDesign and XD. Students will work on a variety of projects ranging from print design to digital design. Students will have opportunities to work with clients and develop communication and professional design expectations for client work. Students will develop a portfolio that will range in project type and complexity as the class progresses.

Graphic & Digital Design 2 898A

CCP

Full Year

2 Credit Double Period

Gr. 11-12

This is the second year of the Graphic Design program. This class will continue to focus on improving and enhancing the technical and execution skills of students. Students will learn about various design styles in history. Advanced software skills and projects will be emphasized as students continue to develop their portfolio, solidify their career plans, and hone their collaborative and project management skills. Students will focus on higher level problem solving involving critical thinking necessary for digital design professions and learn about wireframing for mobility. Students will have direct client experience working with SHS community members, or students as clients in cross program efforts to design products for immediate need. Students will expand their proficiency in the Adobe Creative Suite (Illustrator, Photoshop, InDesign and XD). Students will regularly partake in design critiques. Opportunities for internships are encouraged. Prerequisite: C or better in Graphic Design 1 or permission of instructor.

Health Science Technology

The healthcare industry is one of the top three industries in New Hampshire and abroad. The employment opportunity is vast in this diverse field of study. This outstanding program will prepare you for a variety of healthcare jobs. Our program completers are highly successful and typically go on to be nurses, EMT's, physicians, occupational and physical therapists, pharmacists and physician's assistants to name a few.

Health Science Technology 1 889

CCP

Full Year

2 Credits Double Period

Gr. 10-11

Health Science Technology is a two-year program for juniors and seniors who are interested in pursuing a career in the healthcare field. During the first year, we will concentrate on establishing a strong foundation in anatomy and physiology, safety issues, infection control and career exploration. Students are eligible to

receive 3 college credits in medical terminology from Manchester Community College. Classroom activities include: lecture, poster presentations, internet projects, competitive games, anatomy labs and audio-visual learning related to diagnosis, treatment and prevention of disease. Skills component includes: vision and hearing testing, vital signs, (temperature, pulse, respiration and blood pressure), gown, glove and hand-washing techniques as well as training in taking EKGs. Students interested in pursuing any career in healthcare would benefit greatly from this course. Prerequisite: Current grade of B- or better in Biology or Biomedical Science 1 at time of application.

Health Science Technology 2 891

CCP

Full Year

2 Credits Double Period

Gr. 11-12

Health Science Technology 2 continues with the completion of studies in anatomy and physiology, pathophysiology, infectious disease, and safety training. American Heart Association CPR certification is provided to all level two students. During the second semester, students choose to participate in one of three clinical rotations: Emergency Medical Technician (EMT), Licensed Nursing Assistant (NA), or Allied Health Community Internship (MA). The EMT and NA program require both classroom and clinical rotations at the Salem Fire Department or the Northeast Rehabilitation Hospital. These rotations will require some weekend and evening clinical hours. Upon successful completion of the EMT or NA program, and the corresponding state licensing exam, licensing will occur. Students in the Nursing Assistant program (NA) are responsible for coordinating and assisting with an annual blood drive. Students enrolled in the Allied Health Community Internship program (MA) require both classroom hours and a four month clinical rotation in the community with a preceptor of their choice. A clinical interview with the clinical preceptor is required for all students. At the end of the semester, students will have approximately 60 clinical hours of experience. Available community sites include agencies specializing in radiology, pharmacology, internal medicine, dental health, physical or occupational therapy and veterinary medicine. Health Science Technology promotes responsibility, leadership, maturity, communication skills and professional behavior. ***Prerequisite: Grade of B- or better in HST 1 and teacher recommendation. Successful completion of HST 1 and HST 2 satisfies the graduation requirement for health. Requirements: EMT course: EMT book and uniform approximate cost $150.00. NA course: book and uniform approximate cost $100.00; financial aid is available. Additional cost of approximately $100.00 for students who pursue state licensing and NA students are required to have a COVID-19 and influenza vaccine and pass a drug test prior to clinical. Name tag and immunization records with updated PPD within the year are also required.***

Teaching Pathway

This program will introduce you to education history, theory and methods of teaching as well as providing you with a basic understanding and introduction to the teaching and education profession. The competencies and curriculum focus on education topics similar to those taught in a college curriculum. The nature of this program requires mature, responsible, self-directed learners interested in pursuing a career in the education field. You should have an excellent attendance record. Emphasis is placed on work-ready skills and academic skills and content. You are required to complete observation hours in a variety of classroom settings. Professional attire is required when you are at practicum and observation sites. Students considering careers in all levels of the education field benefit from this program and are well prepared for college. This program is eligible for up to 10 college credits from SNHU.

Teacher Education 1 857A

CCP

Full Year

2 Credits Double Period

Gr. 10-12

In this course you will be introduced to education history, theory and methods of teaching. This course provides you with a basic understanding and introduction to the teaching and education profession. The competencies and curriculum focus on education topics similar to those taught in a college curriculum. The nature of this course requires mature, responsible, self-directed learners interested in pursuing a career in the education field. You should have an excellent attendance record. Emphasis is placed on work-ready skills and academic skills and content. You are required to complete observation hours in a variety of classroom settings. Professional attire is required when you are at practicum and observation sites. Students considering careers in all levels of the education field benefit from this program and are well prepared for college. This course is eligible for 4 college credits through SNHU. ***Recommendation: Grade of C or better in current English and Math course.***

Teacher Education 2 857B

CCP

Full Year

2 Credits Double Period

Gr. 11-12

Teacher Education 2 focuses on child growth and development. Theories relevant to individual stages of development are discussed and the sociological, cultural and psychological aspects of human growth and development are studied. An overview of all developmental stages will be covered and students will explain and discuss age and developmentally appropriate experiences for children, particularly in an educational context. Additionally, this course will introduce students to the principles and practices of assessment for teaching and learning. Topics include the types, benefits, and uses of formal and informal assessment as well as the ethical issues of assessment and grading. Students will create assessments aligned with standards based content and understand what educators need to know about the goals, benefits, and uses of formal and informal assessment. Through classroom observations, students will identify developmentally appropriate use of classroom resources, procedures, and assessments. This course is eligible for 6 college credits through SNHU. ***Prerequisite: Students enrolling in Teacher Education 2 are expected to have mastered or be proficient in the basic teaching skills learned in Teacher Education 1 and teacher recommendation.***

Television and Media Production

TV and Media Production is a program designed for students who are interested in careers in the visual arts, broadcasting and production. This highly hands-on, project-oriented program teaches you a multitude of skills and techniques which rivals many college programs. If you have an interest or passion for film, broadcasting, TV and production, this is where you belong. Many of our graduates have gone on to lucrative jobs and careers in this profession.

Television and Media Production 1 864

CCP

Full Year

2 Credits Double Period

Gr. 11

Television and Media Production 1 is designed to help you gain an understanding of the writing and technical skills required for quality video production. Emphasis will be on building a foundation through lecture, readings, writing, and video production. Completing this course will be preparing you for the rigorous production work in level 2. You will utilize state-of-the-art television, computer and multimedia equipment to produce quality media productions. Through interesting and thought-provoking project-based assignments, you will learn the basics of creating clear and concise multimedia presentations. You must be able to work well in a team environment as this class relies heavily on group work. Assignments will range from short films, PSA's, music videos and news production, and finished projects will air on our local educational channel, SLC-6 and our YouTube channel. Active class participation is mandatory, and you should be prepared to perform daily in front of and behind the camera. Students are expected to assist on some productions of after school sports and school-related events as part of the curriculum.

Television and Media Production 2 858

CCP

Full Year

2 Credits Double Period

Gr. 12

Television and Media Production 2 is an advanced course that builds upon the skills gained in level 1, and exposes you to advanced concepts in television and media production. You will assume the roles of writer, producer, director, actor, camera person, technical and audio director, and editor while applying organizational production skills to produce a weekly newscast among many other projects throughout the year. Projects are designed to solidify your skills. You will direct live studio productions as well as direct and produce ENG and EFP productions. You will demonstrate effective pre-production, production, and post-production skills using best practices all while reinforcing the fundamentals of digital video and broadcast journalism. You are expected to participate in extracurricular production work and assist Salem's SLC-6 channel with the videotaping of sports and school events as part of the curriculum. Students completing this course gain the skills and knowledge needed to advance into a college level program or seek gainful employment in a rapidly growing field. ***Prerequisite: Grade of C+ or better in Television and Media Production 1, or permission of the instructor.***

The following CTE programs are available through the regional center at Pinkerton Academy:

Animal Science

Animal Science & Management TBD

CCP

Full Year

2 Credit

Gr. 11

This full-year (2 credit) course meets every day and dives into the world of companion and large animals. In the first semester, focus on understanding the care and behavior of companion animals like dogs, cats, and small mammals, covering topics such as nutrition, health care, and the human-animal bond. Transitioning to the second semester, delve into the management of large agricultural animals such as cattle, horses, and sheep, learning about husbandry practices, nutrition, and reproductive management. Through hands-on experiences, lab activities, and discussions on ethics and animal welfare, students develop essential skills and knowledge to responsibly engage with and advocate for the well-being of animals in various contexts

Prerequisite(s): CTE Application

Animal Health & Veterinary Technology 859B

CCP

Full Year

2 Credits Double Period

Gr. 12

Eligible for concurrent credit

This full-year (2 credit) course meets every day. It is designed for students who are interested in a future career with animals in the health and veterinary technology field. Units of instruction will include but are not limited to: Introduction to veterinary technology, veterinary terminology, animal diseases, animal behavior & training, animal anatomy & physiology. Students will be certified in Pet CPR & First Aid through an accredited program. Students will also learn how to properly perform basic grooming on canines and run a student CTE enterprise: Pinkerton Pet Palace. Early College Program credits available.

Prerequisite: Successful completion of Introduction to Animal science & Animal Management with a min. grade of 80 and permission from the CTE

Architecture & Design

Architecture & Design 1 TBD

CCP

Full Year

2 Credit

Gr. 11

This full-year (2-credit) course provides an excellent opportunity to learn about Architecture, Engineering and the field of design. Gain knowledge about all aspects of Architecture from the Ancient world to all the elements needed to design a building. Get creative designing various projects while learning how to use Revit, the software that many colleges and offices use. Develop your creative and presentation skills by learning how to present your projects using Photoshop. Increase your sketching skills while building your portfolio. Expand your teamwork and communication skills. College articulations may be available. Eligibility requirements: per the post-secondary partners students must be in 10th, 11th and 12th grade to enroll for college credit.

Prerequisite(s): CTE Application

Architecture & Design 2 TBD

CCP

Full Year

2 Credit

Gr. 12

This full-year (2-credit) course allows students to continue to gain experience designing various projects. Projects will consist of various designs as well as the New Hampshire AIA High School design competition. Develop an impressive portfolio of your work over the course of the two year program. Expand your knowledge of Architecture and sustainability. Increase your experience working as a team and building strong communication skills. College articulations may be available. Eligibility requirements: per the post-secondary partners students must be in 10th, 11th and 12th grade to enroll for college credit.

Prerequisite(s): Successful completion of Architecture & Design 1 and permission from the CTE Director.

Electrical Technology

Electrical Technology I 872

CCP

Full Year

2 Credits
Double
Period

Gr. 11

This full-year (2 credit) course meets every day. It is the first half of a 2-year program designed to have the student gain the knowledge and skills necessary to successfully enter the field as an apprentice electrician. The student will acquire skills in all phases of residential wiring including basic electrical theory, safety, test equipment, blueprint reading and local code requirements. Students will complete calculations for normal residential circuits and special purpose wiring systems. This hands-on experience is accomplished in a simulated residential setting. Job searching skills as well as quality workmanship and professionalism will be an integral part of the classroom environment. Students will have the opportunity to obtain their OSHA 10 certification with successful completion of the course.
LAB FEE: Students will be required to obtain the NH Apprentice Electrical license-approximate cost is $60.
Prerequisite(s): CTE Application and completion of Algebra 1A or B with a 75 or higher, or an 80 for Algebra 1C

Electrical Technology II 872A

CCP

Full Year

2 Credits
Double
Period

Gr. 12

This full-year (2 credit) course meets every day. It is the second half of a 2-year program and intensifies, follows through, and elaborates on material covered in Electrical Technology 1. The course covers industrial, commercial installations and basic generator install and maintenance. Students will also participate in the actual wiring, planning, cost estimation, NEC code requirements, and material acquisition needed to complete various projects. Students will learn how to use power tools, test equipment, specialty tools and control circuits used in the electrical field. Successful completion of the Electrical Technology 1 and 2 programs will credit the student with a portion of classroom and work hours required to obtain a Journeyman Electrical License.

Prerequisite(s): Completion of Electrical Technology I with a 80 or higher and permission from the CTE Director.

Welding Technology

Welding Technology I 874

CCP

Full Year

2 Credits
Double
Period

Gr. 11

This full-year (2 credit) course meets every day. It is the first half of a 2-year program and is designed for anyone who wishes to learn welding and metal fabrication. Students are instructed in the safe operation of all tools, material handling and techniques used in welding. Areas of instruction include flame cutting, brazing, arc welding, and metal-fabrication. Personal protective equipment required to be worn.

Prerequisite: CTE Application

Welding Technology II 874A

CCP

Full Year

2 Credits
Double
Period

Gr. 12

This full-year (2 credit) course meets every day. It is the second half of a 2-year program and intensifies, follows through, and elaborates on material covered in Welding Technology 1. Emphasis will be on entry-level job proficiency with gas welding, soldering, cutting skills with ferrous and non-ferrous materials, shielded electrode arc welding equipment, metal fabrication and power tools, metal inert gas (MIG) welding, and tungsten inert gas (TIG) welding. Modern welding techniques developed for aluminum and steel alloys will be skill options available to students. Focus will be on production, fabrication and repair skills rather than home-type objectives. Personal protective equipment required to be worn.

Prerequisite: Successful completion of Welding Tech. 1 with a min. grade of 75 and permission from the CTE Director.

Environmental Science Level I

Exploring Plant & Animal Science TBD

CCP

Half Year

0.5 Credits

Gr. 11-12

This half-year (0.5 credit) course is designed to dive into agricultural & animal science topics and its global impact, and learn about scientific and research concepts that drive the field, as well as the effects of agriculture on the environment. The course will also teach you about the career opportunities available in the field and how to promote yourself best so you can land your dream job. Specialized lab activities will give you the hands-on practice you need to master the content. Every student has the opportunity to enhance their skills by participating in FFA.

Note: Students take concurrently with Environmental Science for the first semester.
Prerequisite(s): CTE Application

Sustainable Living TBD

CCP

Half Year

0.5 Credits

Gr. 11-12

This half-year (0.5 credit) course is designed to educate students on the principles and practices of sustainability, with a focus on personal and community-based actions to reduce environmental impact and promote a more sustainable lifestyle. Through interdisciplinary lessons, hands-on activities, and real-world applications, students will explore topics such as renewable energy, waste reduction, conservation, organic gardening, and ethical consumption. By the end of the course, students will be empowered to make informed decisions that contribute to a more sustainable and environmentally conscious society. Every student has the opportunity to enhance their skills by participating in FFA and SEA.

Note: Students take concurrently with Horticulture and Landscaping for the second semester.

Environmental Science TBD

CCP

Half Year

0.5 Credits

Gr. 11-12

This half-year (0.5 credit) course is designed for students interested in environmental topics such as wild and marine life, water resources, forests and plant life, and propagation principles. Hands-on activities include using the classroom greenhouse and Pinkerton Academy Campus to explore and gain knowledge in a variety of habitats and ecosystems. This course is connected to CTSO FFA and Student Activity SEA.
Note: Students take concurrently with Exploring Plant & Animal Science for the first semester.
Prerequisite(s): CTE Application

Horticulture and Landscaping TBD

CCP

Half Year

0.5 Credits

Gr. 11-12

This half-year (0.5 credit) course offers a comprehensive exploration of the vital role and rich diversity of horticulture. Students delve into botany, plant growth, plant materials, floriculture, landscape design, and maintenance while gaining insight into various horticulture occupations. Through hands-on activities and projects, they develop practical skills in plant propagation, landscaping, and floral design. This program not only prepares students for further education at two or four-year colleges but also provides them with the foundational knowledge and skills needed to embark directly on a rewarding career path in horticulture. Every student has the opportunity to enhance their skills by participating in FFA.

Note: Students take concurrently with Sustainable Living for the second semester.

Environmental Science Level II

Environmental Science: Advanced Studies TBD

CCP

Full Year

1 Credit

Gr. 11-12

This semester (1 credit) course meets every day. It is for students who wish to further their knowledge and skills in environmental science. Activities include analyzing and applying the skills acquired in classes like Biology, Environmental, Animal science and other ecological sciences. This course will teach students to apply knowledge to global ecosystems, native & invasive wildlife and plants, drinking water and pollution. Students will deploy game cameras on campus to study and understand the diversity of Pinkerton. Students will obtain Industry certifications in outdoor safety. College articulations are available. Related student organizations: FFA and SEA.

Note: Students take this first semester.

Prerequisite(s): Successful completion of Environmental Science 1 and permission from the CTE Director.

Environmental Science: Work Based Learning / SAE TBD

CCP

Full Year

1 Credit

Gr. 11-12

This full-year (1 credit) course meets every day. It is for students who wish to further their knowledge and skills in environmental science. Activities include analyzing and applying the skills acquired in classes like Biology, Environmental, Animal science and other ecological sciences. This course will teach students to apply knowledge to global ecosystems, native & invasive wildlife and plants, drinking water and pollution. Students will deploy game cameras on campus to study and understand the diversity of Pinkerton. They will participate in a citizenship science project that focuses on responsible stewardship of the environment. There are many hands-on activities and chances to develop industry relations with maple syrup production, NH Fish and Game, NH Audubon, Manchester Water Works and Forsaith Forest in Chester. Students will obtain Industry certifications in outdoor safety. College articulations are available. Related student organizations: FFA and SEA.

Note: Students take this second semester.
Prerequisite(s): Completion of Environmental Science: Advanced Studies CT0672 with an grade of a minimum of 80%

Evening Division

The Evening Division program offers students a way to learn outside of the traditional school day. Most Evening Division students are taking classes during the daytime as well. Many students use Evening Division courses to supplement their educational program, while others are 'catching up' with their credit status. Students in these classes, which utilize the same curricula and many of the same teachers as the day school program, earn CCP credit towards a Timberlane Regional High School diploma. Students wishing to complete their education solely in the evening must complete the exact same requirements as students in the day program. Those interested should contact their school counselor for a schedule of the classes, requirements for entry, and restrictions on the number of absences. Most classes meet one evening a week, from 4:00—7:00 pm. Specific class offerings are finalized in August and December of each school year. For more information, please contact the School Counseling office at the high school.

Courses typically offered through Evening Division (subject to change):

Course Descriptions:

ART

Foundations of Art 001

CCP
Spring
.5 Credit
Gr. 9-12

Fundamental two-dimensional and three-dimensional art and design will be investigated. Elements of art, drawing and painting skills, expressive ideas and imaginative thinking will be reinforced. Introduction to artists and techniques both contemporary and historic are included to enhance understanding. ***Foundations of Art is a prerequisite to all other Art Department courses.***

BUSINESS

Microsoft Office Essentials 108

CCP
Spring
.5 Credit
Gr. 9-12

This hands-on course is designed to develop proficiency in Microsoft Office and enhance decision making, productivity communication and problem solving skills. Instructional strategies include computer/technology applications, interdisciplinary and/or culminating projects, problem solving and critical thinking activities. Integral to the course will be student creation and design of original documents. This course meets computer requirements for graduation.

ENGLISH

World Literature 221

CCP
Fall
1 Credit
Gr. 10-12

In this course, students will explore world literature that is chosen for its relevance as an expression of human thought and its relationship to students' own experiences. Students will learn to analyze texts and research, understand the societies from which they emerged, and recognize the roles those societies played in shaping today's world. Literature will represent a variety of genres and cultures. Students will continue to develop skills through vocabulary development, informational writing, argumentative writing, research, and oral presentations.

American Literature 218

CCP
Spring
1 Credit
Gr. 11-12

This course focuses on the major movements of American Literature including: Puritanism, Romanticism, Realism, Modernism, and Post-Modernism. A variety of texts will be read including: poetry, drama, fiction, and non-fiction that also correspond to the major movements in US history. Students will continue to develop skills through vocabulary study, literary analysis, and composition. A major research paper is an expectation of all students in this course.

Expository Writing 217

CCP

Fall

.5 Credit

Gr. 11-12

Expository Writing is a course in nonfiction writing designed to foster critical and complex thinking. Students will compose a variety of analytical essays in the following genres: personal, definition, compare and contrast, persuasive, and research. Throughout the course, emphasis will be placed on prewriting, revision and frequent peer and teacher conferences. In addition, the class will read the work of the professional authors as a means of exploring writing strategies and of understanding the links between reading and writing. Regular and varied reading of informational texts and nonfiction is also required. Vocabulary development will be a regular feature of this course.

The Short Story and Its Writer 255

CCP

Spring

.5 Credit

Gr. 11-12

Students in this course will trace the development of the art of short story writing from the nineteenth century and twentieth century. Students will study a number of authors and literary movements. Writing skills such as character development, construction of plot, point of view, setting, and figurative language, will be developed through analysis and practice. Students will complete analytical, argumentative and research based essay writing. In addition to the texts that are read and the writing that is completed, class discussions, grammar study, and vocabulary study will be integral components of the course.

HEALTH AND PHYSICAL EDUCATION

Intro to Physical Education 405

CCP

Fall/Spring

.5 Credit

Gr. 10-12

This course will cover the 5 Components of Physical Fitness (Cardio-vascular endurance, muscular strength, muscular endurance, flexibility, and body composition). Students will engage in a variety of activities such as, but not limited to; strength training, yoga, interval training, plyometric workouts, and dance. Students will take responsibility for their own personal fitness levels. Individual fitness plans will be developed and monitored throughout the course.

Health I 402

CCP

Fall

.5 Credit

Gr. 9-12

The Health I course is designed to provide students with current information regarding the dimensions of health while giving them an opportunity to apply necessary skills for the future to be a healthy person. The topics students will be learning include, but are not limited to: Personal Health and Skills, Mental and Emotional Health, First Aid, CPR and AED, Alcohol, Tobacco, and Other Drugs, Nutrition, and Human Sexuality. The goal of this course is to explore major health topics and help students develop the necessary skills to achieve and maintain high-levels of health.

Health II 412

CCP

Spring

.5 Credit

Gr. 10-12

Health II will take a deeper look at many of the course topics that were introduced in Health I. These topics may include but are not limited to: Eating Disorders, Addiction and Recovery, Healthy Relationships, and refresh skills in CPR and using an AED. Hands on activities, discussions, technology, and project based learning will be a large component of this class. Students will also be required to complete a service learning component. ***Prerequisite: Successful completion of Health I.***

MATH

Algebra I 609

CCP
Fall
1 Credit
Gr. 10-12

Students in Algebra I—CCP will develop problem-solving skills through the use of algebra, functions, relations, and analysis. Students will become fluent in algebraic simplification, solving equations, inequalities, and systems, and analyzing and transforming both linear and non-linear functions. Models, tables, equations, and graphs will form a basis for interpreting and analyzing data. Students will be expected to effectively communicate their processes both orally and in writing and to critique the reasoning of others. This course solidifies the foundation for all future math courses.

Applied Geometry 616

CCP
Fall/Spring
1 Credit
Gr. 10-12

This course is designed to support students who have had difficulty with the Algebra I concepts. Applied Geometry will engage and challenge students with all the topics presented in a traditional geometry program. These topics include angle and segment measurement, triangles, quadrilaterals, congruency, parallelism, similarity, circles, and an introduction to trigonometry. The program is designed to appeal to all learners with topics introduced by using hands-on activities that reflect real-life applications. Technological tools and Internet-based resources will be an integral part of classroom activities. ***Prerequisite: Successful completion of Algebra I.***

Algebra II—Part 1 623

CCP
Fall/Spring
1 Credit
Gr. 11-12

This course provides the student with the basic algebra manipulation skills needed to compute solutions. The algebra topics offered are signed numbers, polynomial operations, solutions of linear equations and inequalities involving numerical and literal terms, factoring polynomials, word problems, formula manipulation, graphing linear equations, systems of linear equations and equations by factoring or the quadratic formula as well as quadratic equations and exponential functions. ***Prerequisites: Successful completion of Algebra I and Geometry.***

SCIENCE

Physical Science 707

CCP
Fall
1 Credit
Gr. 10-12

The purpose of this course is to provide a comprehensive introduction to the foundational concepts of physics and chemistry. This course is designed to serve as a prerequisite for other science courses.

Applied Biology 713

CCP
Spring
1 Credit
Gr. 10-12

This course involves the practical application of biological concepts to everyday life. Students will learn to be global citizens by studying topics such as environmental issues, animal husbandry, horticulture, and new advances in genetic engineering.

Environmental Science 721

CCP
Fall
.5 Credit
Gr. 11-12

This course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human -made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students will take part in outdoor laboratory experiences and gain hands-on experience in environmentally related topics. ***Prerequisite: Successful completion of Physical Science and Biology or Departmental approval.***

Introduction to Meteorology 723

CCP
Half Year
.5 Credit
Gr. 11-12

This course provides a survey of weather study including topics such as history of weather observations, atmospheric structure and composition, earth-sun relationships, air pressure and winds, cloud formation, air masses and resulting precipitation. Weather phenomena, such as hurricanes and tornadoes are investigated and the study of climates is introduced. ***Prerequisite: Successful completion of two years of science.***

SOCIAL STUDIES

World History 811

CCP
Fall
1 Credit
Gr. 10-12

World History builds upon the learning from the middle school curriculum and begins with a study of the Renaissance, moving into the Enlightenment, Age of Exploration and eventually into the 21th Century. This course includes units relating to events in Europe, Asia, Africa and the Americas. Students will be asked to use their classroom learning to interpret historical events. Analysis of primary sources, Internet and library-based research, field trips, reading from the text and other sources, film analysis and classroom discussions are all possible learning techniques.

United States History 809

CCP

Spring

1 Credit

Gr. 11-12

United States History builds upon the learning from the middle school curriculum and begins with a study of the end of the Civil War. This course takes an in-depth look at the events of the last part of the 19th Century, all of the 20th Century, and uses that learning to analyze the events of the first decade of the 21st Century. Students will be asked to join in classroom discussion, read outside of class, think creatively and write about their learning. A particular emphasis will be placed on the process of researching and writing a long-form paper.

American Values in Film and Music 841

CCP

Spring

.5 Credit

Gr. 11-12

This course used film and music to examine traditional and contemporary American values and ethical issues. Students will be able to explain how American values are represented in mass media and how they are perceived by outside sources. Personal traits of courage, love, family and integrity, in addition to social issues of racism, morality, freedom of religion, altruism and social justice will be explored. Because movies and television are filled with historical inaccuracies, the purpose of the course will not be to teach history but to use film and popular music as a vehicle for the students to examine and analyze society and themselves. Students may contract for accelerated credit.

Cultural Geography 823

CCP

Fall

.5 Credit

Gr. 11-12

This course deals with the interconnectivity of culture, politics, economics, religion, and human perception and regionalization. Students will recognize that places and regions serve as symbols for individuals and societies. Students will distinguish how cultural traits shape the characteristics of a region, analyze the increasing interdependence of the world's countries, and demonstrate how cooperation and conflict are involved in shaping the distribution of social, political, and economic spaces on Earth. Students will also explain the results of globalization and how changes in the physical environment can

Current Issues 843

CCP

Spring

.5 Credit

Gr. 11-12

This course will provide the students with a perspective of events and trends in the world as well as a contemporary view of history in the making. The development of communication, critical-thinking, decision-making, research and geography skills will center around strong student interaction. General topics include political, economic, and social trends, the environment, crime and international relations, and current world events.

Pre-K: Language Development: Writing

Stage 1 Desired Results

ESTABLISHED GOALS:

Competencies:

- ***Students will demonstrate the ability to use pictures, words, or dictation in order to express their ideas, wants and needs.***

Content Standards:

Emergent Reading

- Recognize some letters in the alphabet, especially those in their own name
- Begin to associate sounds with words or letters
- Understand that specific symbols are used to communicate in writing
- Understand that writing is a way of communicating
- Use scribbles, shapes, pictures, or dictation to represent thoughts or ideas
- Engage in writing using letter-like symbols to make letters or words
- Begin to copy or write their own name

Transfer

Students will be able to independently use their learning to ***communicate.***

Meaning

ENDURING UNDERSTANDINGS

Students will understand that…

- letters represent sounds and are used to make up words.
- words represent ideas and are used for communication.

ESSENTIAL QUESTIONS

- Why is communication important?
- What is the difference between a letter and a word?

Acquisition

Students will know…

- that letters make up words.
- that letters and letter combinations in written language stand for sounds and words in spoken language.
- that writing is a way of communicating.
- that thoughts and ideas can be represented using different forms such as letters, pictures, shapes or scribbles.

vocabulary: alphabet, letter, number, picture, sound, symbol, word

Students will be skilled at…

- recognizing some letters in the alphabet in the environment, especially those in their own name.
- beginning to associate sounds with words or letters.
- distinguishing between uppercase and lowercase letters and numbers in written text.
- understanding that specific symbols, called letters, are used to communicate in writing.
- using scribbles, shapes, pictures, or dictation to represent thoughts or ideas, letters, or words.
- beginning to copy or write their own name with gross motor activities (e.g., in sand, shaving cream, with playdough, etc.).

Content Area Literacy Standards

not applicable

21st Century Skills

- *Communication*
- *Information and media literacy*
- *Creativity and innovation*

Stage 2 - Evidence

Evaluative Criteria	***Assessment Evidence***
	PERFORMANCE TASK(S):
	OTHER EVIDENCE:

Stage 3 – Learning Plan	
Summary of Key Learning Events and Instruction	
Language Arts Integration	***Mathematics Integration***
Technology Integration	***District Materials***

NH School Administrative Unit 106 | Timberlane Regional School District
30 Greenough Road, Plaistow, NH 03865 Voice: (603) 382-6119 Fax: (603) 382-3334
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EXECUTIVE SUMMARY

Water Service RFP – December 19, 2024

As was reported earlier this year, Pennichuck Water Service Corporation is divesting in roughly 40 water systems as of December 31, 2024. An RFP for water services was due on November 26, 2024, to replace our long-term vendor. Several interested parties were sent the RFP, in addition to our normal posting procedures. Two water service companies responded, and the results are as follows:

1. WhiteWater Water and Wastewater Solutions

Contract Period	Annual Service Charge	Monthly Service Charge
2025-2026	$37,725.00	$3,143.75
2026-2027	$39,045.38	$3,253.78
2027-2028	$40,411.96	$3,367.66
2028-2029	$41,826.38	$3,485.53
2029-3030	$43,290.31	$3,607.53

2. Aqua Clear Water Solutions

Contract Period	Annual Service Charge	Monthly Service Charge
2025-2026	$18,900.00	$1,575.00
2026-2027	$19,656.00	$1638.00
2027-2028	$20,448.00	$1,704.00
2028-2029	$21,264.00	$1,772.00
2029-3030	$22,116.00	$2,252.00

After careful consideration and consultation with Facilities staff, we propose moving forward with WhiteWater Water and Wastewater Solutions. The rationale for this choice is as follows:

1. WhiteWater was established in 1982 vs. Aqua Clear is a new business as of 2024.
2. WhiteWater employs 95 individuals vs. Aqua Clear employs two.
3. WhiteWater's proposal was comprehensive, including testing materials and other supplies. This was not noted in Aqua Clear's response.
4. Note the introductory letter provided by WhiteWater in their proposal.

Respectfully submitted,

Dr. Chris Martin
Executive Director of Operations & Special Projects

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EXECUTIVE SUMMARY

December 19, 2024

FY2026 Tuition Rates

Listed below are the 2025-2026 tuition rates.

FY2026 Preschool Tuition Rates

Level	Program	Tuition	
		Annually	Monthly
Preschool (3s)	5 half days per week, AM or PM sessions	$ 2,200	$ 220
Pre Kindergartner (4s)	5 half days per week, AM or PM sessions	$ 2,200	$ 220
Half Day Kindergartner	5 half days per week, school based offerings for AM or PM	Free	Free
Full Day Kindergartner	5 days per week	$ 4,500	$ 450

FY2026 Out of District Tuition Rates

Grade	FY2026	FY2025	FY2024
Kindergartner	$ 11,700	$ 11,100	$ 10,500
Elementary	$ 22,900	$ 21,700	$ 20,600
Middle School	$ 21,500	$ 20,400	$ 19,300
High School	$ 22,000	$ 20,900	$ 19,800
Special Education*	$ 44,600	$ 42,300	$ 40,100

**Special Education rate does not include costs associated with specialized services, specialized transportation, or one-to-one assistance*

Y:\Finance\TRSD\Tution Rate\FY2025\FY2025 Tuition Rate Calculation

If these rates meet with your approval, kindly accept the same by Motion and Vote. Should it be easier, feel free to motion to accept “the FY2026 tuition rates presented to the School Board on December 19,2024”.

I am happy to address any questions you may have.

Respectfully Submitted By:
Maria Watkins, CFO/Business Administrator

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TRSD POLICY COMMITTEE'S RECOMMENDATIONS TO THE SCHOOL BOARD

December 19, 2024

First Read

Policy	Changes/Recommendations
JLP - Parental Notification of and Involvement in Student Welfare	TRSD does not currently have this policy. Required by law. NHSBA sample policy language.

Timberlane Regional School District	Policy Code: JLP
Adopted:	Page 1 of 1

Parental Notification of and Involvement in Student Welfare

Pursuant to New Hampshire RSA 186:11, IX-e, the District will not adopt policies, procedures, or student support forms that prohibit District personnel from answering questions from a parent/guardian about that parent's/guardian's student's mental, emotional, or physical health or well-being, sexuality, or a change in related services or monitoring, or that have the effect of encouraging a student to withhold from a parent/guardian such information.

District personnel will not discourage or prohibit parental/guardian notification of and involvement in critical decisions affecting that parent's/guardian's student's mental, emotional, or physical health or well-being.

The Superintendent is authorized to adopt procedures that permit District personnel to withhold any of the above information from a parent if a reasonably prudent person would believe that such disclosure would result in abuse, abandonment, or neglect of a student or other child as those terms are defined in RSA 169-C:3.

To the extent that any other school board/district/school/class policy, procedure, rule or regulation, conflicts with the above, this policy shall supersede - but not otherwise impact - such policy, procedure, rule or regulation.

References:
RSA 169-C:3 Definitions
RSA 186:11, IX-e Notice to Parents/Guardian Required

2025 Timberlane Regional School District Warrant
State of New Hampshire

To the inhabitants of the School District of the Towns of Atkinson, Danville, Plaistow, and Sandown, New Hampshire, qualified to vote in District affairs:

First Session of Annual Meeting (Deliberative)
You are hereby notified to meet at the Timberlane Performing Arts Center, 40 Greenough Road, Plaistow, New Hampshire, on Thursday, the 6th day of February 2025, at 7:00 p.m. This session shall consist of explanation, discussion, and debate of warrant articles number 2 through number X. Warrant articles may be amended subject to the following limitations: (a) warrant articles whose wording is prescribed by law shall not be amended, (b) warrant articles that are amended shall be placed on the official ballot for a final vote on the main motion, as amended, and (c) no warrant article shall be amended to eliminate the subject matter of the article.

Second Session of Annual Meeting (Voting)
Voting on warrant articles number 1 through number X will be conducted by official ballot to be held in conjunction with town meeting voting to be held on Tuesday, the 11th day of March 2025, at the Town election polls in Atkinson, Danville, Plaistow, and Sandown, New Hampshire.

Atkinson	Voting will be conducted at the Atkinson Community Center from 7 a.m.-8 p.m.
Danville	Voting will be conducted at the Danville Community Center from 8 a.m.-8 p.m.
Plaistow	Voting will be conducted at the Plaistow Fish and Game Club from 7 a.m.-7 p.m.
Sandown	Voting will be conducted at the Sandown Town Hall from 8 a.m.-8 p.m.

Article 1 – Election of Officers
To choose the following school district officers:

Danville Voters	School Board Member	3-Year Term
Plaistow Voters	School Board Member	3-Year Term
Sandown Voters	School Board Member	3-Year Term
Danville Voters	Budget Committee Member	3-Year Term
Plaistow Voters	Budget Committee Member	3-Year Term
Sandown Voters	Budget Committee Member	3-Year Term

Article 2 – Operating Budget

Shall the voters of the School District raise and appropriate as an operating budget, not including appropriations by special warrant articles and other appropriations voted separately, the amounts set forth on the budget posted with the warrant or as amended by vote of the first session, for the purposes set forth therein, totaling **$X**? Should this article be defeated, the operating budget shall be **$X**, which is the same as last year, with certain adjustments required by previous action of the Timberlane Regional School District or by law; or the governing body may hold one special meeting, in accordance with RSA 40:13, X and XVI, to take up the issue of a revised operating budget only. Note: Warrant Article 2 (the operating budget) does not include appropriations proposed under any other warrant articles. (MAJORITY VOTE REQUIRED)

Recommended by the School Board
Recommended by the Budget Committee

Article 3 – 2.5% Tax Cap on Operating Budget by Petition

Shall the Timberlane Regional School District (TRSD) vote to adopt the provisions of RSA 32:5-b, and implement a tax cap whereby the governing body and budget committee shall not submit a recommended budget that increases the amount to be raised by local taxes, based on the prior fiscal year's actual amount of local taxes raised, by more than 2.5%. (MAJORITY VOTE REQUIRED)

Recommended by the School Board
Recommended by the Budget Committee

Article 4 – Lease Purchase Agreement by Petition

Shall the Timberlane Regional School District (TRSD) vote to rescind and terminate the March 14, 2023 adoption of Article-3 Lease Purchase Agreement of $25,243,000 as authorized by TRSD.

Recommended by the School Board
Recommended by the Budget Committee

Article 5 – Fund Balance Retention by Petition

Shall the Timberlane Regional School District (TRSD) vote to rescind the March 14, 2023 adoption of Article-15 Fund Balance Retention of 5% as authorized by TRSD.

Recommended by the School Board
Recommended by the Budget Committee

Article 6 – X Year Collective Bargaining Agreement (Timberlane Custodians' Union)

Shall the voters of the School District approve the cost items included in the collective bargaining agreement reached between the Timberlane Custodians' Union and the Timberlane Regional School Board, which calls for the following increases in salaries and benefits at the current staffing levels over the amount paid in the prior fiscal year:

Fiscal Year
Estimated Increase
X-Year Total

And further to raise and appropriate the sum of **$X** for the 2025-26 fiscal year, such sum representing the additional costs attributable to the increase in salaries and benefits required by the new agreement over those that would be paid at the current staffing levels? (MAJORITY VOTE REQUIRED)

Recommended by the School Board
Recommended by the Budget Committee

Article 7 – Authorization for Special Meeting on Cost Items

Shall the voters of the School District, if Article 6 is defeated, authorize the Timberlane Regional School Board to call one special meeting, at its option, to address Article 6 cost items only? (MAJORITY VOTE REQUIRED)

Recommended by the School Board

Article 8 – X Year Collective Bargaining Agreement (Timberlane Cafeteria Workers' Union)

Shall the voters of the School District approve the cost items included in the collective bargaining agreement reached between the Timberlane Cafeteria Workers' Union and the Timberlane Regional School Board, which calls for the following increases in salaries and benefits at the current staffing levels over the amount paid in the prior fiscal year:

Fiscal Year
Estimated Increase
X-Year Total

And further to raise and appropriate the sum of **$X** for the 2025-26 fiscal year, such sum representing the additional costs attributable to the increase in salaries and benefits required by the new agreement over those that would be paid at the current staffing levels? (MAJORITY VOTE REQUIRED)

Recommended by the School Board
Recommended by the Budget Committee

Article 9 – Authorization for Special Meeting on Cost Items

Shall the voters of the School District, if Article 8 is defeated, authorize the Timberlane Regional School Board to call one special meeting, at its option, to address Article 8 cost items only? (MAJORITY VOTE REQUIRED)

Recommended by the School Board

Article 10 – General Acceptance of Reports

Shall the voters of the School District accept reports of agents, auditors, and committees as written in the 2024 Annual Report? (MAJORITY VOTE REQUIRED)

Recommended by the School Board

Article 11 – Capital Reserve Fund by Surplus

Shall the voters of the School District raise and appropriate up to **$250,000** to be placed in the School Building Construction, Reconstruction, Capital Improvement and Land Purchase Capital Reserve Fund established in 1996, with such amount to be transferred from those funds in the June 30, 2025 unassigned fund balance available for transfer on July 1 of this year which were apportioned as Capital Expenses in 2024-2025 in accordance with Article 6 of the Timberlane Regional School District Articles of Agreement? No amount to be raised by additional taxation. (MAJORITY VOTE REQUIRED)

Recommended by the School Board

Recommended by the Budget Committee

Timberlane Regional School District
FY2026 Default Budget

Salaries	24,928,040
Benefits	25,926,547
Operating	40,971,255
FY2025 Voted Budget	**91,825,843**

Admin Salaries	225,677	1
Teacher Salaries	1,089,838	2
Nurses Salaries	36,549	3
Paraeducators Salaries	(75,572)	4
Staff Salaries	115,660	5
Insurance	(1,196,067)	6
FICA	106,504	7
Employee Retirement	(51,255)	8
Teacher Retirement	(284,245)	9
Sped Contracted Services	108,000	10
Transportation	456,279	11
Tuition Vocational / Other LEAs	123,000	12
Sped Tuition	(836,677)	13
Special Education	(57,850)	14
Transfer to Food Service	(316,811)	15
Transfer to Federal Projects	(100,000)	16
Transfer to PAC Programs	(32,500)	17
New Equipment	(48,864)	18
Replacement Equipment	(127,243)	19
Replacement Computer/Network Equipment	(86,680)	20
Total Adjustments	**(952,260)**	

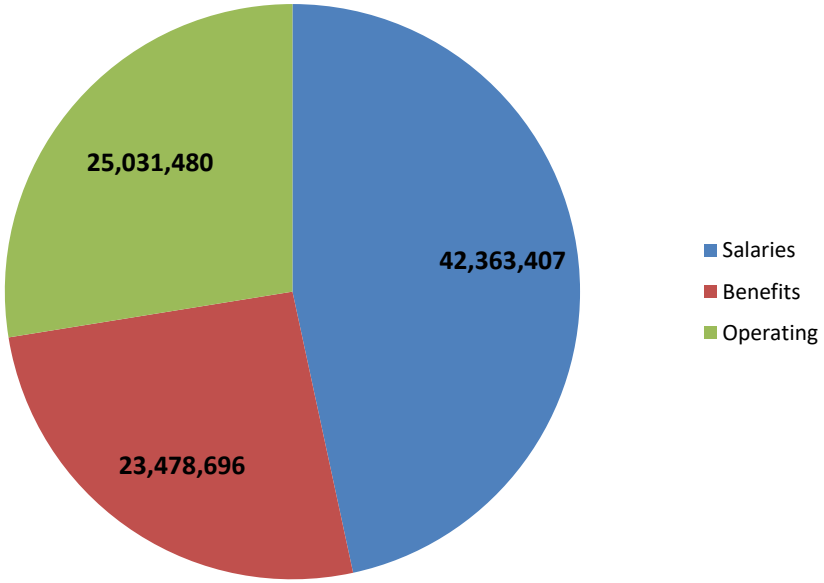
FY2026 Default Budget **(including capital reserve contribution)**	**90,873,583**
Increase / Decrease %	**-1.0%**
Capital Reserve Contributuion	(250,000)
FY2026 Default Budget	**90,623,583**

1	Increase for TAU union as voted & Non-union pool	225,677
2	Increase for TTA union as voted offset by a decrease due to 4.5 eliminated positions	1,089,838
3	Increase for TTA union as voted - Nurses	36,549
4	Increase for TSSU union as voted offset by a decrease due to 13 eliminated positions	(75,572)
5	Increase for TAAM & IT union as voted	115,660
6	Health/ Dental GMR	(1,234,884)
	Workers' Comp. Insurance	14,537
	Property & Liability Insurance	16,670
	Student Athletic Insurance	7,610
7	FICA adjustment to projected salaries	106,504
8	Reflects a 6% decrease in NHRS contribution rate. Rate went from 13.53% to 12.75%	(51,255)
9	Reflects a 2% decrease in NHRS contribution rate. Rate went from 19.64% to 19.23%	(284,245)
10	Contracted Services - Psychology	(25,000)
	Contracted Services - Sped	105,000
	Contracted Services - Speech	28,000
11	Sped Transportation	301,854
	Regular Transportation	144,535
	Athletics Transportation	9,889
12	Tuition to Other LEAs Within the State	23,000
	Vocational Education	100,000
13	Out of District Tuition Elementary	(251,000)
	Out of District Tuition Middle School	161,928
	Out of District Tuition High School	(747,605)
14	Special Education Others (PD, supplies, books, software)	(57,850)
15	Decreased to closely reflect actuals	(316,811)
16	Decreased to closely reflect actuals	(100,000)
17	Decreased to closely reflect actuals	(32,500)
18	Reflects a reduction due to Classroom Tables at SN, Gator Utility Vehicle, Turf Aerator and Carpet Extractors	(48,864)
19	Reflects a reduction due to Classroom Tables at SN, Wrestling Mats, Replacement Vehicle, Ohaus Navigator Electric Balance	(127,243)
20	Phone System Replacement, Sped replacement equipment	(86,680)

Timberlane Regional School District

FY2026 Default Budget

	Default FY2026	Voted FY2025	Change	
Salaries	42,363,407	41,508,293	855,114	2.1%
	46.6%	*45.2%*		
Benefits	23,478,696	24,646,098	(1,167,402)	-4.7%
	25.8%	*26.8%*		
Operating	25,031,480	25,671,452	(639,972)	-2.5%
	27.5%	*28.0%*		
Total Budget	90,873,583	91,825,843	(952,260)	-1.0%



FY2025 Voted Budget Recap

Warrant Article #2	$89,120,265
Operating Budget	
Account(s): Miscellaneous	
Warrant Article #3	$2,427,107
TTA CBA	
Account(s): Miscellaneous	
Warrant Article #5	$250,000
Captal Reserve Contribution	
Account(s): 5250.930.01.33	
Warrant Article #8	$28,471
TAAM/IT CBA	
Account(s): Miscellaneous	
Total Voted Budget:	**$91,825,843**
Minus Capital Reserve Contribution	($250,000)
Tota w/o Capital Reserve Contribution:	**$91,575,843**

Timberlane Regional School District

Budget - TRSD

Fiscal Year: 2024-2025

☐ Print accounts with zero balance ☐ Round to whole dollars ☐ Account on new page
☐ Exclude inactive accounts with zero balance

From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.1100.112.00.00.0.00000	Salaries-Teachers	$18,572,663.05	$17,610,237.75	$962,425.30
100.1100.114.00.00.0.00000	Educational Assistants Salaries	$1,776,559.99	$1,747,841.31	$28,718.68
100.1100.115.00.00.0.00000	Office Salaries	$47,645.18	$46,016.20	$1,628.98
100.1100.117.00.00.0.00000	Home Instruction / ESOL	$10,000.00	$10,000.00	$0.00
100.1100.122.00.00.0.00000	Substitute Salaries-Teachers	$450,000.00	$450,000.00	$0.00
100.1100.123.00.00.0.00000	Long Term Substitutes	$190,000.00	$190,000.00	$0.00
100.1100.320.00.00.0.00000	Professional Edu Services	$3,950.00	$3,950.00	$0.00
100.1100.330.00.00.0.00000	Other Professional Services	$32,300.00	$32,300.00	$0.00
100.1100.430.00.00.0.00000	Repair and Maintenance	$59,845.00	$59,845.00	$0.00
100.1100.550.00.00.0.00000	Printing	$2,500.00	$2,500.00	$0.00
100.1100.561.00.00.0.00000	Tuition-Other LEA's in State	$68,000.00	$45,000.00	$23,000.00
100.1100.580.00.00.0.00000	Travel/Workshops	$8,000.00	$8,000.00	$0.00
100.1100.610.00.00.0.00000	Supplies	$539,857.96	$539,857.96	$0.00
100.1100.640.00.00.0.00000	Books & Info Resources	$56,792.00	$56,792.00	$0.00
100.1100.643.00.00.0.00000	Information Access Fees	$349,964.00	$349,964.00	$0.00
100.1100.650.00.00.0.00000	Software	$107,698.00	$107,698.00	$0.00
100.1100.733.00.00.0.00000	New Equipment	$89,419.86	$91,913.00	($2,493.14)
100.1100.734.00.00.0.00000	New Computer/Netwk Equip	$50,000.00	$50,000.00	$0.00
100.1100.737.00.00.0.00000	Replacement Equipment	$80,054.00	$101,535.24	($21,481.24)

Budget - TRSD

Fiscal Year: 2024-2025

☐ Print accounts with zero balance ☐ Round to whole dollars ☐ Account on new page
☐ Exclude inactive accounts with zero balance

From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.1100.738.00.00.0.00000	Replacement Computer/Netwrk	$328,710.00	$385,390.00	($56,680.00)
100.1100.810.00.00.0.00000	Dues and Fees	$32,960.00	$32,960.00	$0.00
FUNC: REGULAR EDUCATION - 1100		$22,856,919.04	$21,921,800.46	$935,118.58
100.1200.111.00.00.0.00000	Administrative Salaries	$335,829.31	$325,416.00	$10,413.31
100.1200.112.00.00.0.00000	Teacher/Specialist Salaries	$4,326,336.72	$4,180,837.17	$145,499.55
100.1200.114.00.00.0.00000	Educational Assistants Salaries	$3,037,530.65	$3,125,232.25	($87,701.60)
100.1200.115.00.00.0.00000	Office Salaries	$114,200.15	$110,102.20	$4,097.95
100.1200.117.00.00.0.00000	Home Instruction / ESOL	$31,000.00	$31,000.00	$0.00
100.1200.124.00.00.0.00000	Substitute Salaries-Assistants	$55,000.00	$55,000.00	$0.00
100.1200.320.00.00.0.00000	Professional Edu Services	$3,000.00	$7,500.00	($4,500.00)
100.1200.330.00.00.0.00000	Other Professional Services	$1,530,000.00	$1,425,000.00	$105,000.00
100.1200.430.00.00.0.00000	Repair and Maintenance	$5,000.00	$50,000.00	($45,000.00)
100.1200.564.00.00.0.00000	Tuition-Private	$2,773,323.00	$3,610,000.00	($836,677.00)
100.1200.580.00.00.0.00000	Travel/Workshops	$1,400.00	$4,200.00	($2,800.00)
100.1200.610.00.00.0.00000	Supplies	$46,750.00	$59,550.00	($12,800.00)
100.1200.640.00.00.0.00000	Books & Info Resources	$8,000.00	$10,000.00	($2,000.00)
100.1200.643.00.00.0.00000	Information Access Fees	$55,000.00	$59,000.00	($4,000.00)
100.1200.650.00.00.0.00000	Software	$500.00	$3,500.00	($3,000.00)
100.1200.733.00.00.0.00000	New Equipment	$5,500.00	$1,400.00	$4,100.00

Budget - TRSD

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.1200.737.00.00.0.00000	Replacement Equipment	$1,000.00	$700.00	$300.00
100.1200.738.00.00.0.00000	Replacement Computer/Netwrk	$0.00	$30,000.00	($30,000.00)
FUNC: SPECIAL EDUCATION - 1200		$12,329,369.83	$13,088,437.62	($759,067.79)
100.1260.117.00.00.0.00000	Home Instruction / ESOL	$99,762.40	$94,790.40	$4,972.00
100.1260.330.00.00.0.00000	Other Professional Services	$2,000.00	$2,000.00	$0.00
100.1260.580.00.00.0.00000	Travel/Workshops	$1,500.00	$1,500.00	$0.00
100.1260.610.00.00.0.00000	Supplies	$600.00	$600.00	$0.00
100.1260.643.00.00.0.00000	Information Access Fees	$750.00	$750.00	$0.00
FUNC: BILINGUAL EDUCATION - 1260		$104,612.40	$99,640.40	$4,972.00
100.1300.561.00.00.0.00000	Tuition-Other LEA's in State	$270,000.00	$170,000.00	$100,000.00
FUNC: VOCATIONAL EDUCATION - 1300		$270,000.00	$170,000.00	$100,000.00
100.1410.112.00.00.0.00000	Teacher/Specialist Salaries	$172,600.00	$172,600.00	$0.00
100.1410.610.00.00.0.00000	Supplies	$59,100.00	$59,100.00	$0.00
100.1410.810.00.00.0.00000	Dues and Fees	$16,245.00	$16,245.00	$0.00
100.1410.890.00.00.0.00000	Miscellaneous Expense	$43,000.00	$43,000.00	$0.00
FUNC: STUDENT ACTIVITIES - 1410		$290,945.00	$290,945.00	$0.00
100.1420.111.00.00.0.00000	Administrative Salaries	$128,471.62	$124,488.00	$3,983.62

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.1420.112.00.00.0.00000	Teacher/Specialist Salaries	$314,125.00	$314,125.00	$0.00
100.1420.115.00.00.0.00000	Office Salaries	$48,617.35	$46,563.80	$2,053.55
100.1420.330.00.00.0.00000	Other Professional Services	$4,800.00	$4,800.00	$0.00
100.1420.390.00.00.0.00000	Game Expenses	$131,005.00	$131,005.00	$0.00
100.1420.430.00.00.0.00000	Repair and Maintenance	$4,000.00	$4,000.00	$0.00
100.1420.520.00.00.0.00000	Insurance	$19,110.00	$11,500.00	$7,610.00
100.1420.580.00.00.0.00000	Travel/Workshops	$1,000.00	$1,000.00	$0.00
100.1420.610.00.00.0.00000	Supplies	$82,200.00	$82,200.00	$0.00
100.1420.643.00.00.0.00000	Information Access Fees	$20,445.00	$20,445.00	$0.00
100.1420.737.00.00.0.00000	Replacement Equipment	$12,500.00	$18,523.00	($6,023.00)
100.1420.810.00.00.0.00000	Dues and Fees	$10,940.00	$10,940.00	$0.00
100.1420.880.00.00.0.00000	Miscellaneous Expense	$14,000.00	$14,000.00	$0.00
100.1420.890.00.00.0.00000	Miscellaneous Expense	$49,300.00	$49,300.00	$0.00
FUNC: ATHLETICS - 1420		$840,513.97	$832,889.80	$7,624.17
100.1430.112.00.00.0.00000	Teacher/Specialist Salaries	$39,329.00	$39,329.00	$0.00
100.1430.320.00.00.0.00000	Professional Edu Services	$4,000.00	$4,000.00	$0.00
100.1430.610.00.00.0.00000	Supplies	$300.00	$300.00	$0.00
FUNC: SUMMER SCHOOL - 1430		$43,629.00	$43,629.00	$0.00
100.1600.112.00.00.0.00000	Teacher/Specialist Salaries	$105,621.08	$105,621.08	$0.00

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.1600.115.00.00.0.00000	Office Salaries	$16,469.62	$15,763.54	$706.08
100.1600.320.00.00.0.00000	Professional Edu Services	$2,000.00	$2,000.00	$0.00
100.1600.610.00.00.0.00000	Supplies	$11,000.00	$11,000.00	$0.00
100.1600.640.00.00.0.00000	Books & Info Resources	$1,866.00	$1,866.00	$0.00
100.1600.643.00.00.0.00000	Information Access Fees	$18,025.00	$18,025.00	$0.00
FUNC: ALTERNATIVE/CONTINUING EDUC. - 1600		$154,981.70	$154,275.62	$706.08
100.2000.330.00.00.0.00000	Other Professional Services	$71,000.00	$71,000.00	$0.00
100.2000.643.00.00.0.00000	Information Access Fees	$10,000.00	$10,000.00	$0.00
FUNC: SUPPORT SERVICES - 2000		$81,000.00	$81,000.00	$0.00
100.2113.610.00.00.0.00000	Supplies	$1,000.00	$1,000.00	$0.00
100.2113.640.00.00.0.00000	Books & Info Resources	$1,000.00	$1,000.00	$0.00
FUNC: SOCIAL WORK SERVICES - 2113		$2,000.00	$2,000.00	$0.00
100.2122.111.00.00.0.00000	Administrative Salaries	$107,623.15	$104,286.00	$3,337.15
100.2122.112.00.00.0.00000	Teacher/Specialist Salaries	$1,274,486.45	$1,216,728.98	$57,757.47
100.2122.115.00.00.0.00000	Office Salaries	$189,070.12	$181,786.31	$7,283.81
100.2122.320.00.00.0.00000	Professional Edu Services	$24,720.90	$24,720.90	$0.00
100.2122.550.00.00.0.00000	Printing	$539.00	$539.00	$0.00
100.2122.610.00.00.0.00000	Supplies	$9,985.00	$9,985.00	$0.00

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Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2122.640.00.00.0.00000	Books & Info Resources	$1,400.00	$1,400.00	$0.00
100.2122.737.00.00.0.00000	Replacement Equipment	$0.00	$800.00	($800.00)
FUNC: GUIDANCE - 2122		$1,607,824.62	$1,540,246.19	$67,578.43
100.2134.113.00.00.0.00000	Nurses Salaries	$742,462.81	$705,913.95	$36,548.86
100.2134.115.00.00.0.00000	Office Salaries	$60,456.34	$57,819.95	$2,636.39
100.2134.290.00.00.0.00000	Other Employee Benefits	$500.00	$500.00	$0.00
100.2134.330.00.00.0.00000	Other Professional Services	$12,000.00	$12,000.00	$0.00
100.2134.340.00.00.0.00000	Technical Services	$5,000.00	$5,000.00	$0.00
100.2134.430.00.00.0.00000	Repair and Maintenance	$1,000.00	$1,000.00	$0.00
100.2134.580.00.00.0.00000	Travel/Workshops	$200.00	$200.00	$0.00
100.2134.610.00.00.0.00000	Supplies	$22,000.00	$22,000.00	$0.00
100.2134.650.00.00.0.00000	Software	$6,000.00	$6,000.00	$0.00
100.2134.733.00.00.0.00000	New Equipment	$2,200.00	$1,000.00	$1,200.00
100.2134.737.00.00.0.00000	Replacement Equipment	$1,000.00	$1,000.00	$0.00
100.2134.810.00.00.0.00000	Dues and Fees	$45.00	$45.00	$0.00
FUNC: HEALTH SERVICES - 2134		$852,864.15	$812,478.90	$40,385.25
100.2143.112.00.00.0.00000	Teacher/Specialist Salaries	$337,762.44	$350,198.82	($12,436.38)
100.2143.330.00.00.0.00000	Other Professional Services	$320,000.00	$345,000.00	($25,000.00)
100.2143.610.00.00.0.00000	Supplies	$12,000.00	$13,000.00	($1,000.00)

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2143.733.00.00.0.00000	New Equipment	$500.00	$1,000.00	($500.00)
FUNC: PSYCHOLOGICAL SERVICES - 2143		$670,262.44	$709,198.82	($38,936.38)
100.2152.112.00.00.0.00000	Teacher/Specialist Salaries	$723,730.16	$807,191.27	($83,461.11)
100.2152.114.00.00.0.00000	Educational Assistants Salaries	$183,889.21	$216,666.13	($32,776.92)
100.2152.330.00.00.0.00000	Other Professional Services	$458,000.00	$430,000.00	$28,000.00
100.2152.610.00.00.0.00000	Supplies	$10,000.00	$12,000.00	($2,000.00)
100.2152.640.00.00.0.00000	Books & Info Resources	$100.00	$500.00	($400.00)
100.2152.643.00.00.0.00000	Information Access Fees	$67,000.00	$29,000.00	$38,000.00
100.2152.733.00.00.0.00000	New Equipment	$10,000.00	$9,000.00	$1,000.00
FUNC: SPEECH - 2152		$1,452,719.37	$1,504,357.40	($51,638.03)
100.2190.112.00.00.0.00000	Teacher/Specialist Salaries	$50,000.00	$50,000.00	$0.00
FUNC: OTHER PUPIL SERVICES - 2190		$50,000.00	$50,000.00	$0.00
100.2210.112.00.00.0.00000	Teacher/Specialist Salaries	$2,100.00	$2,100.00	$0.00
100.2210.320.00.00.0.00000	Professional Edu Services	$20,000.00	$20,000.00	$0.00
100.2210.330.00.00.0.00000	Other Professional Services	$500.00	$500.00	$0.00
FUNC: IMPROVEMENT OF INSTRUCTION - 2210		$22,600.00	$22,600.00	$0.00
100.2213.111.00.00.0.00000	Administrative Salaries	$144,686.88	$136,260.00	$8,426.88

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2213.112.00.00.0.00000	Teacher/Specialist Salaries	$5,000.00	$5,000.00	$0.00
100.2213.240.00.00.0.00000	Tuition Reimbursement	$204,500.00	$204,500.00	$0.00
100.2213.320.00.00.0.00000	Professional Edu Services	$114,500.00	$127,500.00	($13,000.00)
100.2213.321.00.00.0.00000	Prof Services for Instruction	$7,500.00	$7,500.00	$0.00
100.2213.580.00.00.0.00000	Travel/Workshops	$3,000.00	$3,000.00	$0.00
100.2213.610.00.00.0.00000	Supplies	$3,000.00	$3,000.00	$0.00
100.2213.640.00.00.0.00000	Books & Info Resources	$2,000.00	$2,000.00	$0.00
FUNC: PROFESSIONAL IMPROVEMENT - 2213		$484,186.88	$488,760.00	($4,573.12)
100.2219.610.00.00.0.00000	Supplies	$200.00	$200.00	$0.00
FUNC: OTH IMPROVEMENT OF INSTRUCTION - 2219		$200.00	$200.00	$0.00
100.2222.112.00.00.0.00000	Teacher/Specialist Salaries	$467,437.64	$450,149.38	$17,288.26
100.2222.114.00.00.0.00000	Educational Assistants Salaries	$192,120.85	$183,633.80	$8,487.05
100.2222.610.00.00.0.00000	Supplies	$10,250.00	$10,250.00	$0.00
100.2222.640.00.00.0.00000	Books & Info Resources	$56,733.94	$56,733.94	$0.00
100.2222.641.00.00.0.00000	Library Periodicals	$7,082.40	$7,082.40	$0.00
100.2222.643.00.00.0.00000	Information Access Fees	$91,245.03	$91,245.03	$0.00
100.2222.733.00.00.0.00000	New Equipment	$3,468.00	$1,300.00	$2,168.00
100.2222.737.00.00.0.00000	Replacement Equipment	$2,400.00	$2,400.00	$0.00
100.2222.810.00.00.0.00000	Dues and Fees	$217.00	$217.00	$0.00

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
FUNC: SCHOOL LIBRARY SERVICES - 2222		$830,954.86	$803,011.55	$27,943.31
100.2223.430.00.00.0.00000	Repair and Maintenance	$1,450.00	$1,450.00	$0.00
100.2223.610.00.00.0.00000	Supplies	$1,950.00	$1,950.00	$0.00
100.2223.640.00.00.0.00000	Books & Info Resources	$7,400.00	$7,400.00	$0.00
100.2223.733.00.00.0.00000	New Equipment	$1,938.00	$1,900.00	$38.00
FUNC: AUDIO VISUAL - 2223		$12,738.00	$12,700.00	$38.00
100.2311.111.00.00.0.00000	Administrative Salaries	$14,000.00	$14,000.00	$0.00
FUNC: SCHOOL BOARD STIPEND - 2311		$14,000.00	$14,000.00	$0.00
100.2312.115.00.00.0.00000	Office Salaries	$6,000.00	$6,000.00	$0.00
100.2312.610.00.00.0.00000	Supplies	$320.00	$320.00	$0.00
FUNC: SCHOOL BOARD CLERK - 2312		$6,320.00	$6,320.00	$0.00
100.2313.111.00.00.0.00000	Administrative Salaries	$5,050.00	$5,050.00	$0.00
100.2313.610.00.00.0.00000	Supplies	$2,500.00	$2,500.00	$0.00
FUNC: TREASURER - 2313		$7,550.00	$7,550.00	$0.00
100.2314.340.00.00.0.00000	Technical Services	$4,000.00	$4,000.00	$0.00
100.2314.550.00.00.0.00000	Printing	$8,000.00	$8,000.00	$0.00
100.2314.610.00.00.0.00000	Supplies	$3,500.00	$3,500.00	$0.00

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
FUNC: DISTRICT MEETING - 2314		$15,500.00	$15,500.00	$0.00
100.2317.330.00.00.0.00000	Other Professional Services	$50,000.00	$50,000.00	$0.00
FUNC: AUDIT - 2317		$50,000.00	$50,000.00	$0.00
100.2318.330.00.00.0.00000	Other Professional Services	$204,800.00	$204,800.00	$0.00
FUNC: LEGAL FEES - 2318		$204,800.00	$204,800.00	$0.00
100.2319.115.00.00.0.00000	Office Salaries	$11,160.00	$11,160.00	$0.00
100.2319.540.00.00.0.00000	Advertising	$5,000.00	$5,000.00	$0.00
100.2319.810.00.00.0.00000	Dues and Fees	$18,000.00	$18,000.00	$0.00
100.2319.890.00.00.0.00000	Miscellaneous Expense	$27,500.00	$27,500.00	$0.00
FUNC: OTHER SCHOOL BOARD SERVICES - 2319		$61,660.00	$61,660.00	$0.00
100.2321.111.00.00.0.00000	Administrative Salaries	$584,435.49	$512,760.02	$71,675.47
100.2321.115.00.00.0.00000	Office Salaries	$123,596.02	$116,578.00	$7,018.02
100.2321.240.00.00.0.00000	Tuition Reimbursement	$40,000.00	$40,000.00	$0.00
100.2321.330.00.00.0.00000	Other Professional Services	$35,205.00	$35,205.00	$0.00
100.2321.534.00.00.0.00000	Postage	$9,000.00	$9,000.00	$0.00
100.2321.540.00.00.0.00000	Advertising	$5,000.00	$5,000.00	$0.00
100.2321.580.00.00.0.00000	Travel/Workshops	$18,000.00	$18,000.00	$0.00

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Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2321.610.00.00.0.00000	Supplies	$35,000.00	$35,000.00	$0.00
100.2321.640.00.00.0.00000	Books & Info Resources	$2,000.00	$2,000.00	$0.00
100.2321.733.00.00.0.00000	New Equipment	$1,000.00	$0.00	$1,000.00
100.2321.810.00.00.0.00000	Dues and Fees	$12,000.00	$12,000.00	$0.00
100.2321.890.00.00.0.00000	Miscellaneous Expense	$25,000.00	$25,000.00	$0.00
FUNC: Office of the Superintendent Services - 2321		$890,236.51	$810,543.02	$79,693.49
100.2330.111.00.00.0.00000	Administrative Salaries	$257,792.03	$242,810.00	$14,982.03
100.2330.112.00.00.0.00000	Teacher/Specialist Salaries	$89,469.99	$86,705.28	$2,764.71
100.2330.115.00.00.0.00000	Office Salaries	$55,324.23	$52,718.80	$2,605.43
100.2330.531.00.00.0.00000	Telephone	$240.00	$240.00	$0.00
100.2330.534.00.00.0.00000	Postage	$100.00	$200.00	($100.00)
100.2330.580.00.00.0.00000	Travel/Workshops	$500.00	$3,500.00	($3,000.00)
100.2330.610.00.00.0.00000	Supplies	$100.00	$350.00	($250.00)
100.2330.810.00.00.0.00000	Dues and Fees	$3,000.00	$5,000.00	($2,000.00)
FUNC: SPECIAL AREA ADMINISTRATIVE SERVICES - 2330		$406,526.25	$391,524.08	$15,002.17
100.2340.115.00.00.0.00000	Office Salaries	$58,125.82	$55,598.50	$2,527.32
100.2340.580.00.00.0.00000	Travel/Workshops	$5,000.00	$5,000.00	$0.00
100.2340.610.00.00.0.00000	Supplies	$2,000.00	$2,000.00	$0.00
100.2340.640.00.00.0.00000	Books & Info Resources	$145,000.00	$145,000.00	$0.00

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Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2340.810.00.00.0.00000	Dues and Fees	$11,000.00	$11,000.00	$0.00
FUNC: DIRECTORS OF CURRICULUM - 2340		$221,125.82	$218,598.50	$2,527.32
100.2410.111.00.00.0.00000	Administrative Salaries	$2,200,260.14	$2,134,965.56	$65,294.58
100.2410.115.00.00.0.00000	Office Salaries	$980,773.39	$933,265.44	$47,507.95
100.2410.531.00.00.0.00000	Telephone	$154,042.00	$154,042.00	$0.00
100.2410.610.00.00.0.00000	Supplies	$75,704.00	$75,704.00	$0.00
100.2410.640.00.00.0.00000	Books & Info Resources	$3,600.00	$3,600.00	$0.00
100.2410.733.00.00.0.00000	New Equipment	$5,772.00	$6,649.00	($877.00)
100.2410.737.00.00.0.00000	Replacement Equipment	$18,584.20	$21,003.20	($2,419.00)
100.2410.810.00.00.0.00000	Dues and Fees	$26,445.00	$26,445.00	$0.00
FUNC: OFFICE OF THE PRINCIPAL - 2410		$3,465,180.73	$3,355,674.20	$109,506.53
100.2490.111.00.00.0.00000	Administrative Salaries	$117,202.18	$113,568.00	$3,634.18
100.2490.112.00.00.0.00000	Teacher/Specialist Salaries	$700.00	$700.00	$0.00
100.2490.610.00.00.0.00000	Supplies	$38,900.00	$38,900.00	$0.00
FUNC: OTHER SERVICES.SCHOOL ADMINISTRATION - 2490		$156,802.18	$153,168.00	$3,634.18
100.2510.310.00.00.0.00000	Official/Admin Services	$45,000.00	$45,000.00	$0.00
FUNC: CONTRACTED SERVICES-MEDICAID - 2510		$45,000.00	$45,000.00	$0.00

Budget - TRSD

Fiscal Year: 2024-2025

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2511.111.00.00.0.00000	Administrative Salaries	$501,868.97	$478,674.00	$23,194.97
100.2511.115.00.00.0.00000	Office Salaries	$61,057.75	$57,766.00	$3,291.75
FUNC: Supervising Fiscal Services - 2511		$562,926.72	$536,440.00	$26,486.72
100.2610.111.00.00.0.00000	Administrative Salaries	$122,137.68	$115,225.00	$6,912.68
FUNC: SUPERVISION AND OPERATION OF PLANT - 2610		$122,137.68	$115,225.00	$6,912.68
100.2620.116.00.00.0.00000	Custodial Salaries	$2,241,844.24	$2,213,833.71	$28,010.53
100.2620.126.00.00.0.00000	Substitute Salaries-Custodian	$10,000.00	$10,000.00	$0.00
100.2620.290.00.00.0.00000	Other Employee Benefits	$32,000.00	$32,000.00	$0.00
100.2620.330.00.00.0.00000	Other Professional Services	$182,700.00	$182,700.00	$0.00
100.2620.410.00.00.0.00000	Water/Sewer/Septic	$76,500.00	$76,500.00	$0.00
100.2620.420.00.00.0.00000	Cleaning Services	$100,000.00	$100,000.00	$0.00
100.2620.430.00.00.0.00000	Repair and Maintenance	$512,470.00	$512,470.00	$0.00
100.2620.432.00.00.0.00000	Plumbing & Electric Repair	$75,000.00	$75,000.00	$0.00
100.2620.520.00.00.0.00000	Insurance	$254,807.00	$238,137.06	$16,669.94
100.2620.580.00.00.0.00000	Travel/Workshops	$14,500.00	$14,500.00	$0.00
100.2620.610.00.00.0.00000	Supplies	$266,200.00	$266,200.00	$0.00
100.2620.621.00.00.0.00000	Natural Gas	$150,000.00	$150,000.00	$0.00
100.2620.622.00.00.0.00000	Electricity	$600,000.00	$600,000.00	$0.00
100.2620.623.00.00.0.00000	Bottled Gas	$45,000.00	$45,000.00	$0.00

Budget - TRSD

Fiscal Year: 2024-2025

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2620.624.00.00.0.00000	Fuel Oil	$202,000.00	$202,000.00	$0.00
100.2620.643.00.00.0.00000	Information Access Fees	$14,000.00	$14,000.00	$0.00
100.2620.733.00.00.0.00000	New Equipment	$12,500.00	$26,000.00	($13,500.00)
100.2620.737.00.00.0.00000	Replacement Equipment	$47,300.00	$64,500.00	($17,200.00)
FUNC: OPERATING BUILDINGS SERVICES - 2620		$4,836,821.24	$4,822,840.77	$13,980.47
100.2630.420.00.00.0.00000	Cleaning Services	$205,000.00	$205,000.00	$0.00
100.2630.422.00.00.0.00000	Snow Removal	$12,000.00	$12,000.00	$0.00
100.2630.430.00.00.0.00000	Repair and Maintenance	$15,000.00	$15,000.00	$0.00
100.2630.440.00.00.0.00000	Rentals	$35,000.00	$35,000.00	$0.00
100.2630.610.00.00.0.00000	Supplies	$178,000.00	$178,000.00	$0.00
100.2630.733.00.00.0.00000	New Equipment	$0.00	$41,000.00	($41,000.00)
100.2630.737.00.00.0.00000	Replacement Equipment	$15,000.00	$39,620.00	($24,620.00)
FUNC: CARE AND OPERATION OF GROUNDS - 2630		$460,000.00	$525,620.00	($65,620.00)
100.2640.430.00.00.0.00000	Repair and Maintenance	$121,000.00	$121,000.00	$0.00
FUNC: CARE AND UPKEEP OF EQUIPMENT - 2640		$121,000.00	$121,000.00	$0.00
100.2650.430.00.00.0.00000	Repair and Maintenance	$20,000.00	$20,000.00	$0.00
100.2650.626.00.00.0.00000	Gasoline	$20,000.00	$20,000.00	$0.00
100.2650.737.00.00.0.00000	Replacement Equipment	$0.00	$55,000.00	($55,000.00)
FUNC: VEHICLE OPERATION AND MAINTENANCE - 2650		$40,000.00	$95,000.00	($55,000.00)

Budget - TRSD

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2660.330.00.00.0.00000	Other Professional Services	$90,052.22	$90,052.22	$0.00
100.2660.340.00.00.0.00000	Technical Services	$19,400.00	$19,400.00	$0.00
100.2660.430.00.00.0.00000	Repair and Maintenance	$35,000.00	$35,000.00	$0.00
100.2660.490.00.00.0.00000	Other Purchased Property Serv	$10,000.00	$10,000.00	$0.00
FUNC: SECURITY SERVICES - 2660		$154,452.22	$154,452.22	$0.00
100.2721.519.00.00.0.00000	Student Transportation	$2,831,524.68	$2,689,915.72	$141,608.96
FUNC: REGULAR PROGRAM TRANSP - 2721		$2,831,524.68	$2,689,915.72	$141,608.96
100.2722.519.00.00.0.00000	Student Transportation	$1,723,384.30	$1,421,530.40	$301,853.90
FUNC: SPECIAL EDUCATION TRANSP - 2722		$1,723,384.30	$1,421,530.40	$301,853.90
100.2723.519.00.00.0.00000	Student Transportation	$161,776.00	$156,289.60	$5,486.40
FUNC: VOCATIONAL TRANSPORTATION - 2723		$161,776.00	$156,289.60	$5,486.40
100.2724.519.00.00.0.00000	Student Transportation	$109,265.80	$100,276.38	$8,989.42
FUNC: ATHLETIC TRANSPORTATION - 2724		$109,265.80	$100,276.38	$8,989.42
100.2725.519.00.00.0.00000	Student Transportation	$54,340.00	$55,900.00	($1,560.00)
FUNC: FIELD TRIP TRANSPORTATION - 2725		$54,340.00	$55,900.00	($1,560.00)

Budget - TRSD

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2729.519.00.00.0.00000	Student Transportation	$17,100.00	$17,200.00	($100.00)
FUNC: MUSIC TRANSPORTATION - 2729		$17,100.00	$17,200.00	($100.00)
100.2831.111.00.00.0.00000	Administrative Salaries	$170,040.60	$160,200.00	$9,840.60
100.2831.115.00.00.0.00000	Office Salaries	$116,132.75	$109,841.00	$6,291.75
FUNC: Supervision of Staff Services - 2831		$286,173.35	$270,041.00	$16,132.35
100.2840.111.00.00.0.00000	Administrative Salaries	$128,404.00	$124,422.48	$3,981.52
100.2840.114.00.00.0.00000	Educational Assistants Salaries	$64,885.36	$62,156.25	$2,729.11
100.2840.430.00.00.0.00000	Repair and Maintenance	$70,150.00	$70,150.00	$0.00
100.2840.610.00.00.0.00000	Supplies	$15,000.00	$15,000.00	$0.00
100.2840.643.00.00.0.00000	Information Access Fees	$188,119.00	$188,119.00	$0.00
100.2840.650.00.00.0.00000	Software	$107,645.00	$107,645.00	$0.00
100.2840.738.00.00.0.00000	Replacement Computer/Netwrk	$25,000.00	$25,000.00	$0.00
FUNC: COMPUTER SERVICES - 2840		$599,203.36	$592,492.73	$6,710.63
100.2900.210.00.00.0.00000	Group Insurance	$12,550,897.00	$13,785,781.37	($1,234,884.37)
100.2900.220.00.00.0.00000	FICA	$3,255,205.61	$3,148,702.06	$106,503.55
100.2900.231.00.00.0.00000	Non-teacher Retirement	$1,219,947.86	$1,271,203.16	($51,255.30)
100.2900.232.00.00.0.00000	Teacher Retirement	$5,838,825.64	$6,123,070.83	($284,245.19)
100.2900.250.00.00.0.00000	Unemployment Compensation	$30,000.00	$30,000.00	$0.00

Budget - TRSD

Fiscal Year: 2024-2025

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.2900.260.00.00.0.00000	Worker's Compensation	$256,820.00	$242,283.00	$14,537.00
100.2900.290.00.00.0.00000	Other Employee Benefits	$50,000.00	$50,000.00	$0.00
FUNC: SUPPORT SERVICES-OTHER - 2900		$23,201,696.11	$24,651,040.42	($1,449,344.31)
100.3120.119.00.00.0.00000	Food Service Salaries	$90,558.83	$90,558.83	$0.00
FUNC: FOOD SERVICE OPERATIONS - 3120		$90,558.83	$90,558.83	$0.00
100.4200.430.00.00.0.00000	Repair and Maintenance	$150,000.00	$150,000.00	$0.00
FUNC: SITE IMPROVEMENT - 4200		$150,000.00	$150,000.00	$0.00
100.4600.450.00.00.0.00000	Construction Services	$1,892,200.00	$1,892,200.00	$0.00
FUNC: BUILDING IMPROVEMENT - 4600		$1,892,200.00	$1,892,200.00	$0.00
100.5110.910.00.00.0.00000	Principal	$746,341.00	$746,341.00	$0.00
FUNC: PRINCIPAL ON DEBT - 5110		$746,341.00	$746,341.00	$0.00
100.5120.830.00.00.0.00000	Interest	$1,314,659.00	$1,314,659.00	$0.00
FUNC: INTEREST ON DEBT - 5120		$1,314,659.00	$1,314,659.00	$0.00
100.5221.930.00.00.0.00000	Fund Transfers	$1,400,000.00	$1,716,811.00	($316,811.00)
FUNC: FOOD SERVICE FUND - 5221		$1,400,000.00	$1,716,811.00	($316,811.00)

Budget - TRSD

Fiscal Year: 2024-2025

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From Date: 7/1/2025 To Date: 6/30/2026 Definition: Default View

Account	Description	FY2026 Default	FY2025 Voted	Variance
100.5222.930.00.00.0.00000	Fund Transfers	$1,200,000.00	$1,300,000.00	($100,000.00)
FUNC: FEDERAL PROJECTS - 5222		$1,200,000.00	$1,300,000.00	($100,000.00)
100.5223.930.00.00.0.00000	Fund Transfers	$45,000.00	$77,500.00	($32,500.00)
FUNC: PERFORMING ARTS CTR PROGRAMS - 5223		$45,000.00	$77,500.00	($32,500.00)
100.5250.930.00.00.0.00000	Fund Transfers	$250,000.00	$250,000.00	$0.00
FUNC: CAPITAL RESERVE FUNDS - 5250		$250,000.00	$250,000.00	$0.00
Grand Total:		$90,873,583.04	$91,825,842.63	($952,259.59)

End of Report

Job Postings

As of 12/13/24

JobId	Category	Position Type	Additional Title	Location	Date Posted	Closing Date	Date Available	For Fiscal Year	Time To Fill	AppCount
Administration										
4999	Administration	Director	Facilities Director cc2637	Timberlane Regional School District	9/20/2024	Open until filled	as soon as possible	2024-2025	84	26
Athletics/Activities										
4833	Athletics/Activities		High School Assistant Track Coach	Timberlane Regional High School	3/8/2024	open until filled	Mar-24	2024-2025	280	6
5037	Athletics/Activities	Coaching	Middle School Assistant Wrestling Coach	Timberlane Regional Middle School	11/18/2024	open until filled	Nov-24	2024-2025	25	1
5014	Athletics/Activities	Coaching	TRHS Head Girls Varsity Outdoor Track Coach	Timberlane Regional High School	10/8/2024	open until filled	3/21/2025	2024-2025	66	2
4947	Athletics/Activities		TRHS Junior Varsity Boys Basketball Coach	Timberlane Regional High School	7/1/2024	open until filled	11/22/2024	2024-2025	165	9
5041	Athletics/Activities	Coaching	TRHS Varsity Boys Lacrosse Coach	Timberlane Regional High School	12/9/2024	open until filled	March of 2025	2024-2025	4	3
4997	Athletics/Activities		TRMS Assistant Cross Country Coach	Timberlane Regional Middle School	9/19/2024	open until filled	Sep-24	2024-2025	85	2
5022	Athletics/Activities		TRMS Boys Basketball A Coach	Timberlane Regional Middle School	10/17/2024		Nov-24	2024-2025	57	4
Elementary School Teaching										
5009	Elementary School Teaching	Intermediate - Grades 4, 5 Teacher	Elementary Teacher - Grade 5 cc2116 - One Year Position	Danville Elementary	10/1/2024	Open until filled	as soon as possible	2024-2025	73	5
5038	Elementary School Teaching	Primary - Grades 1, 2, 3	Long Term Substitute - Elementary Teacher Grade 3	Danville Elementary	11/19/2024	Open until filled	4/25/2025	2024-2025	24	3
High School Teaching										
5030	High School Teaching	Science - Biology	Long Term Substitute - High School Science Teacher	Timberlane Regional High School	10/28/2024	Open until filled	4/21/2025	2024-2025	46	1
4906	High School Teaching	World Language - Spanish	Long Term Substitute - High School Spanish Teacher	Timberlane Regional High School	5/20/2024	Open until filled	as soon as possible	2024-2025	207	6
5021	High School Teaching	Mathematics	Long-Term Substitute - High School Mathematics Teacher	Timberlane Regional High School	10/16/2024	Open until filled	3/1/2025	2024-2025	58	2
4882	High School Teaching	World Language - French	Part Time French Teacher cc1556	Timberlane Regional High School	5/7/2024	Open until filled	as soon as possible	2024-2025	220	4
Instructional Support Staff										
4511	Instructional Support Staff	Academic Tutor	Academic Tutor	Timberlane Regional School District	10/4/2022	open until filled	as soon as possible	2024-2025	801	16
4860	Instructional Support Staff	Special education Paraeducator	ED Program Paraprofessional cc797	Danville Elementary	4/2/2024	Open until filled	as soon as possible	2024-2025	255	7
4991	Instructional Support Staff	Regular education Paraeducator	Regular Education Paraeducator cc1225	Timberlane Regional High School	8/21/2024	Open until filled	as soon as possible	2024-2025	114	9
5027	Instructional Support Staff	Regular education Paraeducator	Regular Education Paraeducator cc2336	The Learning Center at Sandown Central	10/22/2024	Open until filled	as soon as possible	2024-2025	52	2
5026	Instructional Support Staff	Regular education Paraeducator	Regular Education Paraeducator cc748	The Learning Center at Sandown Central	10/22/2024	Open until filled	as soon as possible	2023-2024	52	1
4234	Instructional Support Staff	Special education Paraeducator	Special Education Paraeducator cc 1546	Timberlane Regional School District	3/9/2022	open until filled	as soon as possible	2024-2025	1,010	17
5036	Instructional Support Staff	Special education Paraeducator	Special Education Paraeducator cc1022	Pollard School	11/14/2024	Open until filled	as soon as possible	2024-2025	29	2
5008	Instructional Support Staff	Special education Paraeducator	Special Education Paraeducator cc1070	Timberlane Regional High School	9/27/2024	Open until filled	as soon as possible	2024-2025	77	4
4978	Instructional Support Staff	Special education Paraeducator	Special Education Paraeducator cc1544	Sandown North	7/30/2024	Open until filled	as soon as possible	2024-2025	136	2
5029	Instructional Support Staff	Special education Paraeducator	Special Education Paraeducator cc1546	Pollard School	10/23/2024	Open until filled	as soon as possible	2024-2025	51	3
4874	Instructional Support Staff	Special education Paraeducator	Special Education Paraeducator cc2311	Timberlane Regional High School	4/24/2024	Open until filled	as soon as possible	2024-2025	233	3
4913	Instructional Support Staff	Special education Paraeducator	Special Education Paraeducator cc575	Danville Elementary	5/29/2024	Open until filled	as soon as possible	2024-2025	198	4
4982	Instructional Support Staff	Special education Paraeducator	Special Education Paraeducator cc832	Timberlane Regional High School	8/5/2024	Open until filled	as soon as possible	2024-2025	130	1
Maintenance/Custodial										
5017	Maintenance/Custodial	Custodian	Custodian - First Shift cc2271	Timberlane Regional High School	10/9/2024	Open until filled	as soon as possible	2024-2025	65	17
4981	Maintenance/Custodial	Custodian	Custodian - Second Shift cc1454	Timberlane Regional High School	8/5/2024	Open until filled	as soon as possible	2024-2025	130	10
5040	Maintenance/Custodial	Custodian	Custodian - Second Shift cc782	The Learning Center at Sandown Central	11/27/2024	open until filled	as soon as possible	2024-2025	16	4
5039	Maintenance/Custodial	Custodian	Custodian Second Shift cc2276	Timberlane Regional High School	11/22/2024	Open until filled	as soon as possible	2024-2025	21	4
5033	Maintenance/Custodial	Maintenance General	HVAC Technician - First Shift cc944	Timberlane Regional School District	11/6/2024	Open until filled	as soon as possible	2024-2025	37	2
4859	Maintenance/Custodial	Maintenance General	Maintenance Mechanic - Temporary cc2722	Timberlane Regional School District	4/8/2024	Open until filled	as soon as possible	2024-2025	249	4
4961	Maintenance/Custodial	Custodian	Part Time Custodian - Second Shift cc991	Atkinson Academy	7/10/2024	Open until filled	as soon as possible	2024-2025	156	13
4944	Maintenance/Custodial	Custodian	Substitute Custodians	Timberlane Regional School District	6/24/2024	Open until filled	Ongoing	2024-2025	172	6
Middle School Teaching										
5032	Middle School Teaching	Physical Education	Physical Education/Health Teacher cc1553	Timberlane Regional Middle School	10/31/2024	Open until filled	as soon as possible	2024-2025	43	4
Non-Instructional Support										
4878	Non-Instructional Support	Crossing Guard	School Crossing Guard cc2703	Timberlane Regional High School	4/29/2024	Open until filled	as soon as possible	2024-2025	228	2
4868	Non-Instructional Support	Crossing Guard	School Crossing Guard cc2706	Timberlane Regional Middle School	4/19/2024	Open until filled	as soon as possible	2024-2025	238	3
PAC TECHNOLOGY AND INSTRUCTORS										
5031	PAC TECHNOLOGY AND INSTRUCTORS		Chamber Music Coach	Performing Arts Center	10/29/2024	Open until filled	as soon as possible		45	4
4945	PAC TECHNOLOGY AND INSTRUCTORS	Private Music Instructors	Private Music Instructors	Performing Arts Center	6/24/2024	Open until filled	7/1/2024	2024-2025	172	9
Special Education										
5035	Special Education	Special Ed Coordinator	Anticipated Special Education Coordinator cc2217	Timberlane Regional High School	11/8/2024	Open until filled	as soon as possible	2024-2025	35	1
5028	Special Education	Special Education Teacher	Long Term Substitute - Special Education Teacher	Timberlane Regional Middle School	10/22/2024	Open until filled	1/20/2025	2024-2025	52	1
4940	Special Education	Special Education Teacher	Special Education Teacher/Case Manager cc492	Timberlane Regional Middle School	6/21/2024	Open until filled	as soon as possible	2024-2025	175	3
Substitute										
4943	Substitute	Substitute Teacher	Substitute Teacher, Paraeducator, LNA, and Secretary 2024-2025 School Year	Timberlane Regional School District	6/24/2024	Open until filled	Ongoing	2024-2025	172	61