Registration Guide
2025-2026

PRINCETON
HIGH SCHOOL

and

PRINCETON
ONLINE MN

Information at the time of printing is accurate. Several factors determine whether a class is offered, which include, but are not limited to: budgeting, staffing, and student requests. It is important that courses and alternatives are chosen carefully.

In the case of discrepancies between this Guide and other district or school communication, priority for accuracy is: 1) State and federal law, 2) District policy, 3) Student Handbook, 4) Registration Guide.

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Skyward Registration

Students and parents will be able to make course requests online. Follow the registration instructions below:

Go to Princeton School's homepage: www.isd477.org

1. Click the **Skyward** button on the top right.
2. Enter in your **Login name** and **Password**.
3. Go to left side and click **Schedule**
4. Go to top right and click **Request Courses for 2025-2026**
5. Select your course and click the **Add Course button** or type the course number in Course Key/Desc: box and click Search. After the course is found, highlight the course and click the **Add Course** button.
6. Enter in all your course requests.
7. Click the **Alternates**.
8. Enter in your Alternate course requests.
9. If you would like to review your course selections, they will show up in selected courses
10. Click the red "X" on top right.

General Information

Credits

Students are required to register for 18 courses and 5 alternatives each year. Students should have no more than one class that doesn't earn credit each trimester (i.e., study hall).

Alternate Course Choices

Every attempt will be made to schedule students into their first choices; however, not everyone will receive the classes they choose. Students must choose 5 alternate courses to be used in the event a schedule conflict occurs which cannot be resolved or if classes are full or not offered.

Credit Recovery

These courses are designed for students who are behind in credit(s). Students will receive notification if Credit Recovery is recommended based on their progress during the prior trimesters. Summer school dates are typically from early June to early July. During the school year, dates are typically two times a week.

Schedule Changes

Classes are formed, schedules created, and staff hired and assigned on the basis of student registration. Once this the process has been completed, schedule changes are discouraged, and in many cases, not possible. Changes can only be honored if it is educationally best for the student and there is room in the desired course.

Examples of "acceptable" schedule changes include:
- Inappropriate course placement.
- Course prerequisites have not been met.
- Course has been taken and cannot be repeated for credit.
- Acceptance to a special program, medical, or administrative action.

No classes may be added after the first two days of each trimester. All schedule changes other than dropping a class beyond the first two days of the trimester will require special permission from the building principal with the exception of a Princeton Online Minnesota course.

Requirements to Participate in the Graduation Ceremony

Any senior who has not fully met the graduation requirements by the end of the last school day of the school year, will not be eligible to participate in graduation exercises of that school year.

Students who are short credits at the end of grades nine, ten, and eleven are encouraged to make up the deficiency in after school credit recovery or summer school credit recovery the year following the failed course.

Credit Changes (Audit)

Counselor and teacher approval required. This option is available to juniors and seniors only. Students wishing to audit (take a class for no credit) may do so any time during the first two weeks. A request to audit a class must be submitted to a counselor and approved by the teacher.

Pass/Fail Grading

Counselor and teacher approval required. One (1) elective credit can be taken on a pass/fail basis. Students must earn the equivalent of a "C" grade to pass the class. Students wishing to take a class on a pass/fail grading basis or to obtain a credit for the class may do so anytime during the first two weeks of the trimester, by submitting a request to a counselor.

Dropping Classes

If changes to a schedule are necessary, they must be made the first two days of the trimester. Students should consult with their counselor for a drop/add form, which requires parent, teacher and counselor signature. Students may drop a course up to the 10th school day of the trimester. If you withdraw from a class after the 10th day of the trimester, your transcript will reflect a grade of F. Students are allowed to only carry one non-credit bearing course a trimester. Should the student fall below five classes, the class(es) being dropped will reflect an "F" for the final grade.

Student Data Collection

Students in CTE courses are encouraged to create an account on CTE Credit MN in order to explore careers, earn college credit and complete career and technical programs before graduating from high school.
This website collects the following data on students; legal name, address, email address, name of schools attended, date of birth, grade level, student enrollment in ARCC courses, date of enrollment and date of course completion.
For more information about how CTE Credit MN collects and uses data, you can view their privacy policy. This information is listed on the district Software Inventory document located on the district website:
https://www.isd477.org/academics/instructional-technology/software-inventory

Grading Scale

WEIGHTED GRADING & GRADE POINT AVERAGE (GPA)

GPA is based on a 4.0 scale. Points awarded for regular courses are as follows:

A	4 points
B	3 points
C	2 points
D	1 point
F	0 points

Points awarded for weighted courses are as follows:

A	5 points
B	4 points
C	3 points
D	1 point
F	0 points

The school district offers weighted grades for courses provided they are approved as more rigorous or academically challenging and are limited to the following:

Courses Approved for Weighted Grade

- All Advanced Placement (AP) courses offered by the school district.
- All College in the Schools (CIS) courses offered by the school district.
- Post Secondary Enrollment Option (PSEO) courses.

Recognitions, awards, and GPA ranks are calculated based on weighted grading.
See the **Student Handbook** for more information on grading, graduation ceremony information and student expectations..

Princeton Online Minnesota 9-12 (POM)

Students may choose to supplement their seat-based course schedule with online courses. Students may access up to two supplemental online courses (supplemental students) in a single trimester through POM. Additional information is available from guidance counselors and the POM Principal.

See page 61 for a list of POM course options.

Princeton Online Minnesota Electives -

Supplemental Online Students: (taking up to 2 online courses in a trimester)

- May not take more than 2 online courses in a trimester (in order to take more than 2 online courses in a trimester, a student must be a full-time online student.)
- Must register for online courses during the registration process prior to the start of the school year. If requesting to add an online course after the start of the school year, must request through the guidance office by mid-term of the prior trimester.
- May only enroll in elective online courses.
- May not enroll in online elective courses that are offered as seat-based courses.
- Are limited to availability of online courses.
- Additional enrollment forms will need to be completed.

Full time Online Students:

- Must request to enroll full-time online during the prior-year spring registration process.
- Must have parent permission and guidance counselor recommendation.
- Must attend an intake-meeting with Online Coordinator and parent/guardian prior to beginning the online program.
- Parent signature approval and SKYWARD registration required.
- Additional forms will need to be complete.

Graduation Requirements

1. Students must be enrolled in ISD477 and earn the minimum number of required credits in grades nine through twelve, by the last day of school of grade 12, in order to graduate and participate in the graduation commencement ceremony.

2. In order to receive a diploma from Princeton High School, students must be enrolled in ISD477 full-time for trimester three of their senior year. Students applying for early graduation must meet the above condition for trimester two of their senior year.

3. Students are required to complete college and career readiness curriculum delivered in Advisory.

4. Minnesota Department of Education states students must be provided the opportunity to participate in a district approved college entrance exam in grade 11. Students in grade 11 have the opportunity to take the ACT on a school day, at school.

5. The Minnesota Comprehensive Assessments (MCA) and alternate assessment, Minnesota Test of Academic Skills (MTAS), are the statewide tests that help districts measure student progress toward Minnesota's academic standards and meet the requirements of the Elementary and Secondary Education Act (ESEA). Students in grade 10 take the Science and English MCA and students in grade 11 take the Math MCA. Students with an Individual Education Plan (IEP) may be assigned to take the MTAS instead of the MCA in their grade level.

6. Students are required to complete the following credits in order to graduate:

English	9 credits
Social Studies	7 credits
Mathematics	9 credits
Science	7 credits
Physical Education	2 credits
Health	1 credit
College & Career	1 credit
Arts	2 credits
Electives	27 credits
	65 total credits

A trimester credit is defined as credit earned in a one-trimester class in a 6-period day.

Student 4-Year Planning Guide

Directions: Students enroll in 18 courses (credits) per year. In order to graduate, must have 65 credits and also meet grade level advisory curriculum requirements. Academic achievement, placement assessments, and college and career readiness assessments are offered in various grades. Courses identified with * can be taken in any grade listed. Use the document to plan high school courses. Fill in empty boxes with elective courses.

STUDENT NAME_____ CLASS OF _____

CAREER ACADEMY OF INTEREST (May choose up to 3. Choosing an academy does not require the student to complete it.)

☐ Business, Management, & Administration ☐ Health Science ☐ Human Services
☐ Information Systems, Communication, & Art ☐ Engineering, Manufacturing, & Technology ☐ Agriculture & Natural Resources

	9th Grade Courses	√
1	English	
2	English	
3	English	
4	Geography	
5	Math	
6	Math	
7	Math	
8	Science	
9	Science	
10	Science	
11	PE 9	
12	*PE Elective (9, 10, 11, or 12)	
13	*Art (9, 10, 11, or 12)	
14	*Art (9, 10, 11, or 12)	
15	Elective	
16	Elective	
17	Elective	
18	Elective	

	10th Grade Courses	√
1	English	
2	English	
3	U.S. History-A	
4	U.S. History-B	
5	Math	
6	Math	
7	Math	
8	Biology	
9	Biology	
10	Health	
11	Elective	
12	Elective	
13	Elective	
14	Elective	
15	Elective	
16	Elective	
17	Elective	
18	Elective	

	11th Grade Courses	√
1	English	
2	English	
3	World Studies-A	
4	World Studies-B	
5	*Economics (11 or 12)	
6	Math	
7	Math	
8	Math	
9	*Chemistry **OR** Physics (11 or 12)	
10	*Chemistry **OR** Physics (11 or 12)	
11	College & Career Exploration	
12	Elective	
13	Elective	
14	Elective	
15	Elective	
16	Elective	
17	Elective	
18	Elective	

	12th Grade Courses	√
1	English	
2	English	
3	U.S. Government	
4	Elective	
5	Elective	
6	Elective	
7	Elective	
8	Elective	
9	Elective	
10	Elective	
11	Elective	
12	Elective	
13	Elective	
14	Elective	
15	Elective	
16	Elective	
17	Elective	
18	Elective	

Advanced Academic Opportunities

Should I take the Advanced Academic courses offered at PHS?
Use this self-assessment to decide whether or not you will benefit from taking the courses.
- Have I always had success in a certain subject area?
- Do I want to be more challenged than I have been in other classes?
- Do I want to improve my problem-solving and critical thinking abilities?
- Do I want to sharpen my writing skills?
- Do I know what to do with constructive criticism?
- Have classes in the past moved a little too slowly for me?
- Do I want to see if I'm ready for a college course with the support of a teacher and my friends?
- Do I know what I might want to study after I graduate?
- Do I want to be more likely to win scholarships and save money on college tuition?

Won't Advanced Academic courses be more work?
These courses will be more challenging than general grade-level courses. But if you feel confident that you are ready, the decision is pretty straight forward. Taking the more challenging course will benefit you as a student (GPA, transcript, resume) and as a person (problem-solving, critical thinking) more than getting an "easy A" in another elective class.

What do I need to be successful in an Advanced Academics course?
Studies show that a student's self-discipline matters more than I.Q. when it comes to success in harder classes. If you are willing to work hard and ask for help when you need it, you will be successful. Side note: Having more rigorous courses on your high school transcript looks great if you do well. Taking all college classes your senior year and getting all Ds won't help you reach your goals after high school. Yes, it's good to challenge yourself, but do so in moderation.

How are Advanced Academic courses graded?
Weighted grades are grades that are assigned a higher number when calculating grade point average (GPA). Students will earn weighted grades for completing AP and CIS courses at Princeton High School.

I've decided to try one or more of the Advanced Academics courses. What should I do next? Look at the following pages and the course catalog to see which courses are available to students and whether you are eligible. Choose wisely and choose well. Make sure you consider the order that makes the most sense so you will be successful. Our Advanced Placement (AP), College in the Schools (CIS), and Post-Secondary Enrollment Option (PSEO) programs have similarities and differences. The courses taught on our PHS campus are unique in that they help students learn important academic skills. Students begin to learn college level skills in critical-thinking, writing, research, and time management with the support of a PHS staff member and their peers. PSEO programs offer a greater range of options. It's important to consider which options will help you meet your post-secondary goals.

Talk with your guidance counselor and/or the Advanced Academics coordinator if you have questions.

Advanced Placement Courses

What is Advanced Placement?
Advanced Placement is an internationally recognized program that provides opportunities for students to experience college-level academics while staying on their high school campus. AP courses are nationally accredited, high rigor, college-level courses created and regulated by the National College Board.

Who can take AP courses?
AP courses are for any student who is academically prepared and motivated to take on college-level courses. It is a widely-held belief that AP students are willing to work hard, take learning seriously, and have the skills it takes to be successful in college. There are no specific requirements to participate in these courses, however students are advised to be prepared for a challenge. In general, AP courses are open to students in grades 9-12, but students must follow prerequisite requirements.

Will I get college credits for AP classes?
Students are able to earn college credit for an Advanced Placement course if they earn a 3 or better on the AP Exam given in the spring. There is a fee associated with all AP exams that the district does not cover. Each college and university (not the College Board or the AP Program) makes its own decisions about awarding credit and placement. To receive credit, students must request that the College Board send an official AP score report to the college of choice, either at the time of testing or afterward through a score report request. Questions about the status of AP credit or placement, should be directed to a college admissions office. Visit http://apscore.collegeboard.org/scores to send scores.

What AP courses are offered at Princeton High School?

Math	English	Science	Social Studies
AP Calculus AP Computer Science	English 10: AP Seminar A/B/C AP English Literature	AP Physics I	AP Human Geography AP U.S. History AP Macroeconomics AP Microeconomics (not offered 25-26)

College in the Schools (CIS)

What is College in the Schools (CIS)?
The College In Schools (CIS) courses are offered through concurrent enrollment with Anoka Ramsey Community College, St. Cloud State University, Pine Technical & Community College and St. Cloud Technical and Community College. Our CIS program allows students to get a head start in their college education and experience the rigor of college-level courses with PHS teachers and peers.

Who can take CIS courses?
Students may start the CIS registration process by meeting one of the following criteria. In general, classes are for students in grades 11 and 12. Students in grades 9 and 10 can participate if the district and postsecondary agree to enrollment.

St. Cloud State University **Juniors:** Top 1/3 of class OR 3.500 or higher OR standardized test score in one of the following: ACT 23 or above composite score, Pre-ACT 22 or above composite score, SAT 1070 or above (math & critical reading), PSAT 1070 or above. **Seniors:** Top ½ of class OR 3.000 or higher OR standardized test score in one of the following: ACT 23 or above composite score, Pre-ACT 22 or above composite score, SAT 1070 or above (math & critical reading), PSAT 1070 or above.

Anoka Ramsey Community College **Juniors:** Top ⅓ of class OR 2.600 or higher OR 70th percentile or higher on standardized tests such as Pre-ACT, ACT, PSAT or SAT. **Seniors:** Top ½ of class OR 2.600 or higher OR 50th percentile or higher on standardized tests such as Pre-ACT, ACT, PSAT or SAT.

Pine Technical & Community College **Juniors:** Top ⅓ of class OR 3.00 or higher OR 70th percentile or higher on standardized tests such as Pre-ACT, ACT, PSAT or SAT. **Seniors:** Top ½ of class OR 2.500 or higher OR 50th percentile or higher on standardized tests such as Pre-ACT, ACT, PSAT or SAT.

What CIS classes are offered at Princeton High School? How do I qualify?

Some courses may require a higher admission standard; some courses also have a prerequisite or require a placement test. These can be met through any of the following assessment scores: Accuplacer, MCA, or ACT. See chart below for specific criteria.

Institution	HS Course	College Course	College Credits	HS Credit	ACT Sub Score Minimum	MCA Score Minimum	Other Criteria
Anoka Ramsey Community College	College English	English 1121	4	2	18 English & 21 Reading	N/A	Juniors: To ⅓ of class Seniors: Top ½ of class OR Juniors: 2.600 minimum GPA Seniors: 2.600 minimum GPA OR Juniors: 70th percentile or higher on standardized tests Seniors: 50th percentile or higher on standardized tests
	College Biology	Biology 1100	4	2	21 Reading	1047	
	College Government	Pol Sci 1111	3	2	21 Reading	1047	
	College Psychology	Psych 1110	4	2	21 Reading	1047	
	Introduction to Exercise Science	HPER 1205	2	1	21 Reading	1047	
St. Cloud State University	College Chemistry	Chemistry 160	4	3	23 composite	N/A	Juniors: Top ⅓ of class Seniors: Top ½ of class OR Juniors - 3.5 minimum GPA Seniors - 3.0 minimum GPA OR Juniors & Seniors: Standardized test score in one of the following: The score listed below or above: ACT 23 composite, Pre-ACT 22 composite,, SAT 1070 or PSAT 1070
	Spanish III	Spanish 102	4	2			
	Spanish IV	Spanish 201	4	2			
St. Cloud Technical College	Advanced Welding	Welding 1505/1515	2	1	N/A	N/A	N/A
Pine Technical & Community College	Healthcare Academy A	HealthCareers I HCCC 1215 Medical Terminology HPPC 1002	2 1	1 .5			

	Healthcare Academy B	HealthCareers II HCCC 1220 Medical Dosages HPPC 1000 Pharmacology HPPC 1004	2 2 1	.5 .5 .5	22 Math	1158	Juniors: To ⅓ of class Seniors: Top ½ of class OR Juniors: 3.0 minimum GPA Seniors: 2.5 minimum GPA OR Juniors: 70th percentile or higher on standardized tests Seniors: 50th percentile or higher on standardized tests
	Early Childhood Education Academy	Intro to Early Childhood Education CDEV1200 Health, Safety, and Nutrition CDEV1222	3 3	1.5 1.5	19 composite 19 composite	1042 1042	
	Emergency Medical Responder	Em. Medical Responder EMT 1715	3	1.5	NA	NA	

Will I get college credit for CIS courses?

When students successfully complete these courses, they receive credit via an official transcript from the postsecondary institution. CIS students will earn college credit as well as high school credit to apply toward graduation.

What else do I need to know about CIS classes?

- There are postsecondary rules about dropping or withdrawing from a class.
- Course Drop - To drop without penalty, students must take action within the university's drop window. This is typically within the first five days of class.
- Course Withdrawal - Students may withdraw from a course after the drop date, but will receive a "W" on their college transcript.
- Withdrawing beyond the deadline will result in an "F" on your college transcript. NOTE: Withdrawals and failures in college classes may affect the student's financial aid eligibility in the future.
- CIS students must maintain at least a 2.0 college GPA to remain eligible for college classes.

Post-Secondary Enrollment Options (PSEO)

What is the Post-Secondary Enrollment Options (PSEO) program?

Postsecondary Enrollment Options (PSEO) is a program that allows 10th, 11th and 12th grade students to earn college credit while still in high school. Courses are generally offered on the campus of the postsecondary institution; some courses are now offered online.The State of Minnesota and District 477 pays for tuition and books for PSEO classes. Students need to pay for equipment such as tools, laptops, or calculators. A PSEO student maintains reasonable access to the high school building, computers and/or other technology resources during regular school hours to participate in PSEO courses, whether online or on campus.

Who can enroll in PSEO?
Most PSEO courses are only open to high school students during their 11th and 12th grade year, with each participating college and university setting their own requirements for enrollment into the PSEO courses and programs. You must be admitted by an eligible postsecondary institution. The postsecondary institution you want to attend may have special entrance requirements you must meet before you can take courses there.

Eligible 10th grade students may enroll initially in one Career and Technical Education (CTE) course through PSEO. If the student earns a "C" or higher grade in this first course, she/he is eligible to take additional courses while in 10th grade. In order to be eligible, a 10th grade student must have met the proficiency level of "meets or exceeds" on the 8th grade MCA reading test. If the student did not take the MCA, another reading assessment accepted by the enrolling postsecondary institution can be substituted.

The Minnesota Department of Education has developed a policy entitled: "Minnesota Department of Education Alternative Eligibility Options Policy for 10th Grade Students with a Disability who Wish to Participate in Career and Technical Education Classes through the Postsecondary Enrollment Options Program." The Policy and written procedures are effective December 8, 2015. Access the policy, procedures, and the Modification Request Form.

Will I get college credit for PSEO courses?
After graduating from high school you will receive a transcript indicating your earned college credit at the institution. If you transfer to another college/university, that institution will determine if they will accept the credit you earned under PSEO.

I'm eligible. Should I participate in PSEO?

- To be successful in PSEO, you need to be able to work without supervision and have self-discipline both academically and socially. Be sure you are ready for those responsibilities and that your parents are supportive of the expectations.
- It is your responsibility to provide your own transportation to PSEO classes. Be sure to make arrangements to get to class on time. Parking passes are paid for by the student. Funds are available to help pay transportation expenses for PSEO students whose families are at or below the poverty level, as determined by the federal government to participate in PSEO courses on college campuses. If you have any questions regarding the mileage reimbursement for low-income students, email pupiltransportation.mde@ state.mn.us
- If you take part in this program, you will not be in your high school full-time. You might miss out on participating in some high school activities as a result of your enrollment in postsecondary courses, but you do have the option to participate. Students may find a combination of off-campus PSEO with on-campus AP/CIS (see above) classes makes the most sense.
- You are not eligible for state student financial aid when you participate in the PSEO Program.

How do I enroll in PSEO ?

Interested and eligible 11th and 12th grade students should talk with parents, their high school guidance counselor, and a representative of the postsecondary institution to determine if PSEO is the right fit. Do this as far in advance of your postsecondary enrollment as possible. The postsecondary institution has eligibility requirements, knows which courses are offered, and what the application process involves. Interested and eligible 10th grade students should contact the postsecondary institution to find out which Career and Technical (CTE) courses are offered and what the application process is at that institution.

To assist the district in planning, students are required to inform their district of their intent to enroll in PSEO courses during the following school year by May 30, by completing the Postsecondary Enrollment Options Program Registration Form. This form can be obtained from your school counselor.

Is there anything else to know about PSEO?

PSEO State- Approved Early/Middle College Programs allow eligible students to earn a high school diploma while also earning postsecondary credits or conferring a degree or credential including a certificate, diploma, or an associate's degree. Students are considered eligible if they are enrolled in a core school day State-Approved Alternative Program (SAAP) under the graduation incentives program as defined by MDE.

WEIGHTED GPA

Weighted grades are grades that are assigned a higher number when calculating grade point average (GPA). PHS students will earn weighted grades for completing Advanced Placement (AP), College in the Schools (CIS) and Post Secondary Enrollment Option (PSEO) courses at Princeton High School.

Articulated College Credit (ACC)

What is Articulated College Credit? (ACC)
High school sophomores, juniors and seniors may take high school courses that have been matched with similar courses offered at colleges for college credit. High school students meeting the college course requirements in class will earn college credit, as well as high school credit, to apply toward graduation, at no cost to high school students. These classes are offered in conjunction with St. Cloud State University, Hennepin Technical College, Anoka Ramsey Community College, Anoka Technical College, Central Lakes College, North Hennepin Community College, Alexandria Technical College, St Cloud Technical College, Century College, Hennepin Technical College and St. Paul College. Find more information regarding ACC, visit: http://ctecreditmn.com/schools-list.php?school-id=129 .

Provides students with:

- A sense of direction and purpose.
- A head start on college education.
- A savings of time and tuition costs.
- Less course repetition during freshman year of college.
- An opportunity (during high school experience) to explore future career possibilities.
- Credits that apply to both high school graduation and 2 or 4 year college major.
- Ability to schedule classes before other incoming college freshmen.

PHS Course	Course Level	Post-Secondary Institution	College Course Credits
Automotive	Articulated	Anoka Technical College AUTO 1010 Hennepin Technical College MHTT 1002 / ATEC 1050 St. Cloud State University ETS 1 St. Cloud Technical and Community College TRAN 1503	2
Small Engines II	Articulated	Hennepin Technical College MMST 1105 / MMST 1100	2
Welding II	Articulated	Hennepin Technical College WLDG 1135 Anoka Technical College WELD 1018, WELD 1004, WELD 1006,	2
Advanced Welding	Dual/Concurrent Enrollment	St. Cloud Technical Community College WELD 1515	8
Advanced Floral Design	Articulated	Hennepin Technical College LNDC 1242 Hennepin Technical College LNDC 1271 Hennepin Technical College LNDC 1250	2
Landscaping Horticulture	Articulated	Hennepin Technical College LNDC 1110	2
Wildlife Studies	Articulated	Central Lakes College NATR 1200	1
Woods II	Articulated	Hennepin Technical College CBTG 1121	3
Woods III	Articulated	Hennepin Technical College CARP 1760 Hennepin Technical College CBTG 1121	3 & 2
Technology & Engineering I	Articulated	Hennepin Technical College ENGC 2075 Century College ENGR 1020	3
Computer Technology Hardware	Articulated	Hennepin Technical College ITEC 2675 Anoka Ramsey Community College CNET 1100	3
Child Development	Articulated	Hennepin Technical College CDEV 1010 Hennepin Technical College CDEV 2230	3

Exploring Child Development Careers A	Articulated	Hennepin Technical College CDEV 1010 Hennepin Technical College CDEV 2230	2
Advanced Foods I	Articulated	Hennepin Technical College CULA 1126 Hennepin Technical College CULA 1000 Hennepin Technical College CULA 1106 Normandale Community College HSMA 1143 Normandale Community College BUSN 1153	2
Advanced Foods II	Articulated	Hennepin Technical College CULA 1000 Normandale Community College HSMA 1143 Normandale Community College BUSN 1153	2
Anatomy & Physiology	Articulated	Anoka Technical College HLTH 1005 Hennepin Technical College HLTH 1010	4
Intro to Exercise Science	Dual/Concurrent Enrollment	Anoka Ramsey Community College HPER 1205	2
Medical Terminology	Articulated	Anoka-Ramsey Community CollegeBIOL 1102 Anoka Technical College HLTH 1040 Central Lakes College HINS 1360 Hennepin Technical College OFCR 1301 Hennepin Technical College HLUC 1020 MN West Community & Technical College HC 1180 Normandale Community College HLTH 1010 NW Community & Technical College HLtH 1106 Rochester Community & Technical College HCOP 1610 South Central College and Rochester Community & Technical College HC 1000 St. Cloud Technical and Community College HLTH 1440	4

College Admission Information

Colleges vary greatly in their admission criteria and requirements. The following are general guidelines only. It is recommended that students consult their counselor and a college admission representative for specific questions about admission requirements.

Career Colleges and Technical Colleges (public and private) – Offer programs consisting of courses for a specific certification, licensure, or diploma. Most courses are hands-on learning experiences with fewer general education courses. Typical admission requirements may include a high school diploma, math, reading and/or writing placement tests, and/or a minimum college entrance exam score. Many technical programs require math at least through Advanced Algebra.

Community Colleges (public and private) – Offer programs consisting of courses for a specific certification, licensure, diploma, or degree. Most programs are two years in length and include general education courses. Typical admission requirements include a high school diploma or the equivalent. Students are more likely to do well on the placement test if they complete a “college prep” curriculum in high school.

4-Year Colleges and Universities (public and private) – Offer programs of study to earn a minimum of a bachelor’s degree. Typically admission requirements include a high school diploma, entrance exam scores vary by college, a minimum high school grade point average (GPA) and/or class rank, other review factors include school and community involvement and leadership opportunities. Students can best prepare themselves for the rigorous curriculum they will experience in college by enrolling in challenging high school courses.

Minnesota State Colleges and University Core Subject Requirements (Bemidji, Winona, Metro, Moorhead, St. Cloud, Southwest and Mankato) (Generally, students should be in the top ½ of their class or have a 21 or higher on ACT.)

4 years of English Language Arts (including composition, literature and speech)
3 years of math (two algebra, one of which is intermediate or advanced algebra and one year of geometry) 3 years of science (including 1 year each of a biological and physical science-all must have significant lab experience)
3 years of social studies (including one year each of U.S. History and Geography)
2 years of a single world language (including non-English native languages and ASL)
1 year of arts (visual arts and performing arts of theater, music dance and media arts)

University of Minnesota Core Subject Requirements

4 years of English Language Arts (including composition, literature and speech)
4 years of math (2 years of algebra one of which is intermediate or advanced algebra and one year of geometry. 3 years of science (to include 1 year each of biological science, physical science and chemistry/physics and human anatomy) (4 recommended for Institute of Technology, Carlson School Management and College of Biology).
3 years of social (to include U.S. History and Geography)
2 or more years of a single second language
1 year or more of visual and/or performing arts

See individual college websites for their specific requirements.

NCAA

The Clearinghouse is the agency that handles all eligibility for Division I and II athletics. The National Collegiate Athletic Association (NCAA) encourages students to apply online. Be sure to request your high school transcript to be sent to the NCAA. Princeton High School's code: 242-030.

Division I or II Athletics
Visit www.eligibilitycenter.org to view an NCAA reference guide. This guide is subject to change.

To be eligible to play Division I or II athletics, students need to fulfill the NCAA core course requirements listed below. In addition, students' ACT/SAT test scores and GPA are also a factor for eligibility. By registering with the NCAA, students can plan their academic career with these requirements in mind. See your counselor for further information.

COURSES APPROVED BY NCAA **The courses below are NCAA approved**	
English 9 A/B/C English 10 A/B English 10: AP Seminar A/B/C English 11 A/B AP English Literature A/B/C English 12 A/B College English 1121 Geometry A/B/C Advanced Algebra A/B/C Math Analysis A/B/C Intro to Statistics A/B AP Calculus A/B/C AP Computer Science A/B Earth Science A/B/C Biology A/B Applied Chemistry A/B College Chemistry A/B/C AP Physics A/B/C College Biology 1100 A/B Anatomy & Physiology A/B Astronomy Forensics Meteorology	World Studies A/B US History A/B AP US History A/B/C US Government College American Government 1111 Geography AP Human Geography A/B AP Computer Science Psychology College Psychology 1110 Economics AP Macroeconomics A/B AP Microeconomics A/B Spanish I A/B Spanish II A/B Spanish III A/B Spanish IV A/B

DIVISION I

16 Core Courses

- 4 years of English
- 3 years of Mathematics (Geometry or higher)
- 2 years of Natural/Physical Science (1 year of lab if offered by high school)
- 1 year of additional English, Mathematics or Natural/Physical Science
- 2 years of Social Science
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)
- Earn a 2.3 grade point average or better in your core courses

DIVISION II

16 Core Courses

- 3 years of English
- 2 years of Mathematics (Geometry & higher)
- 2 years of Natural/Physical Science (1 year of lab if offered by high school)
- 3 years of additional English, Mathematics or Natural/Physical Science
- 2 years of Social Science
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)
- Earn a 2.200 grade point average or better in your core courses

Tiger Career Academies

The purposes of the career academies are to:

1. Connect students to real-world outside experiences
2. Make academies viable for all students
3. Provide a rigorous program with meaning and relevance to the field
4. Align our current program to the MN career wheel

Criteria for Graduation

Graduation in an Academy: Graduates in an academy have demonstrated competency in a designated pathway. Students graduating in an academy are recognized in the graduation ceremony program. To graduate from an academy students must have successfully earned the credit in 3 or more individual pathway courses..

Advanced Achievement recognition: Students may choose to pursue the recognition of Advanced Achievement in their chosen academy. Students successfully completing the Advanced Achievement requirements within their academy will receive additional insignia to wear at the graduation ceremony. To graduate from an academy with Advanced Achievement recognition students must have successfully earned the credit in 3 or more individual pathway courses and successfully complete the Tiger Career Academy Internship course.

Clicking on the course titles in the grids below will bring you to the corresponding course descriptions.

Business, Management, and Administration Academy	Business, management, and administrative workers give the support needed to make a business run. You might check employee time records or train new employees. Or, you might work as a top executive and provide the overall direction for a company or department.	
Business, Management, Entrepreneurship, & Marketing Pathway	**Finance, Economics, & Accounting Pathway**	**Culinary Arts Pathway**
• Intro to Marketing • Intro to Entrepreneurship • AP Microeconomics A • AP Microeconomics B • AP Macroeconomics A • AP Macroeconomics B • POM Principles of Business, Marketing, & Finance • POM The Legal Environment of Business • POMPrinciples of Human Resources • 21st Century Skills I • 21st Century Skills II	• Accounting IA • Accounting IB • Accounting IIA • Accounting IIB • Personal Finance • Introduction to Statistics A • Introduction to Statistics B • AP Microeconomics A • AP Microeconomics B • AP Macroeconomics A • AP Macroeconomics B • POM Principles of Business, Marketing, & Finance • 21st Century Skills I • 21st Century Skills II	• Get the FACS • Baking • Meals • Advanced Foods I • Advanced Foods II

Information Systems, Communications and Art Academy		Arts, audio/video technology, and communications workers use creativity and their talents on the job. You might work for an audience as a performer or artist. This includes painters, dancers, sculptors, actors, and singers. Or, you might work behind the scenes to make a performance successful. This includes set designers, editors, broadcast technicians, and camera operators.		
Performing Arts Pathway	**Journalism & Broadcasting Pathway**	**Visual Arts Pathway**	**Applied Arts Pathway**	**Information Technology Pathway**
• Concert Band A • Concert Band B • Concert Band C • Varsity Band A • Varsity Band B • Varsity Band C • Concert Choir A • Concert Choir B • Concert Choir C • Mixed Chorus A • Mixed Chorus B • Mixed Chorus C • Audacia A • Audacia B • Audacia C • Intro to Guitar • Symphonic Winds A • Symphonic Winds B • Symphonic Winds C • Speech • Drama I • Drama II • POM Music Appreciation	• Photography • Yearbook Publications I • Yearbook Publications II • Yearbook Publications III • Digital Art • Video Production • Speech • Broadcast Journalism/Production • Community Collaboration Project* • Multimedia Creations • AP Seminar-A • AP Seminar-B • AP Seminar-C	• Basic Art • Drawing I • Drawing II • Pottery I • Pottery II • Sculpture • Photography • Digital Art • Watercolor Painting • Painting I • Painting II • POM Arts History & Appreciation	• Basic Art • Pottery I • Pottery II • Jewelry I • Jewelry II • Photography • Digital Art • Interior Design • Fashion and Fabrics I • Fashion and Fabrics II • POM Arts History & Appreciation	• Digital Art • 21st Century Skills I • 21st Century Skills II • AP Computer Science A • AP Computer Science B • Game Design & App Development • Computer Technology Hardware • POM Computer Science Essentials

*Community Collaboration Project MAY apply to the academy, depending upon the project(s) completed.

Engineering, Manufacturing, and Technology Academy			Manufacturing workers work with products and equipment. You might design a new product, decide how the product will be made, or make the product. You might work on cars, computers, appliances, airplanes, or electronic devices. Other manufacturing workers install or repair products. For example, you might install refrigerators or washers, repair plumbing in commercial buildings, or diagnose engine problems in cars and trucks.
Construction Pathway	**Manufacturing Pathway**	**Transportation & Automotive Pathway**	**Science, Technology, & Engineering Pathway**
• Intro to Trade Skills • Woods I • Woods II • Woods III • Electrical Wiring • Building Construction • AP Calculus A • AP Calculus B • AP Calculus C • Community Collaboration Project*	• Intro to Trade Skills • Welding I • Welding II • Welding for Projects • Advanced Welding • Electrical Wiring • Community Collaboration Project*	• Intro to Trade Skills • Small Engines I • Small Engines II • Automotive • Recreational Vehicles/Transportation Systems & Design • Welding I • Welding II • Welding for Projects • Advanced Welding	• Intro to Trade Skills • 21st Century Skills • 21st Century Skills II • Technology & Engineering • Technology & Engineering II • Technology & Engineering III • Drones & Industry Engineering • Computer Technology Hardware • Game Design & App Development • AP Computer Science A • AP Computer Science B • AP Physics A • AP Physics B • AP Physics C • AP Calculus A • AP Calculus B • AP Calculus C • POM Computer Science Essentials • Community Collaboration Project*

*Community Collaboration Project MAY apply to the academy, depending upon the project(s) completed.

Health Science Academy	Health science workers promote health and wellness. They diagnose and treat injuries and disease. As a physician, dentist, or nurse, you could work directly with patients. You could also work in a laboratory to get information used in research or provide administrative support by keeping medical records. Health science jobs are found at a variety of different sites. For example, you could work in a hospital, office, clinic, or nursing home. Or you could work on a cruise ship, at a sports arena, or within a patient's home.	
Diagnostic Services Pathway	**Therapeutic Services Pathway**	**Support Services Pathway**
• Anatomy and Physiology A • Anatomy and Physiology B • Medical Terminology • Health & Career Exploration • College Chemistry A • College Chemistry B • College Chemistry C • College Biology A • College Biology B • Introduction to Exercise Science • POM Intro to Health & Medical Science	• Anatomy and Physiology A • Anatomy and Physiology B • Medical Terminology • Health & Career Exploration • Psychology • College Psychology A • College Psychology B • College Biology A • College Biology B • Strength and Conditioning • Introduction to Exercise Science • POM Intro to Health & Medical Science	• Anatomy and Physiology A • Anatomy and Physiology B • Medical Terminology • Health & Career Exploration • College Chemistry A • College Chemistry B • College Chemistry C • College Biology A • College Biology B • Forensics • Strength and Conditioning • Introduction to Exercise Science • Certified Nursing Assistant (in collaboration with Milaca HS) • POM Intro to Nursing I • POM Intro to Nursing II • POM Intro to Health & Medical Science • ITV College Healthcare Academy • ITV College Emergency Medical Responder

Agriculture and Natural Resources Academy	Agriculture, food, and natural resources workers produce agricultural goods. This includes food, plants, animals, fabrics, wood, and crops. You might work on a farm, ranch, dairy, orchard, greenhouse, or plant nursery. You could also work in a clinic or laboratory as a scientist or engineer. Some agriculture, food, and natural resources workers market, sell, or finance agricultural goods. For example, you might market products made from plants and animals. Or, you might sell services that farmers and ranchers use to improve products. You could also work to conserve natural resources or protect the environment.	
Animal Systems Pathway	**Plant Systems & Agriculture Pathway**	**Natural Resources Pathway**
• Companion Animals & Pets • Animal Science A • Animal Science B • Veterinary Science • Wildlife Studies I • Wildlife Studies II	• Meteorology • Environmental Science • Floral Design/Horticulture • Advanced Floral Design/Horticulture • Landscaping Horticulture • Advanced Landscaping Horticulture • College Biology A • College Biology B • College Chemistry A • College Chemistry B • College Chemistry C • AP Human Geography A • AP Human Geography B	• Wildlife Studies I • Wildlife Studies II • Natural Resources A • Natural Resources B • College Biology A • College Biology B • Meteorology • Environmental Science • AP Human Geography A • AP Human Geography B

Human Services Academy	Human services workers help individuals and families meet their personal needs. Human service jobs are found at a variety of different sites. You might work in a government office, hospital, nonprofit agency, nursing home, spa, hotel, or school. Or, you might work in your own home.	
Law, Public Safety, & Government Pathway	**Human Services Pathway**	**Education & Training Pathway**
• Forensics • Speech • Psychology • College Psychology A • College Psychology B • College American Government A • College American Government B • AP Human Geography A • AP Human Geography B • POM The Legal Environment of Business • POM Multicultural Studies	• Psychology • College Psychology A • College Psychology B • College Biology • Anatomy/Physiology • Child Development • Exploring Childhood Careers A • Exploring Childhood Careers B • Spanish I A • Spanish I B • Spanish II A • Spanish II B • Spanish III A • Spanish III B • Spanish IV A • Spanish IV B • ASL I A • ASL I BB • AP Human Geography A • AP Human Geography B • POM Multicultural Studies • American Sign Language I-A • American Sign Language I-B • American Sign Language I-C • American Sign Language II-A • American Sign Language II-B • American Sign Language II-C	• Speech • Psychology • College Psychology A • College Psychology B • Child Development • Exploring Childhood Careers A • Exploring Childhood Careers B • Officiating, Sport, & Coaching • Spanish I A • Spanish I B • Spanish II A • Spanish II B • Spanish III A • Spanish III B • Spanish IV A • Spanish IV B • ASL I A • ASL I B • POM Multicultural Studies • ITV College Early Childhood Education Academy • College English-A • College English-B • AP English Literature-A • AP English Literature-B • AP English Literature-C • English 10: AP Seminar-A • English 10: AP Seminar-B • English 10-AP Seminar-C • American Sign Language I-A • American Sign Language I-B • American Sign Language I-C • American Sign Language II-A • American Sign Language II-B • American Sign Language II-C

Academy definitions come from careerwise.minnstate.edu/careers/clusters.html

Agriculture

Students in CTE courses are encouraged to create an account on CTE Credit MN in order to explore careers, earn college credit and complete career and technical programs before graduating from high school.
This website collects the following data on students; legal name, address, email address, name of schools attended, date of birth, grade level, student enrollment in ARCC courses, date of enrollment and date of course completion.
For more information about how CTE Credit MN collects and uses data, you can view their privacy policy. This information is listed on the district Software Inventory document located on the district website:
https://www.isd477.org/academics/instructional-technology/software-inventory

00050 - INTRODUCTION TO TRADE SKILLS

1 credit per term **Grades 9, 10**
Course fee may apply to this course.

This class will help develop skills in several areas that will be beneficial to students for general construction and repair work as well as shop classes students will take in the future. The class will involve the building of several small projects in each of the areas listed below. This class will cover the following areas: Hot & Cold Metals, Electricity, Tool Reconditioning, Plumbing, Power Tools, Welding, and Pneumatics. Additional fee applies for projects completed and taken home

00052 - WELDING I

1 credit per term **Grades 9, 10, 11, 12**

This class will be an introduction to stick arc, wire feed, TIG and gas welding as well as cutting with oxy-acetylene and plasma. Most of the time will be spent practicing with the different processes and types of joints. These processes include arc welding, gas welding, oxy-fuel cutting, plasma cutting, TIG welding, wire feed welding and power machine safety.

00054 - WELDING II

1 credit per term **Grades 10, 11, 12**
Prerequisite: Welding I
Eligible for Articulated College Credit

This class will advance student skills in stick arc, wire feed, oxy-fuel, TIG welding, oxy-fuel brazing, automatic oxy-fuel cutting, oxy-fuel and plasma cutting.

00056 - WELDING FOR PROJECTS

1 credit per term **Grades 10, 11, 12**
Prerequisite: Welding II
Eligible for Articulated College Credit

Students will be able to build a project for their own use like engine stands, weight lifting equipment, grills or other projects. Students will draw projects to scale, figure materials and costs, then construct and finish the project.

00058 - ADVANCED WELDING

College in the Schools (CIS)
1 credit per term **Grades 10, 11, 12**
Prerequisite: Welding II
Eligible for Articulated College Credit
Students may earn up to seven (7) college credits through St. Cloud Technical College. See page 9.

This advanced class will further develop skills in arc, oxy-fuel, MIG and TIG welding as well as oxy-fuel and plasma cutting, building on Welding I, II & III skills plus welding aluminum and stainless steel with TIG. After successful completion of this class, the Tech Prep (2 + 2) credits will be awarded through St. Cloud Technical & Community College.

00060 - BUILDING CONSTRUCTION

2-HOUR BLOCK
2 credits per term **Grades 10, 11, 12**
Prerequisite: Woods I
Eligible for Articulated College Credit

Several exciting building trade areas will be your daily routine in this class. The class will meet for 2 hours each day in a vocational setting. In class, instruction is combined with practical hands-on framing projects that include building storage buildings, fish houses or playhouses.

00064 - ELECTRICAL WIRING

1 credit per term **Grades 10, 11, 12**

This class will cover the basics of electrical wiring for residential buildings. Most of the time will be spent doing actual wiring exercises including wiring of switches and outlets, fuses and circuit breakers and electric motors and controls.

00066 - WILDLIFE STUDIES I

1 credit per term **Grades 9, 10**

Do you enjoy the outdoors or hunting? This class is designed for students who are interested in wildlife and the outdoors for hunting and recreational purposes. Students learn about animal identification and life cycles. Areas of study include game animal species, waterfowl, and trapshooting. All students will have an opportunity to earn an Advanced Hunter Education Certificate. A taxidermy project is also included in the course. *Additional fee applies for projects completed and taken home ($20 or $35)*

00072 - WILDLIFE STUDIES II

1 credit per term **Grades 11, 12**
Eligible for Articulated College Credit

Students will participate in advanced hands-on activities related to forestry, waterfowl, water, soil, wildlife, careers in the area, and taxidermy. Students will research and study current events and news related to natural resources in the United States. *Additional fee applies for projects completed and taken home.*

00068 - COMPANION ANIMALS & PETS

1 credit per term **Grades 9, 10**

Students will learn about the variety of animals used for pets in this introductory animal course. Students will also learn how to make responsible decisions regarding pet ownership, evaluate sources to buy pets from, as well as learn about the breeds, basic care, handling, and management of common pets. Units include pet ownership, safety issues, dogs, cats, rabbits, rodents, birds, reptiles, amphibians, and fish.

00070 - ANIMAL SCIENCE-A

1 credit per term **Grades 10, 11, 12**

Interested in knowing where your food and clothing comes from? In this course, students will learn about the different uses for agricultural animals and how scientific advances have changed how animal agriculture operates today, including the principles of genetics, and the biological technologies that are commonly used in the livestock industries. This is an excellent course for those interested in animals, or those wishing to earn science credit. Units include animal by-products, beef, dairy, pork, poultry, fiber, and horse industries, scientific method, reproductive technologies, careers, genetics, and biotechnology.

00071 - ANIMAL SCIENCE-B

1 credit per term **Grades 10, 11, 12**
Prerequisite: Animal Science A

Interested in animals or a science career that relates to animals? In this course, students will learn about scientific methods and technologies used in animal industries, as well as principles of cell division and DNA replication. Students will also learn about conditions that result from problems during cell processes, and how biotechnologies are used in the agriculture industry. This is an excellent course for those interested in animals, or those wishing to earn science credit. Units include animal organ systems, cell function and division, animal reproduction, DNA, protein synthesis, and biotechnology.

00076 - VETERINARY SCIENCE

1 credit per term **Grades 10, 11, 12**

A course designed for students interested in pursuing a career or schooling related to animals or the medical profession. Students will learn about how animals' immune systems fight diseases, organisms that cause disease, the process to diagnose diseases, methods for treatment, and surgical procedures used in the medical fields. Units include the immune system, infectious diseases, disease prevention, diagnosis and treatment of diseases, principles of surgery, and animal-related careers.

00074/00075 - NATURAL RESOURCES A/B

1 credit per term **Grades 10, 11, 12**
Eligible for Articulated College Credit

The environment, wildlife, soil and water, forestry and plants are the primary focus of this course. The first term will cover basic wildlife concepts, as well as forestry and leaf identification. Taxidermy of birds, or decoy painting is also a component. The second term will focus primarily on fish, soil, land use and water.
Additional fee applies for projects completed and taken home.

00080 - FLORAL DESIGN / HORTICULTURE

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement
Eligible for Articulated College Credit

This course involves many hands-on activities including plant propagation, flower production, floral design, and corsage making. Students will be involved in greenhouse management for the purpose of growing bedding plants, flowers, and garden vegetables. Students will also prepare and manage the Holiday Plant Sale, Valentine's Day flower sale and spring plant sale. Each student will go home with flowers valuing at least $150.00.*Additional fee applies for projects completed and taken home ($30)*

00081 - ADVANCED FLORAL DESIGN / HORTICULTURE

1 credit per term **Grades 10, 11, 12**
Prerequisite: Floral Design/Horticulture

This course involves advanced hands-on activities involving floral design and horticulture. Advanced students will be in charge of the management tasks of the greenhouse and also the business and designing aspects of daily, monthly, and seasonal floral orders. Advanced students will also design and take home their own arrangements.
Additional fee applies for projects completed and taken home ($30)

00082 - LANDSCAPING HORTICULTURE

1 credit per term **Grades 10, 11, 12**
Eligible for Articulated College Credit

Students in this class will participate in many hands-on activities including landscape design and materials, lawn and turf grass establishment and yard maintenance. Students will have the opportunity to create and implement an actual landscaping project. Lessons will also include plant science, basic plant care and propagation. The class will grow some of the plants used for outdoor projects.

00083 - ADVANCED LANDSCAPING HORTICULTURE

1 credit per term **Grades 10, 11, 12**
Prerequisite: Adv Floral Horticulture OR Landscaping Horticulture

Is design your passion? Would you like to have a career in landscaping, horticulture or floral design? This course will focus on design and expanding your knowledge in these areas. Hands-on assignments and assessments will be tailored to fit the students interests. This will be an advanced course and students will be expected to put in time out of the classroom. Course fees may apply.

Art

00120 - VISUAL ART I

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement

The purpose of Visual Art I is for students to be introduced to the art production process including planning, producing, and reflecting on art. Students explore various 2D and 3D media, skills, and techniques. Projects may include, but not limited to drawing, painting, printmaking, collage, mixed media, pottery, and sculpture. Students will employ the use of the elements of art throughout the production process.

00122 - DRAWING I

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement

Drawing I is a class in which the student explores different methods of seeing and drawing. Students will be introduced to several drawing techniques using graphite, charcoal, pen/ink, scratchboard, and colored pencils. Students will also have the opportunity to practice and grow in self-expression and creativity.

00124 - DRAWING II

1 credit per term **Grades 9, 10, 11, 12**
Prerequisite: Drawing I
Meets an art requirement

Drawing II will investigate broad and fine drawing media using creative expression and originality. Emphasis will be on still life, landscape, some graphic design, and design problems emphasizing the principles and elements of design.

00126 - POTTERY I

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement

Pottery I is a technical introduction to the basic methods of construction and design of pottery. Students will study the basic form, function, and design of pottery. Students create a variety of projects to become comfortable with the possibilities of clay. Study of glazing techniques, function, and operation of an electric kiln are included as well as the technical terminology involved with pottery.

00128 - POTTERY II

1 credit per term **Grades 9, 10, 11, 12**
Prerequisite: Pottery I
Meets an art requirement

Pottery II is a course for students choosing to expand on their pottery skills. This course is geared to wheel thrown forms made on a pottery wheel, as well as hand building techniques. Design, glazing and firing will be reviewed and expanded upon as well as forming of many decorative and functional types of pieces. This class is designed for the independent artist seeking to expand their pottery skills by developing a high degree of design and craftsmanship.

00129 - POTTERY III

1 credit per term **Grades 10, 11, 12**
Prerequisite: Pottery I & Pottery II
Meets an art requirement

This course is designed to explore more advanced pottery techniques and construction methods while emphasizing ceramics as *art*. Students will have the opportunity to take a more individualized approach to the projects in order to communicate their ideas and concepts. Wheel throwing will be emphasized but not required. Throughout the course, students will have opportunities to critique and reflect on their work and the work of their peers, fostering a collaborative and supportive learning environment.

00130 - SCULPTURE

1 credit per term **Grades 10, 11, 12**
Meets an art requirement

Sculpture introduces students to methods and materials of 3-dimensional art. Sculptures will be completed with major emphasis on form, volume, line, positive and negative space, and texture. The elements and principles of design will also be emphasized. Students will be sculpting with plaster, foam, clay, natural found objects, and wire.

00132 - JEWELRY I

1 credit per term **Grades 10, 11, 12**
Meets an art requirement

The course is an introduction to the basic techniques and terminology of hand cast jewelry. Students will explore a variety of processes in creating jewelry, learn how to use design in functional art including the elements and principles of design. Students will strive to understand as many of the tools, techniques and procedures as time and interest allow. Quality craftsmanship is stressed. Jewelry pieces will be cast and fabricated in pewter.

00133 - JEWELRY II

1 credit per term **Grades 10, 11, 12**
Prerequisite: Jewelry I
Meets an art requirement

After Jewelry I, students expand their jewelry skills through exposure to six new units of instruction. Students will explore creating a piece of jewelry through wire bending, learn how to cut and fuse glass to create a pendant, and knotting techniques and working with textiles and beads. Students will explore the possibilities of shrink plastic in creating jewelry and, design and create a pendant using resin, and create a figure or pendant through sand casting. With each unit, students will use design in functional art including the elements and principles of design. Students will strive to understand as many of the tools, techniques and procedures as time and interest allow. Quality craftsmanship is stressed.

00134 - WATERCOLOR PAINTING

1 credit per term **Grades 10, 11, 12**
Meets an art requirement

Watercolor painting is a technical introduction to methods and terminology of watercolor. Students will utilize a number of techniques in still lives, landscapes, and expressive paintings. Emphasis will be placed on the elements of principles of design.

0136 - PAINTING I

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement

Painting I teaches the student to compose and paint in acrylic media. The student will study and pursue specific areas and subjects to develop their individual style. Students will study art history and different artistic movements including Surrealism, Impressionism, and the Renaissance. Students will also be introduced to color theory and techniques.

00138 - PAINTING II

1 credit per term **Grades 9, 10, 11, 12**
Prerequisite: Painting I
Meets an art requirement

Painting II is designed for the enthusiastic artist looking to expand on their painting style and technique. Students will be experimenting with application techniques as well as painting surfaces. Emphasis will be placed on the students' creativity.

00139 - DIGITAL ART

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement

In Digital Art students will learn the technical aspects of computer-generated imagery and digital design programs as well as the basic elements of art and design principles needed. Artwork will include digital drawing, painting, collage, image manipulation, and text/typography design.

ADVANCED STUDY

1 credit per term **Grade 12 ONLY**
Prerequisite: ALL ART CLASSES
Must have instructor approval.

Advanced study opportunities will ONLY be considered when a majority of all the art classes have been taken. The student must have received a minimum grade of a "B" in each art class. An advanced study is an art class designed for the student looking to develop an art portfolio, or a student looking to emphasize study in a particular medium.

Business

Students in CTE courses are encouraged to create an account on CTE Credit MN in order to explore careers, earn college credit and complete career and technical programs before graduating from high school.
This website collects the following data on students; legal name, address, email address, name of schools attended, date of birth, grade level, student enrollment in ARCC courses, date of enrollment and date of course completion.
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https://www.isd477.org/academics/instructional-technology/software-inventory

00150 - INTRODUCTION TO ENTREPRENEURSHIP

1 credit per term **Grades 9, 10, 11, 12**

Introduction to Entrepreneurship is for students to learn the core knowledge and skills needed for starting their own business venture or a non-profit organization and develop an entrepreneurial mindset. Students will investigate the impact entrepreneurs have on the economy while exploring diverse pathways to entrepreneurship. They will engage in the discovery process to generate and validate new business ideas and develop a plan to market their business. The class examines entrepreneurial theory as well as real world situations. This is a group project-driven class that allows the students' opportunities to determine their assignments based on their interests. At the end of this trimester, students will be presenting a *Shark Tank* inspired pitch to the class in their business teams.

00156 - 21st CENTURY SKILLS I

1 credit per term **Grades 10, 11, 12**

21st Century Skills I will focus on developing skills in word processing, spreadsheet, presentation, and database software applications. This course will help students prepare for the Microsoft Office Specialist exams in Word, Excel, and PowerPoint. Students will develop production pieces such as emails, social media profiles and posts, announcements, research reports, resumes, and business letters. Students will create worksheets with formulas and functions, and graphical charts. Students will learn to develop presentations with charts, graphics and special effects. As part of the course, students become familiar with the ethics of copyright, downloading and file sharing.

00166 - PERSONAL FINANCE

1 credit per term **Grades 10, 11, 12**

In Personal Finance, students will develop financial literacy knowledge and skills to prepare them for life after high school. Students will learn how to get full value for their spending and will develop an understanding of how to make better money decisions. They will also learn how to make money work for them. Topics will include establishing a budget, saving and investment options (stocks, bonds, real estate, etc.), selecting and using credit options, financial problem solving and decision making, banking organization services options, and managing risk through insurance. Stock market simulations and financial management simulations may be used.

ACCOUNTING I A/B

1 credit per term **Grades 10, 11, 12**
May be Eligible for Articulated College Credit
COURSE TAUGHT THROUGH PRINCETON ONLINE MN

In Accounting I, students will learn to systematically and accurately keep track of financial records that a business needs in order to be successful. Any student who plans to enter any phase of business should have some knowledge of accounting. Students thinking of taking post-secondary business courses will find a background of high school accounting to be extremely helpful. For students interested in opening their own business someday, this class is a must.

ACCOUNTING II A/B

1 credit per term **Grades 11, 12**
Prerequisite: Accounting I
May be Eligible for Articulated College Credit
COURSE TAUGHT THROUGH PRINCETON ONLINE MN

In Accounting II, students will build on the skills acquired in Accounting I. This course is recommended for students who want to become accounting clerks upon graduation from high school, want to go to post-secondary in accounting (or any phase of business) or want to broaden and improve knowledge, understanding, and application of accounting principles. Students will have hands-on experience through the school store.

00152 - INTRODUCTION TO MARKETING

1 credit per term **Grades 10, 11, 12**

Introduction to Marketing is for students to develop an understanding of how successful businesses use targeted marketing strategies. Students will examine the principles and practices of advertising, as well as the promotion and sale of products and services. Topics include: advertising psychology, study of various media, advertising planning and budgeting, advertising design and layout, and use of the Internet and social media as marketing tools. This course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge. Student products are typically developed in simulated and real-world settings.

English / Language Arts

Students are required to take English each year at the high school, earning a total of 9 credits. The following courses are required:

- English 9 A/B/C
- English 10 A/B or AP English 10 A/B/C
- English 11 A/B or AP English Lit A/B/C
- English 12 A/B or Yearbook Publications I & II or CIS English 1121 A/B

00200/00201/00215 - ENGLISH 9 A/B/C

1 credit per term **Grade 9**
REQUIRED FOR ALL FRESHMEN
NCAA APPROVED

English 9 A/B/C utilizes the Pre-AP English 1 & 2 curriculum, focusing on reading, writing, and language skills relevant to students' current work and essential for students' future high school and post-secondary choices. Texts take center stage, preparing students for close, critical reading and analytical writing.

00220/00230 - ENGLISH 10 A/B

1 credit per term **Grade 10**
REQUIRED FOR ALL SOPHOMORES
NCAA APPROVED

Students will study the characteristics of literature, and they will learn to organize and develop ideas in written form as well as learn and practice basic communication skills. Areas of study may include novels, short stories, dramatic literature, grammar, vocabulary, and composition. They will understand the elements of effective public speaking and perform a variety of speeches.

00246/00247/00248 - ENGLISH 10: AP SEMINAR A/B/C

1 credit per term **Grade 10**
NCAA APPROVED
EXTENSIVE READING REQUIRED

AP English 10 will utilize the AP Seminar curriculum, focusing on engaging students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas in writing and through public speaking.

00236/00237 - ENGLISH 11 A/B

1 credit per term **Grade 11**
REQUIRED FOR ALL JUNIORS
NCAA APPROVED

Students will explore a variety of American literature and examine how these works influence and shape American culture. In this course, students will need to read extensively and dig deeper into the content to determine underlying themes and author messages.

00238/00239/00249 - AP ENGLISH LITERATURE A/B/C

1 credit per term **Grade 11**
NCAA APPROVED
EXTENSIVE READING REQUIRED

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

00240/00274 - ENGLISH 12 A/B

1 credit per term **Grade 12**
REQUIRED FOR ALL SENIORS
NCAA APPROVED

This course will present an overview of English literature from Old English to the present. History, music, art, and other disciplines will be presented as they pertain to the literature. Writing assignments and other forms of assessment will be given based on the literature. Students will also explore creative writing.

00244/00245 - COLLEGE ENGLISH 1121 A/B

College in the Schools (CIS)
1 HS credit per term **Grade 12**
College Writing and Critical Reading
NCAA APPROVED

Students may earn four (4) college credits through Anoka-Ramsey Community College. Students MUST pass both portions of the Accuplacer college entrance exam. Seniors MUST be in the top ½ of their class. See page 9 for more details.

This course is the college-level composition course required for the AA, the AS, or the AAS degree. It is similar to "Introduction to Theoretical and Analytical Writing" at St. Cloud State University and "University Writing and Critical Reading" at the University of Minnesota. It is designed to transfer to most four-year institutions and satisfies the Communication and Critical thinking areas of emphasis in the Minnesota Transfer Curriculum. This class will concentrate on the writing process to plan, organize and develop coherent essays. It covers the ARCC common course outline for English 1121: College Writing & Critical Reading in addition to high school British Literature content.

00260/0264 -YEARBOOK PUBLICATIONS I & II (Trimesters 1 & 2)

1 credit per term **Grades 11, 12**
STUDENTS MUST REGISTER FOR BOTH COURSES
Prerequisite: If more than 24 students register, selection criteria will be based on application, seniority, previous experience, recommendations, and scheduling issues.

Yearbook Publications is a course in which students plan, design, and create the school's *Tiger* yearbook publication. Students will create spreads, take photos of events, edit photos, interview students, and use the writing process to publish their work in the yearbook. This is a two trimester course that is repeatable, offering advanced assignments for returning students, including the possibility of serving as an editor. This course offers self-motivated students the opportunity to demonstrate their creativity and accountability while creating a product for the student body. Students may elect to take this course for their required English 12A and English 12B courses. Only one section is offered and enrollment will be determined based on the criteria listed above (see prerequisite information). This course meets the same essential standards as English 12A and 12B but within the Yearbook Publications curriculum. Students who register for this course but are not accepted will be placed into English 12A/B courses. Students must enroll in both sections of this course.

00262 - YEARBOOK PUBLICATIONS III (Trimester 3)

1 credit per term **Grades 11, 12**

Yearbook Publications III is an elective class offered to juniors and seniors. It is the last of the three-trimester Yearbook Publications course. In Yearbook Publications III, students will learn the basics of journalism including spread design, copywriting, photography, editing, marketing, and production. Students will apply that knowledge to the creation of the spring yearbook supplement and student newsletters, as well as in finishing up the yearbook and distributing the yearbook.

00250 - DRAMA I

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement

Drama I is an introductory theater course offered for those students who are interested in theater and acting.
This course will cover theater history and terminology, and discuss/read plays within their historical perspective and their performance. Once a background of theater has been established, the course will introduce students to the performance aspects of theater. It will focus on acting techniques: improvisation, vocalization, characterization, and physical movement. The course will culminate with a required performance to the public. Additional coursework will include written tests, play and character analyses, monologue, and scene work.

00252 - DRAMA II

1 credit per term **Grades 10, 11, 12**
Prerequisite: Drama I
Meets an art requirement

Drama II is designed to include the elements of technical theater: Set Design and Construction - Lighting Design and plotting - Costume design and creation - Make-up Design and application into the students' expanding knowledge of theater. The course will also continue to develop the student's ability to perform individually and within an ensemble. Student directing may also be included as time permits. Students will continue to develop their acting through monologues, duets, one-act and full-length plays, including a required public performance. If time allows, students will be given the opportunity to direct.

00254 - SPEECH

1 credit per term **Grades 10, 11, 12**

Speech is a one trimester course where students will gain the ability to present ideas orally in a variety of manners to an audience or small group. Students will develop the ability to critique and analyze the effectiveness of various communication styles.

Family and Consumer Sciences

Students in CTE courses are encouraged to create an account on CTE Credit MN in order to explore careers, earn college credit and complete career and technical programs before graduating from high school.
This website collects the following data on students; legal name, address, email address, name of schools attended, date of birth, grade level, student enrollment in ARCC courses, date of enrollment and date of course completion.
For more information about how CTE Credit MN collects and uses data, you can view their privacy policy. This information is listed on the district Software Inventory document located on the district website:
https://www.isd477.org/academics/instructional-technology/software-inventory

00360 - CHILD DEVELOPMENT

1 credit per term **Grades 9, 10, 11, 12**
Eligible for Articulated College Credit

Child Development is theoretical and practical experience in the area of child psychology and is centered on areas of physical, intellectual, social and emotional development during infancy, toddlerhood, preschool and the prenatal period. Included is an analysis of developmental needs including: behavior patterns, personality development, role of play, biological and environmental factors, developmental theories, healthy parenting practices, and the effects on processes by which children mature. Application of information in Child Development entails but is not limited to observations and an opportunity to experience a “Baby Think It Over” simulator.

00362/00363 - EXPLORING CHILDHOOD DEVELOPMENT CAREERS A/B 2-HOUR BLOCK

2 credits **Grades 11, 12**
Prerequisite: Child Development
Eligible for Articulated College Credit

Exploring Childhood Careers is a hands-on course that prepares individuals for careers related to early childhood education and is recommended for students considering careers involving children (counselor, social worker, teacher, nurse, child care, head start teacher). Students examine elements of successful early childhood programming such as: preparing and implementing learning experiences for children, application of individual teaching skills, and preparation for a child related career. The course prepares students to design, teach and interact with young school age children and will apply child development concepts on an ongoing basis through working relationships with children in preschool or elementary classroom settings.

00366 - BAKING

1 credit per term **Grades 9, 10, 11, 12**

Baking will introduce students to the study of functions of ingredients in baked products. Students will apply this knowledge to prepare a variety of baked products including quick breads, yeast breads, cakes, cookies and candies. Students will also study the importance of safety and sanitation, and the use and care of kitchen equipment.

00368 - MEALS

1 credit per term **Grades 9, 10, 11, 12**

Meals will introduce students to the principles of cooking and meal preparation. Students will apply this knowledge to prepare a variety of food products including fruit and vegetable dishes, soups, salads, and pasta dishes. Included in this course is the study of nutrition principles such as, understanding MyPlate and selecting food based on nutrient needs. Students will also study the importance of safety and sanitation, and the care and use of kitchen equipment.

00369 - ADVANCED FOODS I
2-HOUR BLOCK

2 credits per term **Grades 10, 11, 12**
Prerequisites: Baking AND Meals
Eligible for Articulated College Credit
Certificate Available: Fusion Food Safety

Advanced Foods I is an opportunity for students to continue in their development of skills and techniques that are used throughout the restaurant, hospitality, and tourism industries and build upon prior knowledge gained in the Baking and Meals courses. Students will explore a variety of culinary cooking, baking, and pastry techniques while employing culinary math skills in food preparation and production. Students will end the course preparing and serving a five-course international meal.

00381 - ADVANCED FOODS II
2-HOUR BLOCK

2 credits per term **Grades 10, 11, 12**
Prerequisites: Baking, Meals, AND Adv Foods I
Eligible for Articulated College Credit
Certificate Available: Fusion Food Safety

Advanced Foods II is an opportunity for students to continue to develop skills for the restaurant, hospitality, and tourism industry. Students will refine their culinary skills through the study of food preparation principles and food service skills in the classroom and lab setting as they work in a team-oriented environment to prepare food following restaurant standards. Students will develop menus for managing, marketing and sales procedures, business math, and food cost control in relation to the food industry.

00370 - INDEPENDENT LIVING

1 credit per term **Grades 11, 12**

Independent Living focuses on components of successfully living away from home by analyzing roles students have as global consumers. Due to the needs of the 21st century, this course will furnish students with skills needed for both personal and family resource management and how they navigate through a world independently. Students will focus on making choices based on decision making abilities and personal income and budgetary practices by studying topics: understanding paychecks, consumer rights, finding an apartment/living space, purchasing a vehicle, credit card usage, identity theft, healthy and budget-friendly cooking, budgeting and the steps needed to manage resources effectively.

00374 - INTERIOR DESIGN

1 credit per term **Grades 9, 10, 11, 12**

Interior Design will provide a basic understanding of interior design and housing principles. Students will explore the profession and use creativity to develop interior design projects. The basics of interior design, developing an understanding of space planning, furniture arrangements, lighting, material and sample selection will be included. Students will utilize concepts of interior design and atheistic appeal when creating floor plans, room layouts, and a presentation board.

00375 - GET THE FACS

1 credit per term **Grades 9, 10, 11, 12**

What's for dinner? How should I spend my money? How can I be a responsible babysitter? What do I need to make it on my own? Do you ever find yourself in these situations? The introductory FACS course, "Get the FACS!" will give you the tools you need to answer these questions and more! Students will explore the areas in Family & Consumer Sciences of foods, nutrition, consumerism, child development, and sewing by using real world, hands-on experiences to prepare recipes in the classroom kitchens, run a small business, care for a child, and produce a hand sewn project.

00376 - FASHION AND FABRICS I

1 credit per term **Grades 9, 10, 11, 12**

Fashion and Fabrics explores the principles and elements of fashion and design through the study of color schemes, line, shape and form, and an overview of fashion design concepts. In addition, students will learn and gain experience using the basics of sewing including: reading patterns, pattern layout and cutting, and the use of a sewing machine. Students will complete projects in order to master basic sewing techniques and will need to purchase basic sewing supplies that will be for their personal use along with covering the cost of supplies.

00378 - FASHION AND FABRICS II

1 credit per term **Grades 9, 10, 11, 12**
Prerequisite: Fashion & Fabrics I

Fashion & Fabrics II builds upon the skills attained in Fashion & Fabrics in the career areas of fashion and sewing; preparing students to enter the workforce pursuing careers in Apparel and Fashion Design, or Apparel Alteration. This course aligns with the current Minnesota Programs of Study by preparing students to enter the workforce with the required skills needed for the industry. Concepts such as fashion, designing, textiles, and sewing/altering will be intensified.

00364/00365 EARLY CHILDHOOD EDUCATION ACADEMY

Intro to Early Childhood Education-Sem 1
Health, Safety, and Nutrition-Sem 2

1 credit per term **Grade 12**
Prerequisite: Child Development
Enrollment is limited, contact a guidance counselor. Students commit to a year-long course of virtual instruction. Students may earn 6 college credits through Pine Technical & Community College. See page 9.

The increasing need for educated early care and education caregivers can lead to a rewarding and challenging career in child care centers, pre-schools, early childhood education, and many other settings. The Early Childhood Education Academy exposes students to this in-demand field through four introductory courses. Students must be able to work independently. The course is offered via technology with an off-site teacher. (Pine Pathways - The college credit earned through the Early Childhood Education Academy will completely transfer into PTCC's Early Childhood Development certificate, diploma, and Associate of Applied Science degrees.)

Individualized Courses

All students registering for these courses must have an Individualized Education Plan (IEP). Appropriate placement is determined by the IEP team. Students are encouraged to contact their case manager for questions about appropriate placement.

English

00207/00208/00209 - ENGLISH II A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This course is a three-trimester English course designed to meet individual student needs. Students will build fluency skills while focusing on comprehension strategies while reading various literary sources such as short stories, articles, and novels. Students will also learn writing fundamentals, sentence structure, and paragraph structure.

00288/00289/00290 - ENGLISH III A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This course is a three-trimester English course designed to meet individual student needs. Students will focus on comprehension strategies while reading various novel units of different genres of literature. Students will also increase their writing skills in the areas of paragraph structure, and multi-paragraph essays.

00746/00747/00748- ENGLISH IV A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 11, 12**

This course is a three-trimester English course designed to meet individual student needs. Students will focus on analytical comprehension strategies while reading expository texts and various novel units of different genres of literature. Students will also increase their writing skills in the areas of essay multi-paragraph writing.

00003/00007/00008 - LANGUAGE FUNDAMENTALS I A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

The classroom focus is on learning essential concepts related to comprehension and expression of language, including social language skills. Skills taught enable students to communicate, write, and understand language and text for future success in school and life. Essential skills include making inferences, expanding Tier 2 vocabulary, using comprehension strategies, having discussions/conversations, using proper grammar and punctuation, creating verbal narratives, thinking critically and solving problems, understanding perspectives, and understanding figurative language. Students in this class have an IEP and IEP goals in the area of language.

00724/00725/00726 - LANGUAGE FUNDAMENTALS II A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 10, 11, 12**
Prerequisite: Language Fundamentals I

Students in this class must have an IEP and IEP goals in the area of language. The classroom focus is on expanding and deepening the level of understanding.

This course is the expansion of Language Fundamentals I. The classroom focus is on learning essential concepts related to comprehension and expression of language, including social language skills. Skills taught enable students to communicate, write, and understand language and text for future success in school and life. Essential skills include making inferences, expanding Tier 2 vocabulary, using comprehension strategies, having discussions/conversations, using proper grammar and punctuation, creating verbal narratives, thinking critically and solving problems, understanding perspectives, and understanding figurative language. Students in this class have an IEP and IEP goals in the area of language.

Math

00304/00305/00306 - EXPLORING BASIC MATH A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This math class is designed to meet individual student needs. Curriculum and teaching methods are modified. First trimester includes number patterns and algebra, statistics, graphs, and decimals. Second trimester includes fractions and integers. Third trimester includes solving equations, ratio, proportion, percents, and probability. This class is designed for the student who has a basic understanding of the basic facts but also needs work on improving or relearning those skills.

00307/00308/00309 - EXPLORING PRE-ALGEBRA A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This math class is designed to meet individual student needs. Curriculum and teaching methods are modified. First trimester includes decimal patterns and algebra, statistics, and integers. Second trimester includes Linear equations, functions, fractions, decimals, and percents. Third trimester includes ratios, proportions, percent, and probability. This class is designed for the student who has a basic understanding of the basic facts but also needs work on improving or relearning those skills.

00312/00313/00314 - EXPLORING INTERMEDIATE ALGEBRA A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This math class is for students who have an IEP that are ready for the basics of algebra. The class will work at the student's pace to examine and understand the foundation of algebra, how they work, and how to use them to solve problems. Students will focus on integers, absolute value, graphing, fractions, exponents, and solving multi-step equations.

00292/00293/00294 - EXPLORING GEOMETRY A/B/C

3 trimesters - IEP Required
1 credit per term **Grades 10, 11, 12**

This course is a modified math course that introduces general concepts. Curriculum and teaching methods are modified. The course will cover the following topics: tools of geometry, reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships with triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, transformations, area, surface area and volume, and circles.

00015/00016/00017 - CAREER MATH A/B/C

IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This course will provide students an opportunity to improve math skills, specifically the concept of counting money, estimation, and making change. Students will also learn employability skills necessary for today's workforce focusing on teamwork, problem solving, basic measurements, efficiency, attention to detail, hygiene, attitude and attendance/punctuality.

00300/00301/00302 - VOCATIONAL MATH A/B/C

IEP Required
1 credit per term **Grades 10, 11, 12**
NOT AVAILABLE IN 2025-2026

The course is meant to reflect the types of math problems that occur in the trade workplace. Some of these jobs include retail (cashier, stock person, salesperson) construction (carpenter, electrician) landscaping food service (cook, buyer, server) customer service (telemarketing, front desk, delivery person) home repair (painters, carpenters, carpet layers, movers, house cleaners, plumbers). Students will learn the techniques needed in order to facilitate working in a retail position.

00661/00662/00663 - EXPLORING PERSONAL FINANCE A/B/C

IEP Required
1 credit per term **Grades 10, 11, 12**

In the Exploring Personal Finance/Career Exploration course, students will learn budgeting skills, decision-making skills, and employability skills that will help create a foundation for independent living and employment. Students will research and learn about money management and the employment process, and will create documents that they may use in future employment endeavors. This is a specialized course for students with an individualized education program.

Science

00030/00031/00032- EXPLORING EARTH SCIENCE A/B/C

IEP Required
1 credit per term **Grades 11, 12**

This science course will focus on the foundational concepts of Earth Science and Biology. Students will research and learn concepts including the building blocks of living, the human body, and the Earth's water and atmosphere systems.

00295/00296- EXPLORING BIOLOGY A/B

IEP Required
1 credit per term **Grades 10, 11, 12**

The purpose of Exploring Biology is to meet individual student needs and for students to develop a foundational understanding of Scientific concepts. Students will form a habit of deepening their abilities to think logically and critically as they evolve to understand the foundations of Biology. Students will research and learn essential concepts including the Building Blocks of Living Things, Simple Organisms, the Plant & Animal Kingdoms, Human Body, and Ecology. This class is designed and directed towards 11th & 12th grade students on an Individualized Education Program.

Social Studies

00286/00287 - EXPLORING US HISTORY A/B

2 Trimesters - IEP Required
1 credit per term **Grades 10, 11, 12**

This class will look at the history of the United States from early settlers up through the Vietnam War. Various forms of information will be used including texts and video. The course examines not only the events that got America where it is, but how these events shaped what we do today. Discussion will include focus on different inventions that have changed social and behavioral patterns. The course work will include research projects, presentations, practice work, and tests.

00494 - EXPLORING GEOGRAPHY

1 Trimester - IEP Required
1 credit per term **Grade 9**

This class will include topics from geography, culture, and traditions of different countries around the world. Various forms of information will be used including texts and video. Examination of how the geography of the country shaped the people and traditions of that area is included. Students will engage in multiple research projects as well as map units and presentations.

00001/00002 - EXPLORING WORLD STUDIES A/B

2 Trimesters - IEP Required
1 credit per term **Grade 11, 12**

This class will investigate different historical events from all over the world. We will look at Early Civilizations, The Roman Empire, The Middle ages, Early Chinese Empires, The Renaissance, early Exploration/Explorers, the Age of Reason, and the Industrial Revolution. We will use a textbook, video clips, and online sources for information. The students will do research projects, give presentations, worksheets and take tests.

00004 - EXPLORING SENIOR GOVERNMENT

1 Trimester - IEP Required
1 credit per term **Grade 12**

This class will look at the history, components, and workings of the U.S. government. We will look at where the bases of our current government came from and how the different departments work together to govern. We will use a textbook for the basis of the class as well as other sources of information. Several projects will be done in the area of the Constitution, the House of Representatives, and the Senate. Related current events will also be incorporated.

Work Experience

00005 - CAREER SEMINAR

1 Trimester - IEP Required
1 credit per term **Grades 9, 10, 11, 12**
IEP and Case Manager Signature Required

Career Seminar 1 allows students to a) discover their personal strengths and abilities, b) understand opportunities available to them in different career areas, and c) practice skills necessary to excel in the workforce. Emphasis is placed on employee rights and responsibilities and occupational safety and hazard prevention in various work environments. This course may also include experiential learning opportunities such as industry tours, informational interviews, or job shadowing.

00542/00594/00595 - WORK EXPERIENCE A/B/C

1, 2, or 3 Trimesters - IEP Required
1 credit per term **Grades 11, 12**
Prerequisite: One trimester of Career Seminar or currently enrolled in Career Seminar; IEP and Case Manager Signature Required

Students receive school credit for working at training sites in the school or community. Permission required from parents, school personnel, and employer.

00624/00625/00626 - TRANSITION A/B/C

1, 2, or 3 Trimesters - IEP Required
1 credit per term **Grade 9, 10, 11, 12**

This course will focus on developing various academic skills to assist students in being successful at the high school level. Strategies will be taught to reinforce reading and writing skills. In addition, students will be taught organizational skills as well as note taking and test-taking strategies.

Functional Skills

00743/00744/00745 - FUNCTIONAL COMMUNICATION SKILLS A/B/C

IEP Required
1 credit per term **Grades 9, 10, 11, 12**

Students learn basic functional communication skills necessary for school, community, workplace, and leisure. Social communication concepts such as conversation skills, language comprehension, displaying and reading body language, perspective taking, managing emotions, and related vocabulary are essential skills focused on during the course.

00021/00022/00023 - FUNCTIONAL MATH / ENGLISH A/B/C

3 Trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

In this class, students will work on functional academic skills including Reading, Writing, and Math skills. Skills are targeted according to the IEP goals of the students within the class. This class aims to develop students skills in matters related to real life. Skills include reading fluency, vocabulary, comprehension, time telling, measurement, budgeting, basic math and reading skills, and other needs as identified on students' Individualized Education Plans. This class is intended for students with low cognitive abilities and/or severe deficits in math and reading.

00009/00010/00011 - FUNCTIONAL INDEPENDENT LIVING A/B/C

3 Trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This course focuses on basic communication and social skills for students whose disability area is DCD. Topics include setting personal goals, building self confidence , self advocacy skills, vocational awareness, personal independence, building friendships, personal responsibility, and disability awareness. Materials include the most essential facets of the following areas: How to get well when you are sick, how to stay healthy, how to use money wisely, how to set up a home, how to take care of a home and how to look out for yourself. Course materials include Room 28 Social Language Program, Building Self Confidence, STEPS to Independent Living series, associated educational videos which include Being with People and Be Cool.

00024/00025/00026 - COMMUNITY LIVING SKILLS A/B/C

3 Trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This course will focus on developing and improving listening and communication skills. It will also teach students how to understand social cues and expressions. We will focus on conversation skills and problem solving skills. The course will also address functional everyday living skills.

00027/00028/00029 - SKILLS LAB

3 Trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This course is for students with HF ASD. Social skills and communication is taught by a special education teacher in consultation with a Speech Pathologist. Room 28, Be Cool, and various other materials and curriculum are combined to address the following areas: dealing with stress, understanding social cues and expressions, conversational skills, problem solving, dealing with conflict, understanding humor, and responding to teasing and bullying. Areas addressed may vary according to IEP goals of students in the class.

00727/00728/00729 - LIFE SKILLS/TRANSITION A/B/C

3 Trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

Vocational, social skills and daily living issues are addressed using Being with People, Be Cool, Model Me and other curriculum. Disability Awareness and personal rights and responsibilities are emphasized.

00701/00702/00703 - ONWARD TRANSITION A/B/C

IEP Required **1 credit per term**

The Onward Transition Program, offered through Princeton School District 477, serves 18-21 year old students who meet the specific eligibility criteria in any special education disability area, including Developmental Cognitive Disabilities (DCD), Emotional Behavioral Disorder (EBD), and students with Autism Spectrum Disorder (ASD). These students have attended a high school special education program and continue to be eligible to receive special education services in order to obtain an Individual Education Plan (IEP) driven diploma. These students have needs in the five areas of transition and require intensive and customized staff-to student ratio and transition curriculum. Students benefit from and respond to community-based instruction.

00033/00034/00035 - WORK SKILLS A/B/C

1, 2, or 3 Trimesters - IEP Required
1 credit per term **Grades 9, 10, 11, 12**

This course combines hands-on service learning projects and community-based experience to assist students in reaching their transition goals in their Individual Education Plans for moderate and severe disabilities.

Mathematics

00310/00311/00328 - INTERMEDIATE ALGEBRA A/B/C

1 credit per term **Grades 9, 10**

This course is an introduction to general concepts, preparing students for Geometry and Advanced Algebra courses. Topics include a brief review of linear algebra followed by: analyzing linear and quadratic functions and their graphs, solving systems of equations, and working with polynomials.

00324/00325/00329 - GEOMETRY A/B/C

1 credit per term **Grades 9, 10, 11**
Prerequisite: Intermediate Algebra
NCAA APPROVED

This course will cover the following topics: tools of geometry, reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, transformations, area, surface area and volume, and circles.

00330/00331/00332 - ADVANCED ALGEBRA A/B/C

1 credit per term **Grades 10, 11, 12**
Prerequisite: Geometry or currently enrolled
NCAA APPROVED

Advanced Algebra is a second year algebra course offered to students who have successfully completed Geometry or are currently enrolled in Geometry. This course reinforces basic algebra skills and introduces Advanced Algebra topics. Topics include: mathematical models, linear, quadratic & polynomial functions, systems of equations, mathematical sequences and series, imaginary and complex numbers, exponential and logarithmic functions, trigonometric functions and discrete mathematics.

00346/00347/00355 - MATH ANALYSIS A/B/C

1 credit per term **Grades 11, 12**
Prerequisite: Advanced Algebra A/B/C
NCAA APPROVED

This course covers topics in mathematical functions, statistics and trigonometry. It is comprehensive in scope and rigorous in material. Graphing calculators are used to extend our knowledge on certain concepts. Topics include: linear, quadratic and higher degree functions; systems of equations and matrices; exponents and logarithms; conics; trigonometric functions with applications, sequences and series. The third trimester covers mathematical topics needed for advanced study in STEM heavy fields, and explicitly prepares students for studies in Calculus and beyond!

00348/00349- INTRO TO STATISTICS A/B

1 credit per term **Grades 11, 12**
Prerequisite: Advanced Algebra A/B/C
NCAA APPROVED

The purpose of Intro to Statistics is for students to learn about the major concepts & tools for collecting, analyzing, and drawing conclusions from data. Students in this course develop their understanding of statistics by using technology, investigations, problem solving, and writing as they explore concepts like variation & distribution; patterns & uncertainty; and data-based predictions, decisions, and conclusions.

00340/00341/00342 - AP CALCULUS A/B/C

1 credit per term **Grades 11, 12**
Prerequisite: Math Analysis A/B/C
NCAA APPROVED

Calculus is the study of change itself, and is a three-trimester course covering differential and integral calculus. This course is designed to develop the student's understanding of the concepts of calculus and provide experience with the methods and applications of any university-level mathematics course. Topics include: analysis of functions and graphs, limits of functions, derivatives and their applications and integrals and their applications.

00335/00413/00414 - AoPS GEOMETRY A/B/C

1 credit per term-ELIGIBLE VIA PLACEMENT TEST
Prerequisite: Completion of Princeton Middle School specialized math track or, alternatively, diagnostic testing (administered through Advanced Academics Coordinator). Contact Samantha Heitke if interested. Her contact info is: samantha.heitke@isd477.org

Advanced Geometry covers a full honors Geometry curriculum plus many advanced problem-solving geometric applications not found in a standard geometry course. Topics covered in the class include triangle similarity and congruence, complicated area problems, mastering the triangle, special quadrilaterals, polygons, the art of angle chasing, construction, power of a point. 3-dimensional geometry, transformations, analytic geometry, basic trigonometry, and geometric proofs. This course is specifically designed for high-performing students and develops problem solving skills.

00427/00428/00429 - AoPS ADVANCED ALGEBRA A/B/C

1 credit per term-ELIGIBLE VIA PLACEMENT TEST
Prerequisite: Completion of Advanced Geometry, or, alternatively, diagnostic testing (administered through Advanced Academics Coordinator). Contact Samantha Heitke if interested. Her contact info is: samantha.heitke@isd477.org

AoPS Intermediate Algebra (AoPS Algebra III) covers topics which include advanced quadratics, polynomials, conics, general functions, logarithms, clever factorizations and substitutions, systems of equations, sequences and series, symmetric sums, advanced factoring methods, classical inequalities, functional equations, and more. This course is specifically designed for high-performing students and develops problem-solving skills.

00321/00322/00323 - AoPS PRECALCULUS A/B/C

1 credit per term-ELIGIBLE VIA PLACEMENT TEST
Prerequisite: Completion of AoPS Intermediate Algebra, or, alternatively, diagnostic testing (administered through Advanced Academics Coordinator). Contact Samantha Heitke if interested. Her contact info is: samantha.heitke@isd477.org

AoPS Intermediate Precalculus covers introduction and evaluation of trigonometric functions, trigonometric identities, complex numbers, exponential form of complex numbers, De Moivre's Theorem, geometric representation of complex numbers, roots of unity, applications of complex numbers to geometry, two-dimensional and three-dimensional vectors and matrices, determinants, dot and cross project, applications of vectors and matrices to geometry. This course is specifically designed for high-performing students and develops problem-solving skills.

00430/00431/00432 - AoPS CALCULUS A/B/C

1 credit per term-ELIGIBLE VIA PLACEMENT TEST
This course is weighted
Prerequisite: Completion of AoPS Intermediate Precalculus, or, alternatively, diagnostic testing (administered through Advanced Academics Coordinator). Contact Samantha Heitke if interested. Her contact info is: samantha.heitke@isd477.org

This course covers limits, continuity, derivatives and their applications, definite and indefinite integrals, infinite sequences and series, plane curves, polar coordinates, and basic differential equations. This course is approved by the College Board as an AP Calculus BC class for students in grades 9-12, however, "AP exam preparation" is not the main focus of this course.

This course is specifically designed for high-performing students and develops problem-solving skills through a similar structure to top-tier colleges.

Music

Princeton High School has a long history of superior performance in vocal and instrumental music. Placement in upper class choirs and bands requires that an audition be completed with the corresponding instructor. Lower level ensembles participate in a minimum of four concerts annually, while advanced ensembles give up to eleven public performances each year. Students are enabled to develop individual skills through solo and group lessons as well as by preparing music in chamber ensemble settings. With very few exceptions, those interested in enrolling in both band and choir are able to do so for all four years without sacrificing other elective options.

In recent years, the study of music at PHS has expanded to include several non-ensemble course offerings. Additionally, numerous co-curricular ensembles (jazz, pop, renaissance, etc.) meet outside of the school day to compliment the educational objectives of curricular courses.

Ensemble Courses

Instrumental

- Concert Band
- Varsity Band
- Symphonic Winds

Vocal

- Mixed Chorus
- Audacia
- Concert Choir

Co-Curricular Ensembles

Instrumental

- Jazz One
- Jazz Lab
- Wind Ensemble

Vocal

- Chamber Singers
- Tiger Singers

00450/00451/00452 - CONCERT BAND A/B/C

1 credit per term **Grades 9**
Participation in the pep band is required as a part of the course.
Meets an art requirement

Concert Band is an instrumental ensemble composed primarily of ninth grade students. This course focuses most of its study on applicable instrument techniques and musical artistry through individual lessons, daily rehearsals, written/verbal listening evaluations, advancement of music literacy, and regular concert performance. Concerts are held in the evening and are considered required as part of the academic coursework, as well as a certain number of pep band events. Enrollment is full year and contingent upon past enrollment, middle school recommendations, and/or auditions from the spring of the previous year.

00474/00475/00476 - CONCERT CHOIR A/B/C

1 credit per term **Grades 10, 11, 12**
BY AUDITION
Meets an art requirement

Concert Choir is an SATB choir composed of students in grades 10-12. This course focuses most of its study of advanced literature and musicianship through individual lessons, daily rehearsals, written/verbal listening evaluations, advancement of music literacy, regular touring, and an intense performance calendar. Concerts are held in the evening and occasionally on weekends; all performances are considered required as part of the academic coursework. Enrollment is full year and contingent upon auditions from the spring of the previous year. No previous singing experience is necessary. Students entering grades 10-12 should see the director to schedule an audition for fall enrollment.

00460/00461/00462 - CONCERT BAND/MIXED CHORUS A/B/C

1 credit per term **Grades 9, 10, 11, 12**
Participation in the pep band is required as a part of the course
Meets an art requirement

Mixed Chorus and Concert Band share enrollment for a select group of ninth grade students. This course focuses most of its study on applicable vocal and instrumental techniques and artistry through individual lessons, daily rehearsals, written/verbal listening evaluations, advancement of music literacy, and regular concert performance. Concerts are held in the evening and are considered required as part of the academic coursework. Enrollment is full year and contingent upon past enrollment, middle school recommendations, and/or auditions from the spring of the previous year. (NOTE: For Mixed Chorus, no previous singing experience is necessary.

00470/00471/00472 - MIXED CHORUS A/B/C

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement

Mixed Chorus is an SATB/SAB choir composed primarily of ninth grade students. This course focuses most of its study on applicable vocal techniques and musicianship through individual lessons, daily rehearsals, written/verbal listening evaluations, advancement of music literacy, and regular concert performance. Concerts are held in the evening and are considered required as part of the academic coursework. Enrollment is full year and contingent upon past enrollment, middle school recommendations, and/or auditions from the spring of the previous year. No previous singing experience is necessary. Only students entering grades 10-12 should see the director to schedule an audition for fall enrollment; auditions are not necessary for incoming ninth graders.

00454/00455/00456 - SYMPHONIC WINDS A/B/C

1 credit per term **Grades 10, 11, 12**
BY AUDITION
Participation in pep band is required as part of this course
Meets an art requirement

Symphonic Winds is an instrumental ensemble composed of students in grades 10-12. This course focuses on the study of advanced literature and musicianship, individual instrumental lessons, daily rehearsal, written/verbal listening evaluations, advancement of music literacy, regular touring and an intense performance calendar. Concerts are held in the evening and are considered required as part of the academic coursework, as well as a certain number of pep band events. Enrollment is full year and contingent upon past enrollment and/or auditions from the spring of the previous year.

00481/00482/00483 - SYMPHONIC WINDS/CONCERT CHOIR A/B/C

1 credit per term **Grades 10, 11, 12**
BY AUDITION
Meets an art requirement

Concert Choir and Symphonic Winds share enrollment for a select group of students in grades 10-12. This course focuses most of its study of advanced literature and musicianship through individual lessons, daily rehearsals, written/verbal listening evaluations, advancement of music literacy, regular touring, and an intense performance calendar. Concerts are held in the evening and occasionally on weekends; all performances are considered required as part of the academic coursework. Enrollment is full year and contingent upon auditions from the spring of the previous year. No previous singing experience is necessary. Students entering grades 10-12 should see the director to schedule a vocal audition for fall enrollment. Approval from both instructors is required for enrollment.

00464/00465/00466 - AUDACIA A/B/C

1 credit per term **Grades 10, 11, 12**
Contingent upon past enrollment, middle school recommendations, and/or auditions from the spring of the previous year
Meets an art requirement

Audacia is an SA/SSA choir composed of treble voice students in grades 10-12. This course focuses most of its study on applicable vocal techniques and musicianship through individual lessons, daily rehearsals, written/verbal listening evaluations, advancement of music literacy, and regular concert performance. Concerts are held in the evening and are considered required as part of the academic coursework. Enrollment is full year and contingent upon past enrollment, middle school recommendations, and/or auditions from the spring of the previous year. No previous singing experience is necessary. Students entering grades 10-12 should see the director to schedule an audition for fall enrollment.

00603/00604/00605 - VARSITY BAND A/B/C

1 credit per term **Grades 10, 11, 12**
Meets an art requirement

Varsity Band is an instrumental ensemble composed of students in grades 10-12. This course focuses most of its study on applicable instrumental techniques and musicianship through individual lessons, daily rehearsals, written/verbal listening evaluations, advancement of music literacy, and regular concert performance. Concerts are held in the evening and are considered required as part of the academic coursework, as well as a certain number of pep band events. Enrollment is full year and contingent upon past enrollment, middle school recommendations, and/or auditions from the spring of the previous year.

00609 - INTRO TO GUITAR

1 credit per term **Grades 10, 11, 12**
Meets an art requirement

Students will study and apply guitar fundamentals and techniques in areas including note reading, chord structures and progressions, playing technique, and musical genres. Guitars are provided.

MTSS - Multi-Tiered Systems of Supports

Princeton High School has several options in place to assist students who need increased support in learning or organization.

00316 MTSS Math

1 credit per term **Grade 9**

This course coincides with the student's current math course to provide support for foundational concepts. Students are placed in the course based upon teacher and counselor recommendations.

00689/00690/00691 - FRESHMAN SEMINAR A/B/C

3 Trimesters **Grade 9**

This supported elective course is designed to support ninth grade students in their transition to being successful in high school. Students are placed in the course based upon teacher and counselor recommendations. Contact your counselor.

00588/00589/00520 - SEMINAR 10-12 A/B/C

1 credit per term **Grades 10, 11, 12**

Students are supported for personal or academic needs they may have or be facing in their lives. Students will understand, develop, and advance the skills necessary for them to focus on academic and personal development. Students will examine, develop, and advance their academic skills, as well as their social emotional learning strategies, the CASEL competencies, and Princeton's Habits of a Tiger framework. Student progress is monitored and adjusted based on their needs and successfulness, and the students, staff, and parents work together to assist and encourage the students to be most successful.

00490/00590/00591 - SEMINAR OJT A/B/C

1 credit per term **Grades 11, 12**

The Seminar On-the-Job Training program consists of two elements. One segment of the program consists of skills acquired with a project-based curriculum focused on work skills or components. Students develop communication skills, career planning skills, budgeting skills, and advanced theoretical work skills. The second component of the program takes place at the students' work sites. Students develop work skills specific to their career as well as transferable employability skills. In addition, they also investigate safety issues at work, legal issues at work, and develop work improvement plans. The instructor maintains contact with the work sites throughout the program and evaluates student progress periodically.

Physical Education and Health

In order to graduate, students must successfully complete two (2) trimesters of Physical Education credits, one Health credit:

- 00380 - Physical Education
- 00386 - Health

Students must also have one elective credit and can choose from the following courses:

- 00388 - Fitness and Fun
- 00389 - Racquet Sports
- 00390 - Strength and Conditioning
- 00391 - Recreation Games
- 00393 - Officiating, Sports, & Coaching
- 00394 - Introduction to Exercise Science

Students in CTE courses are encouraged to create an account on CTE Credit MN in order to explore careers, earn college credit and complete career and technical programs before graduating from high school.
This website collects the following data on students; legal name, address, email address, name of schools attended, date of birth, grade level, student enrollment in ARCC courses, date of enrollment and date of course completion.
For more information about how CTE Credit MN collects and uses data, you can view their privacy policy. This information is listed on the district Software Inventory document located on the district website:
https://www.isd477.org/academics/instructional-technology/software-inventory

00380 - PHYSICAL EDUCATION

1 credit per term **Grade 9**
REQUIRED COURSE

This course is required for graduation. Units will be taught in a variety of areas with both skills evaluated and knowledge tested. Units will focus on exposure, orientation, and skill development for a number of leisure, team, and lifetime activities. A swim unit is included.

00388 - FITNESS AND FUN

1 credit per term **Grades 9, 10, 11, 12**
Prerequisite: Physical Education

This course is designed to give students the opportunities to learn a variety of physical fitness activities in a non-competitive setting. Activities will include exercise incorporating the five components of fitness, nutrition, stress management, and healthy living. Students will be encouraged to collaborate with others and practice inclusion.

00385 - UNIFIED FITNESS AND FUN

1 credit per term **Grades 9, 10, 11, 12**
Prerequisite: Physical Education

This course is designed to give students the opportunities to learn a variety of physical fitness activities in a non-competitive setting and practice leadership skills as well as collaboration. Activities will include exercise incorporating the five components of fitness, nutrition, stress management, and healthy living 3-4 days a week. Students will collaborate with others and practice inclusion in a mentorship role 1-2 days a week.

00389 - RACQUET SPORTS

1 credit per term **Grades 10, 11, 12**
Prerequisite: Physical Education

This course is designed for students who desire to participate in racquet sports such as tennis, pickleball, etc.. The focus will be on learning the basic skills, strategies, and rules of each sport. Students will be involved in a variety of drills and activities in order to learn the basic techniques.

00390 - STRENGTH AND CONDITIONING

1 credit per term **Grades 10, 11, 12**
Prerequisite: Physical Education

Students will learn and demonstrate proper lifting technique while following a daily workout routine set by the instructor. Units of study will include basic weightlifting theory, warm up, stretching and cool down, lifting technique and safety, muscle anatomy and biomechanics, types of fitness training, exercise nutrition and parts of fitness. Students will create and follow a personal fitness plan to demonstrate their knowledge.

00391 - RECREATIONAL GAMES

1 credit per term **Grades 9, 10, 11, 12**
Prerequisite: Physical Education

Students will learn about their personal physical fitness by participating in individual, dual, and team activities.

00393 - OFFICIATING, SPORT & COACHING

1 credit per term **Grades 10, 11, 12**
Prerequisite: Physical Education

This course is designed to certify students as officials in multiple sports. Certifications may include but not be limited to basketball, softball, baseball and football. The curriculum is delivered in a blended format, meaning some of the learning is completed online with instructor assistance.

00386 - HEALTH

1 credit per term **Grades 10, 11**
REQUIRED COURSE

This course is required for graduation. Health Education will help students analyze information about their lifestyle and personal level of health and wellness. Topics include: disease, safety/first aid, mental and emotional health, nutrition, tobacco, alcohol and other drugs, and sexual health.

00387 - HEALTH & CAREER EXPLORATION

1 credit per term **Grades 11, 12**
Prerequisite: Health 10/11
Eligible for Articulated College Credit

The health industry has become especially popular, and is an expanding career field. This course is designed as an opportunity for students to explore careers in health, wellness, and healthcare. Students will be exposed to professionals in the field, with guests from the community, and trips to Fairview Northland! Online instruction will be accessed via the Health Care Core Curriculum. These standards-based lessons include basic knowledge that healthcare workers need to know.

00383/00395/00396 - HEALTHCARE ACADEMY A/B/C

1 credit per term **Grade 12**
Prerequisite: Health 10/11
Enrollment is limited, contact guidance counselor
Students commit to a year-long course of virtual instruction. Students may earn 7 college credits through Pine Technical & Community College. See page 9.

In the Healthcare Academy you will gain the foundational knowledge and skills necessary to work with patients or long-term care facility clients, building awareness and comfort working in the healthcare, assisted living, or senior living atmospheres. Upon successful completion of this academy, students will be eligible to take the Nursing Assistant Test-Out (NATO) exam. Students must be able to work independently. The course is offered via technology with an off-site teacher.

Healthcare Academy A: Intro to Health Careers I (2 credits) & Medical Terminology (1 credit) are a two course package.

Healthcare Academy B: Intro to Health Careers II (2 credits), Medical Dosages (1 credit) & Pharmacology (1 credit) are a second three course package.

Note: Students must successfully complete this course with an 80% "C" or better to meet requirements for PTCC program pre-reqs. Students who complete this course with less than an 80% “C” or better will still receive PTCC credit, but the credits will not satisfy healthcare program prerequisites at PTCC.

Science

Three credits in science are required for graduation:

- Earth Science (9th grade)
- Biology (10th grade)
- Chemistry or Physics (11th or 12th grade)

All additional science courses are electives. Recommended sequences below are based upon individuals' post-high school plans and may vary. Contact a counselor or science teacher with questions.

Two Year, Vocational, Technical or Community College, or Non-college Bound:

- Grade 9 - Earth Science
- Grade 10 - Biology
- Grade 11/12 - Chemistry (some programs require Chemistry 160)
- Grade 11/12 - Electives, if desired

Four Year College or University (non-science major):

- Grade 9 - Earth Science
- Grade 10 - Biology
- Grade 11/12 - College Chemistry, or AP Physics
- Grade 11/12 - Electives: College Biology, Anatomy/Physiology, Medical Terminology

Four Year College or University (science or health field major):

- Grade 9 - Earth Science
- Grade 10 - Biology
- Grade 11/12 - College Chemistry, AP Physics
- Grade 11/12 - College Biology, Anatomy/Physiology, Medical Terminology

00407/00408/00409 - EARTH SCIENCE A/B/C

1 credit per term **Grade 9**
REQUIRED FOR ALL FRESHMEN
NCAA APPROVED

The purpose of this course is for students to develop knowledge of the physical systems of the Earth and how they interact. They deepen their abilities and skills to ask questions, develop and use models, plan and carry out investigations, analyze and interpret data, use mathematics and computational thinking, construct explanations, engage in argument from evidence, and obtain, evaluate and communicate information. Topics include rocks and minerals, plate tectonics, geologic time scale, solar system, atmosphere and meteorology, climate and oceans, and Earth's resources as the use of inquiry and questioning in class. Material will be presented to students in the different formats including the following: lecture, video, labs, activities, and projects.

00410/00411 - BIOLOGY A/B

1 credit per term **Grade 10**
REQUIRED FOR ALL SOPHOMORES
NCAA APPROVED

This is a general biology class with emphasis on the micro (A) and macro (B) view of Biology. In A, students will examine biochemistry, cells, cell division, genetics, DNA/chromosomes, and biotechnology. In B, students will examine taxonomy, evolution, ecosystems, and human body systems. Within the course, students will learn through the use of presentation, audiovisuals, lab work, group activities, and research projects. This is a required course at PHS and counts towards six science credits each student must earn in order to graduate. Biology A is not a prerequisite for Biology B and can be taken in any order or concurrently.

To meet graduation requirements for the third year of science, students are required to take ONE of the following courses in their junior or senior year: Applied Chemistry, College Chemistry, or Physics.

00434/00435 - CHEMISTRY A/B

1 credit per term **Grades 11, 12**
Prerequisite: Physical Science B
NCAA APPROVED

This course will be designed for students who are NOT planning on pursuing a four-year college degree. Some 2-year programs may require a course like College Chemistry (i.e. – diesel mechanic) This is an applied chemistry course with an emphasis on state standards and broad concepts. Students will study these units in detail through the use of presentation, video, lab work, group activities, and research projects

00424/00425/00426 - COLLEGE CHEM 160 A/B/C
College in the Schools (CIS)
(for non-science majors in college)
1 credit per term **Grades 11, 12**
Prerequisite: College in the Schools requirements
See page 9 for additional CIS information. OR these requirements do not apply if the course is taken for high school credit only.
NCAA APPROVED
Mandatory attendance on class visit to conduct a lab at SCSU in the spring.

This is a chemistry course with an emphasis on chemical basics. This course investigates the chemical nature of the world in which we live. In-depth topics of study and laboratory experience include fundamental principles of chemistry: measurement, the atom, chemical composition, and calculation, the mole chemical bonding and nomenclature, compounds, molecules, chemical reactions, stoichiometry, molarity, gasses, and organic chemistry. This course follows the St. Cloud State University syllabus for Preparatory Chemistry - CHEM 160.

00436/00437/00440 - AP PHYSICS A/B/C
1 credit per term **Grade 11, 12**
Prerequisite: Math Analysis
NCAA APPROVED

This is an AP Physics course designed for students planning to extend their education beyond high school. Laws of physics will be studied by doing interesting laboratory experiments, discussing different perspectives in physics theories, and using mathematical calculations in practical or theoretical problems. Areas of study include sound, periodic motion, gravity and Newton's Laws and Rotational Motion.

.00416/00417 - COLLEGE BIOLOGY 1100 A/B
College in the Schools (CIS) - for non-science majors in college
1 credit per term **Grades 11, 12**
Students may earn four (4) college credits through Anoka Ramsey Community College. See page 9.
Prerequisite: Biology A/B and College in the Schools requirements
NCAA APPROVED

This course is designed to teach the process of science as it applies to biology today. Topics in biology that will be covered include interactions in ecosystems, heredity, and evolution. This is a two-trimester course and is a CIS enrollment course to Biology 1100 at Anoka-Ramsey Community College (Cambridge and Coon Rapids campuses).

00420/00421 - ANATOMY & PHYSIOLOGY A/B
1 credit per term **Grades 11, 12**
Prerequisites: Biology A/B
NCAA APPROVED
Eligible for Articulated College Credit

This course is an upper level science class designed for students planning to continue their education after high school in a medical or health related field. Students will learn in depth each of the major systems of the human body: skeletal, muscular, nervous, circulatory, immune, respiratory, digestive, urinary, endocrine, and reproductive as well as body organization, tissues, skin, and medical terminology.

00422 - ASTRONOMY
1 credit per term **Grades 10, 11, 12**
NCAA APPROVED

This is a general science course designed to allow students to explore in-depth the areas of the solar system, space travel, and the universe. Students will also examine how space impacts life on Earth as well as investigate the many current events and politics surrounding space travel and investigation. Students will conduct these activities through a variety of means including current event investigation, poster analogies, hands-on explorations, inquiry, readings, videos, tests, etc. This course will expand the 9th grade earth science curriculum for students interested in astronomy.

00441 - FORENSICS
1 credit per term **Grades 10, 11, 12**
NCAA APPROVED

This is a one-trimester elective course that focuses on such topics as the history of forensic science, evidence collection and analysis, crime scenes, and deductive reasoning. Case studies and crime scenarios help students understand the implications and complicated issues that are part of the scientific method of forensics. This course expands the 9th grade earth science and 10th grade life science curriculum. Students engage in scientific methodology, inquiry, and critical thinking skills as well as basics of chemistry, physics, and biology. Recommended follow-up courses for career academy pathways are: College Chemistry, College Biology or Anatomy & Physiology.

00442 - METEOROLOGY

1 credit per term **Grades 10, 11, 12**
NCAA APPROVED

This is a general science course designed to allow students to explore in-depth the areas of weather and climate. Students will learn what causes our day-to-day weather and how our current habits affect Earth's overall climate. This course will expand the 9th grade earth science curriculum for students who are interested in atmospheric sciences. Course work will include learning about on-air meteorologists and predicting the local weather. This course will expand the 9th grade Earth Science curriculum for students interested in Meteorology.

00404 - MEDICAL TERMINOLOGY

1 credit per term **Grades 11, 12**
Prerequisite: Anatomy & Physiology A/B OR Concurrent Enrollment
Eligible for Articulated College Credit

Medical Terminology is an upper level science course that teaches the language used in the medical field. Word meanings will be studied in depth, focusing on common prefixes, word roots, combining forms, and suffixes. Terminology will be studied in the major systems of the human body including: The Integumentary System, Musculoskeletal System, Cardiovascular System, Lymphatic and Immune Systems, Respiratory System, Digestive System, Urinary System, Reproductive Systems, Endocrine System, and Nervous System. Pathology, diagnostic and therapeutic procedures, and medications relating to each system will also be studied.

00382 - CERTIFIED NURSING ASSISTANT

1 credit per term **Grades 11, 12**
Prerequisite: Health 10/11
Off Campus Course

This course is designed for students to obtain training and preparation to obtain their CNA certification at the successful conclusion of the course. The course is offered through partnership with Milaca Schools and Pine Tech Community College. Enrollment is limited and some restrictions apply. Students who are interested in this course are to contact their guidance counselor.

00398 - EMERGENCY MEDICAL RESPONDER

1 credit per term **Grades 12**
Prerequisite: Health 10/11
Enrollment is limited, contact guidance counselor
Students may earn 3 college credits through Pine Technical & Community College. See page 9.

The goal is to provide students with the core knowledge, skills, and attitudes to function in the capacity of an Emergency Medical Responder. The Emergency Medical Responder (EMR) course prepares individuals for employment in a variety of pre-hospital, industrial and first responder settings. The successful completion of an approved First Responder course is a prerequisite to pursuing training as a Fire Fighter and many Law Enforcement programs. Students must be able to work independently. The course is offered via technology with an off-site teacher.

Social Studies

The state of Minnesota requires the study of Social Studies, encompassing standards in geography, American history, world history, American government, and economics. The following courses are required:

- 2 credits in U.S. History
- 2 credits in World Studies
- 1 credit in Geography
- 1 credit in Economics or AP Economics
- 1 credit in U.S. Government or College Government
- 1 credit in Career & College Exploration

00510/00511 - U.S. HISTORY A/B

1 credit per term **Grade 10**
REQUIRED FOR ALL SOPHOMORES
NCAA APPROVED

U.S. History A is a course that will examine the events, people, and major issues that have shaped the United States. The course will cover events from the 1400's through 1900. U.S. History B is a course that will examine the people, events, and major issues from World War I to the present.

00537/00538/00553 - AP U.S. HISTORY A/B/C

1 credit per term **Grades 10, 11, 12**
NCAA APPROVED

The course focuses on developing understanding of American history from approximately 1491 to the present. Students investigate the content of U.S. History for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

00500/00501 - WORLD STUDIES A/B

1 credit per term **Grade 11**
REQUIRED FOR ALL JUNIORS (unless previously completed)
NCAA APPROVED

Both classes will be exploring the history of the world from prehistory through the present, and the civilizations and cultures that inhabit it. Students will learn about the contributions and the positive and negative impacts that civilizations have had on the course of our history.

00528 - GEOGRAPHY

1 credit per term **Grade 9**
REQUIRED FOR GRADUATION
NCAA APPROVED

This course focuses on essential geography skills. The course discusses distribution and patterns of change involving human population and how political units affect human behavior. The course also examines global settlement patterns, and how humans interact within their environment. The course also discusses how current events affect different regions of the world.

00529/0531 - AP HUMAN GEOGRAPHY A/B

1 credit per term **Grades 9, 10, 11, 12**
MEETS GEOGRAPHY REQUIREMENT
NCAA APPROVED

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and application.

00536 - ECONOMICS

1 credit per term **Grades 11, 12**
REQUIRED COURSE
NCAA APPROVED

This course is focused on social economics and the idea of scarcity. Students will understand how individuals, households, businesses, and governments use scarce resources to satisfy unlimited wants and needs. The course will focus on key economic ideas, covering supply and demand, elasticity, labor unions, employment, investments, and globalization.

00539/00540 - AP MICROECONOMICS A/B

1 credit per term **Grades 11, 12**
Meets Economics Requirement
NCAA APPROVED
NOT OFFERED 25-26

The purpose of this course is to give students a thorough understanding of the principles of economics that apply to both consumers and producers within the economic system. Primary emphasis is on the nature and functions of product markers including the study of factor markets and the role of government in promoting greater efficiency and equity in the economy.

00534/00535- AP MACROECONOMICS A/B

1 credit per term **Grades 11, 12**
Meets Economics Requirement
NCAA APPROVED

AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. The course also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

00522 - U.S. GOVERNMENT

1 credit per term **Grade 12**
REQUIRED FOR ALL SENIORS
NCAA APPROVED

This course will give students a broad understanding of their government and how they are an integral part of it. It is focused on the origin of our nation's government and includes an in-depth examination of the three branches of government beginning with the Founding Fathers of our country and the systems of government they established and how they function today.

00524/00525 - COLLEGE AMERICAN GOVERNMENT 1111 A/B

College in the Schools (CIS)
1 credit per term **Grade 12**
Students may earn three (3) college credits through Anoka-Ramsey Community College. See page 9.
Replaces U.S. Government Requirement
Prerequisites: College in the Schools Requirements
NCAA APPROVED

This course introduces the student to the essential elements of the American political system: the Declaration of Independence, the Constitution, federalism, public opinion and the mass media, interest groups, political parties, the Presidency, the Congress, the bureaucracy, the Supreme Court and more. The course also endeavors to evaluate the success with which the American political systems meet the needs of the American people. Essential skills include the ability to ask questions, engage in meaningful discussions and think critically. THIS COURSE MAY BE TAKEN IN PLACE OF THE REQUIRED U.S. GOVERNMENT CLASS.

00372 - CAREER & COLLEGE EXPLORATION

1 credit per term **Grade 11**
REQUIRED FOR ALL JUNIORS

Students will explore topics such as communication, goal setting, post-secondary education opportunities, and career exploration. With the ever-growing global society, the need for effective communication and preparation for future employment opportunities is more important than ever in giving students the competitive edge in the job search. Students will assess their values, interest and aptitudes, research career options, develop job-seeking skills, and interview skills in areas they are considering. As a part of this course, students will take the ASVAB test to help reveal career strengths. Projects include creation of a portfolio of skills and abilities and completion of a mock interview.

00530 - PSYCHOLOGY

1 credit per term **Grades 11, 12**
NCAA APPROVED

Psychology is the study of human behavior. Students will explore the influences of society on individual and group relationships and look for biological explanations for human behavior. Course topics will cover: The history of psychology, human development, the brain and central nervous system, altered states of consciousness, learning, research in psychology, psychological disorders and more.

00532/00533 - COLLEGE PSYCHOLOGY 1110

A/B
College in the Schools (CIS)
1 HS credit per term **Grades 11, 12**
Students may earn four (4) college credits through Anoka Ramsey Community College. See page 9.
Prerequisites: College in the Schools requirements
NCAA APPROVED

Psychology is the science concerned with behavior and mental processes. Psychology deals with environmental, biological, social, and individual forces, which help to describe, explain, predict, and control behavior. This course is a comprehensive introduction to psychology. The course examines the history of psychology, the brain, the senses, sleep, child and adult development, emotion, social psychology, personality, human diversity, and the diagnosis and treatment of emotional problems such as anxiety, schizophrenia, paranoia, depressions, and suicide. This course presents a broad survey of basic concepts, issues, theories, classic experiments, and new discoveries in the field of psychology. Essential skills include the ability to ask questions, engage in meaningful discussions and think critically.

Technology & Engineering

Students in CTE courses are encouraged to create an account on CTE Credit MN in order to explore careers, earn college credit and complete career and technical programs before graduating from high school.
This website collects the following data on students; legal name, address, email address, name of schools attended, date of birth, grade level, student enrollment in ARCC courses, date of enrollment and date of course completion.
For more information about how CTE Credit MN collects and uses data, you can view their privacy policy. This information is listed on the district Software Inventory document located on the district website:
https://www.isd477.org/academics/instructional-technology/software-inventory

00084 - WOODS I

1 credit per term **Grades 9, 10, 11, 12**
Additional fee applies for projects completed and taken home

This introductory course provides the student with an opportunity to learn how to operate woodworking machines and power tools safely. This class also gives students the basic knowledge of building a wood project from start to finish. Students will learn the basic types of wood, shop and machine safety, construction assembly and finished work.

00086 - WOODS II

1 credit per term **Grades 9, 10, 11, 12**
Prerequisite: Woods I
Eligible for Articulated College Credit
Additional fee applies for projects completed and taken home

This one-hour block is intended to use and build on the skills learned in Woods I. Students will learn about basic cabinet building, different types of wood joints, and will use their skills to build an instructor-based project. Safety is reviewed, tested, and stressed at all times.

00088 - WOODS III

1 credit per term **Grades 10, 11, 12**
Prerequisite: Woods II
Eligible for Articulated College Credit
Additional fee applies for projects completed and taken home

This one-hour class will include a class production project and personal project. The students will work together to manufacture a project in the first part of class. In the second part of class, students will design, figure board feet, cost and finally build their personal project. Safety is reviewed, tested, and stressed at all times.

00090 - SMALL ENGINES I

1 credit per term **Grades 9, 10, 11, 12**

This course is a study of basic theory of operation of small two-cycle and four cycle gasoline engines. Students will do lab work on both two-cycle and four-cycle engines furnished by the school. The lab work will allow the students to disassemble and reassemble and learn overhaul and tune up techniques.

00092 - SMALL ENGINES II

1 credit per term **Grades 10, 11, 12**
Prerequisite: Small Engines I
Eligible for Articulated College Credit

This course is a more in-depth study of small engines. Students will do lab work on limited equipment of the schools. Time will be available for students who wish to bring in small engine equipment of their own to do maintenance, overhaul or tune up work.

00093 - RECREATIONAL VEHICLES/TRANSPORTATION SYSTEMS & DESIGN
2-HOUR BLOCK

2 credits per term **Grades 11, 12**
Prerequisite: Small Engines II

This 2-hour block course is for young men and women who are considering employment in small engine repair work or those who work with small engine equipment. This course focuses on the excitement of creating, designing, building and modifying vehicle systems. Students will work on their own projects, customer projects, and high mileage vehicles.

00098 - AUTOMOTIVE

2-HOUR BLOCK
2 credits per term **Grades 11, 12**
Eligible for Articulated College Credit
Certificate Available: SP2 Automotive Lift Institute Certificate & SP2 Automotive Service Bundle

This course is designed for a student interested in exploring automobile mechanics. The class is set up like an automobile service shop to help students prepare for a career or to enter a vocational school auto-mechanics program after high school. Students will study preventive maintenance, procedures, design & function of parts, troubleshooting, etc.

00102 - TECHNOLOGY & ENGINEERING I

1 credit per term **Grades 9, 10, 11, 12**
Class fee may apply to this course
Eligible for Articulated College Credit: HTC and Century College

This course is an introduction to the field of engineering, design, and digital fabrication. It encourages students to be creative, apply decision-making and problem solving skills to specific design problems. Students will use powerful computer software to develop 2D and 3D models and then produce projects in the Fab Lab. Students will be trained on 3D printers and laser engravers.

00103 - TECHNOLOGY & ENGINEERING II

1 credit per term **Grades 10, 11, 12**
Prerequisite: Technology & Engineering I
Class fee may apply to this course

Students who take this course will be able to apply the engineering design process, learn about reverse-engineering, and independently design and fabricate using 2D and 3D software and hardware commonly found in Fab Lab (laser engravers and 3D printers). A great deal of emphasis is placed on student-directed learning, “Design Challenges”, and mastery of software and equipment.

00105 - DRONES & INDUSTRY ENGINEERING

1 credit per term **Grades 10, 11, 12**
Prerequisite: Technology & Engineering I
Class fee may apply to this course

Students who take this course will be applying the engineering design process by researching and creating different types of advanced prototypes. Students will also have an opportunity to connect with business professionals in the community, build drones, and learn to fly drones.

00106 - GAME DESIGN & APPLICATION DEVELOPMENT-A

1 credit per term **Grades 9, 10, 11, 12**

This course provides students with an introduction into video game design and mobile applications development. Students will learn how to develop, design, create, and test basic video games and mobile applications.

00107 - GAME DESIGN & APPLICATION DEVELOPMENT-B

1 credit per term **Grades 9, 10,11, 12**

This course builds on the skills learned in Game Design & App Development-A. Students will learn advanced game design and mobile applications, and will partner with Woods III to create an arcade game.

00109 - COMPUTER TECHNOLOGY HARDWARE

2-HOUR BLOCK
2 credits per term **Grades 9, 10, 11, 12**
Eligible for Articulated College Credit: ARCC and HTC
Pathway: Engineering, Manufacturing and Technology
Certificate Available: CompTIAA+

This course prepares students to install, build, upgrade, repair, configure, troubleshoot, and perform preventative maintenance of personal computer hardware. Specific course topics include Computer Parts and Tools, Motherboards, Upgrading Memory, troubleshooting hardware problems, and networking. This course will prepare students to take the first CompTIAA+ exam. Note: Taking the CompTIAA+ exam is not a course requirement.

00110/0111/0112 - BROADCAST PRODUCTION A/B/C

1 credit per term **Grades 11, 12**
Prerequisite: Video Production or Multimedia Creations
Pathway: Information Systems, Communications and Art

This course is for students who are interested in news writing and production and other communications such as TV news and radio writing, reporting and production. Students will gain writing, presentation, speaking and various production skills. Various topics will include ethics of journalism and broadcasting and equipment skills. Students in this course must expect to be highly involved in production.

00117 - COMMUNITY COLLABORATION PROJECT: BRIDGING HIGH SCHOOL TALENT WITH BUSINESS NEEDS

1 credit per term **Grades 11, 12**
Prerequisite: Students must successfully complete at least one of the following courses: Woods I, Welding I, Photography or Video Production

This class is a unique course designed to forge meaningful connections between high school students and community/business partners. The course facilitates a collaborative environment where students engage with local leaders to create and fulfill projects tailored to the specific needs of each partner. Participants in this course will have the opportunity to work on diverse projects such as advertising videos, training materials and event awards, while contributing their skills and creativity to real-world scenarios.

00118 - PHOTOGRAPHY

1 credit per term **Grades 10, 11, 12**
Meets an art requirement
Class fee may apply to this course

This course is open to students interested in exploring the world of digital photography and editing. This course will focus on basic picture techniques, photo composition, portrait photography, stop action, etc. Students will edit and print their pictures in class.
*Class fee may apply for this course.

00119 - VIDEO PRODUCTION

1 credit per term **Grades 9, 10, 11, 12**
Meets an art requirement

In this class students will explore the video making process of pre production, production, and post production. Learn to plan, film, and edit videos using professional level video editing software. Video projects may include commercials, music videos, and learning how to create special effects such as green screen effects.

00182 - MULTIMEDIA CREATIONS

1 credit per term **Grades 9, 10, 11, 12**
May be Eligible for Articulated College Credit

This class will develop your computer skills in creating multimedia projects. The students will learn the advanced functions to create a multimedia presentation. The students will also learn the video production workflow, video shooting techniques, build edited videos, apply video effects and transitions, create animated text, create multiple audio tracks and export finished projects to DVDs.

00351/00352 - AP COMPUTER SCIENCE A/B

1 credit per term **Grades 10, 11, 12**
Prerequisite: Advanced Algebra A/B/C OR currently enrolled OR Game Design & App Development-B
NCAA APPROVED

AP Computer Science introduces students to computer science with fundamental topics that relate to problem solving, data organization, data analysis, and the ethical and social implications of computing. The course covers the fundamentals of java, data types, program control, object oriented programming, arrays, recursion and more.

World Language

While world languages are not required for high school graduation, most four year colleges require two years of the same language for attendance.

Studies of levels three and four will better prepare students for the placement test for required study at the college level. Completing the additional levels in high school may save students from having to take and pay for the required classes at the college level.

Students must pass trimester 1 in order to take the second trimester.

00550/00551 - SPANISH I A/B

1 credit per term **Grades 9, 10, 11, 12**
NCAA APPROVED

Spanish I is an introduction to the study of a new language and to the cultures of Spanish-speaking people. The principal goal of this course is to help students develop the four basic communications skills: listening, speaking, reading and writing, within the limits of beginning vocabulary and grammatical structures. The discussions and the readings relate to customs, traditions, patterns of daily life and the history of countries where Spanish is spoken.

00554/00555 - SPANISH II A/B

1 credit per term **Grades 10, 11, 12**
Prerequisite: Spanish I
NCAA APPROVED

Spanish II is a continuation of Spanish I. The students expand their basic language skills with greater emphasis on creative speaking and writing. Reading materials and structure drills relate to topics which are common to the daily lives of teenagers. Cultural information is presented in Spanish whenever appropriate.

00558/00559 - SPANISH III A/B

1 credit per term **Grades 11, 12**
Prerequisite: Spanish II
NCAA APPROVED
May earn college credit through St. Cloud State University
See page 9.

Spanish III is designed to give students practical experiences in building on the basic skills learned during Spanish I and II. Those who enroll in this course are offered the opportunity to develop a solid background in the language which enables them to communicate with moderate proficiency on a variety of topics.

00560/00561 - SPANISH IV A/B

College in the Schools (CIS)
1 credit per term **Grades 11, 12**
Prerequisite: Spanish III
NCAA APPROVED
May earn college credit through St. Cloud State University
See page 9.

Spanish IV is designed to improve the proficiency of advanced students in the language by developing additional vocabulary and advanced grammar skills while applying the language to a wide variety of topics.

00562/00563 - AMERICAN SIGN LANGUAGE I A/B

1 credit per term **Grades 9, 10, 11, 12**

The purpose of American Sign Language I is for students to develop language skills to communicate in American Sign Language at a basic and introductory level, gain knowledge of Deaf Culture, and make connections to other disciplines through the use of American Sign Language and Deaf Culture. Students deepen their ability to gain insight into the nature of language and culture through comparisons of ASL and Deaf Culture and their own language and culture. Essential skills include the basic hand-spelling techniques, the use of proper signing techniques, and the use and importance of facial expressions.

00586/00587 - AMERICAN SIGN LANGUAGE II (ASL) A/B

1 credit per term **Grades 11, 12**
Prerequisite: ASL I

American Sign Language II is a continuation of American Sign Language I. The purpose of American Sign Language II is for students to develop language skills to communicate in American Sign Language at an introductory and intermediate level, gain knowledge of Deaf Culture, and make connections to other disciplines through the use of American Sign Language.. The goal is to provide students with the skills to communicate in a wider array of situations, to further develop their language fluency, and to advance their level of comprehension of ASL in culturally appropriate ways.

00564/00565/00556 - GERMAN I A/B/C

1 credit per term **Grades 10, 11, 12**
Enrollment is limited, contact your guidance counselor.
STUDENT WILL COMMIT TO A YEAR-LONG COURSE OF VIRTUAL INSTRUCTION.

This year-long course is designed for students to learn the basics of the German language. Emphasis is placed on using German in everyday situations. Students will learn to use their new language in such situations as meeting new people, going to school, telling time, ordering in a restaurant, traveling by train, going to the movies, and participating in sports. Students must be able to work independently. The course is offered via technology with an off-site teacher.

00566/00567/00572 - GERMAN II A/B/C

1 credit per term **Grades 10, 11, 12**
Prerequisite: German I
Enrollment is limited, contact guidance counselor
STUDENT WILL COMMIT TO A YEAR-LONG COURSE OF VIRTUAL INSTRUCTION.

This year-long course is designed for students to learn the basics of the German language. Students will continue to develop their vocabulary and acquire new and more complex language skills. The end of the course will have exposed students to most of the common aspects of German grammar and should be able to carry on extended conversations on a variety of topics. Students must be able to work independently. The course is offered via technology with an off-site teacher.

Career Readiness

00372 - CAREER & COLLEGE EXPLORATION

1 credit per term **Grade 11**
REQUIRED FOR ALL JUNIORS

Students will explore topics such as communication, goal setting, post-secondary education opportunities, and career exploration. With the ever-growing global society, the need for effective communication and preparation for future employment opportunities is more important than ever in giving students the competitive edge in the job search. Students will assess their values, interest and aptitudes, research career options, develop job-seeking skills, and interview skills in areas they are considering in order to assess abilities and predict future occupational success. Projects include creation of a portfolio of skills and abilities, completion of a mock interview, and the opportunity to job shadow a professional in the community. Students will take the ASVAB test.

00373- TIGER CAREER ACADEMY (TCA) INTERNSHIP

1 credit per term **Grades 11, 12**
Prerequisite: Completion of Career Academy Courses

This course is the advanced achievement option for students who have completed the coursework of a Career Academy. Students in this course will participate in a Tiger Career Academy (TCA) Internship and create a portfolio documenting their experience and learning in the Career Academy. Students must see their counselor and/or the Tiger Career Academy Coordinator to register.

00190/00191/00192 - MARKETING/AG OJT A/B/C

1 credit per term **Grades 11, 12**
Co-requisite: Class with Business or Ag teacher (see counselor)

Students will be excused from school at the end of 5th hour. Students are expected to work a minimum of 15 hours per week at an approved training station. Students will be expected to complete a monthly activity and be involved in employee reviews. Students will gain hands-on experiences in a job/career choice that is closely related to the student's interests. Many of these skills can be directly transferred to future jobs and careers. (A 3rd trimester of OJT can be registered without a corresponding class.)

NOTE - All students wishing to enroll in On-The-Job must have an exceptional school attendance record and a supervisor at work willing to complete evaluations.

Princeton Online Minnesota Electives

SUPPLEMENTAL STUDENTS MAY NOT ENROLL IN ANY ONLINE ELECTIVE THAT IS OFFERED AS A SEAT-BASED COURSE. Please use the Supplemental Registration Form to register for courses.

Arts

73121 - POM ARTS HISTORY & APPRECIATION

1 credit per term **Grades 10, 11, 12**
Meets an art requirement

This course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what is art; what is creativity; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.

73610/73611 - POM MUSIC APPRECIATION - THE ART OF LISTENING A/B

1 credit per term **Grades 10, 11, 12**

Music is part of everyday life and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. The first trimester covers primitive musical forms and classical music. The second trimester presents rich modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip-hop.

Business

73170/73171 - POM ACCOUNTING I A/B

1 credit per term **Grades 11, 12**

This two-trimester course empowers students to examine how to make decisions about planning, organizing, and allocating resources using accounting procedures. Throughout the course, students focus on double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording revenues, expenses, assets, and liabilities; and the preparation of financial statements.

73174/73175 - POM ACCOUNTING II A/B

1 credit per term **Grades 11, 12**
Prerequisite: Accounting I A/B

Accounting II, a two-trimester course, builds on the foundation acquired in Accounting I, allowing students to extend their skills and knowledge in the subject. The course focuses on various managerial, financial, and operational accounting activities that require the formulation, interpretation, and communication of financial information for use in management decision-making.

73104 - POM DIGITAL INFORMATION TECHNOLOGY

1 credit per term **Grades 9, 10, 11, 12**

Digital Information Technology prepares students to succeed in the workplace. Students begin by establishing an awareness of the roles essential to an organization's success, and then work to develop an understanding of professional communications and leadership skills. In doing so, students gain proficiency with word processing, email, and presentation management software. Microsoft is primarily used.

Careers

73782/73783 - POM PRINCIPLES OF BUSINESS, MARKETING & FINANCE A/B

1 credit per term **Grades 11, 12**

Career Exploration: In this course, students will learn about the key functions of a business firm in our economy including the impact of marketing on business and society, advertising media and its influence on consumer behavior, market strategies, and the foundations of financial operations.

73163/73164 - POM THE LEGAL ENVIRONMENT OF BUSINESS A/B

1 credit per term **Grades 11, 12**

Career Exploration: The Legal Environment of Business examines the role of the law on all aspects of business ownership and management. Throughout the course, students focus on legal ethics, court procedures, torts, contracts, consumer law, property law, employment law, environmental law, and international law. Students also explore the impact of laws, regulations, and judicial decisions on society at large. Through a series of hands-on activities, students will prepare legal documents, create a compliance plan, and research consumer protection issues.

73794/73795 - POM PRINCIPLES OF HUMAN RESOURCE MANAGEMENT A/B

1 credit per term **Grades 11, 12**

Career Exploration: In this two-trimester course, a student will examine the main functions of human resources management, including planning, recruitment, selection, training, development, compensation, and evaluation. In so doing, the course provides students with the tools to hire, manage, and fire employees. Students will also explore the unique role of human resources in the larger organization.

73388/73389 - POM INTRO TO HEALTH & MEDICAL SCIENCES A/B

1 credit per term **Grades 11, 12**
Prerequisite: Health 10/11

Career Exploration: Students explore the services, structure, and professions of the healthcare system and get guidance on choosing a specific career path in health services, including career paths in emergency medicine, nutrition, and alternative medicine. Students focus on day-to-day skills and expectations for health professionals, which include promoting wellness, maintaining a safe environment, creating medical records, and practicing good communication, collaboration, and leadership. Students will also explore topics in medical science, terminology, procedures, and regulations - including an overview of physiology and medical measurements.

73390/73391 - POM INTRO TO NURSING I/II

1 credit per term **Grades 11, 12**
Prerequisite: Health 10/11

Career Exploration: This two-trimester course introduces students to the field of nursing. Students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention and ethics.

73440 - POM INTRO TO EXERCISE SCIENCE

1 credit per term **Grades 12**

Career Exploration: This course takes an in-depth examination of the effects of exercise on the body. Through this course, students will learn basic anatomy, biomechanics, and physiology, as well as proper principles and techniques to design an effective exercise program. The study of nutrition and human behavior will also be integrated into the course to enhance the student's comprehension of this multifaceted subject.

English

73602 - POM MEDIA STUDIES (LITERACY)

1 credit per term **Grades 10, 11, 12**

Media Studies teaches students how to build the critical thinking, writing, and reading skills required in a media-rich and increasingly techno-centric world. A major topic in Media Studies is non-traditional media reading skills, including how to approach, analyze, and respond to advertisements, blogs, websites, social media, news media, and wikis. Students also engage in a variety of writing activities in non-traditional media genres, such as blogging and podcast scripting.

73123 - POM CREATIVE WRITING

1 credit per term **Grades 10, 11, 12**

This course is designed to get students to pursue creative writing as a vocation or as a hobby. It focuses on the exploration of short fiction and poetry, culminating in a written portfolio that includes one revised short story and three to five polished poems. Elements of fiction writing explored in this course include attention to specific detail, observation, character development, setting, plot, and point of view.

Health

73397 - POM NUTRITION AND WELLNESS

1 credit per term **Grades 10, 11, 12**

This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about worldwide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet-related diseases, food handling, nutrition for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

Mathematics

73341/73342/73343 - POM BRIDGE MATH A/B/C

1 credit per term **Grades 11, 12**

(Bridge Math is intended for students who need to review concepts before continuing their studies.) Bridge Math is a fourth-year math course focused on reinforcing core concepts from Algebra I, Geometry, and Algebra II. It starts with a review of algebraic concepts before moving on to a variety of key algebraic, geometric, statistical, and probability concepts. Course topics include rational and irrational numbers, systems of linear equations, quadratic functions, exponential functions, triangles, coordinate geometry, solid geometry, conditional probability, independence, data analysis, scatterplots, and linear and non-linear models of data.

Science

73426/73427 - POM ADVANCED CHEMISTRY A/B

1 credit per term **Grades 11, 12**
Prerequisites: College Chemistry & Teacher Referral

Study in various chemistry topics to better prepare students for science majors. Preparing students for General Chemistry in College

Social Studies

73531 - SOCIOLOGY

1 credit per term **Grades 11, 12**
NCAA APPROVED

Sociology examines why people think and behave as they do in relationships, groups, institutions, and societies. Major course topics include individual and group identity, social structures and institutions, social change, social stratification, social dynamics in recent and current events, the effects of social change on individuals, and the research methods used by social scientists.

73503 - MULTICULTURAL STUDIES

1 credit per term **Grades 11, 12**

Multicultural Studies is a one-term elective history and sociology course that examines the United States as a multicultural nation. The course emphasizes the perspectives of minority groups while allowing students from all backgrounds to better understand and appreciate how race, culture and ethnicity, and identity contribute to their experiences. Major topics in the course include identity, immigration, assimilation, distinctiveness, power, oppression, struggles for rights, regionalism, culture, the media, and the formation of new cultures.

Technology & Engineering

73356 -POM COMPUTER SCIENCE ESSENTIALS-A

1 credit per term **Grades 10, 11, 12**

Computer Science Essentials A is a one-trimester course designed around foundational computer science concepts. Course A includes concepts in coding, digital information, and website & game designing.

73357 -POM COMPUTER SCIENCE ESSENTIALS-B

1 credit per term **Grades 10, 11, 12**
Prerequisites: Computer Science Essentials A

Computer Science Essentials B is a one-trimester course designed around foundational computer science concepts. This course will build on the knowledge from Computer Science Essentials A. Course B includes concepts in computing systems in robotics, computers, the internet, and digital responsibility.