ARMSTRONG HIGH SCHOOL WELCOME

ABOUT THIS COURSE GUIDE

This course guide has been prepared to assist students in selecting courses for next year. We offer a wide variety of diverse, challenging learning opportunities. Planning a high school program to meet each student's unique needs is a process involving many choices and decisions. Each student's success is important to us and the following suggestions will help students in this process:

- Discuss plans with parents/guardians, counselors, and teachers, as they can provide valuable insight and guidance.
- Select courses that will meet district and state graduation requirements as well as support future educational and career goals.
- Participate in courses designed to satisfy current interests, curiosity, and the development of personal/life skills.
- Employ as many resources within the school as necessary to assist in planning an effective overall educational experience.

DISTRICT 281 EQUAL EDUCATIONAL OPPORTUNITY

I. PURPOSE

The purpose of this policy is to ensure that equal educational opportunity is provided for all students of the school district.

II. GENERAL STATEMENT OF POLICY

A. The policy of the school district is to provide equal educational opportunity for all students. The school district does not unlawfully discriminate on the basis of race, color, creed, religion, national origin, sex, gender, marital status, parental status, status with regard to public assistance, disability, sexual orientation, or age. The school district also makes reasonable accommodations for disabled students.

B. The school district prohibits the harassment of any individual for any of the categories listed above. For information about the types of conduct that constitute violation of the school district's policy on harassment and violence and the school district's procedures for addressing such complaints, refer to the school district's policy on harassment and violence.

C. This policy applies to all areas of education including academics, coursework, co-curricular and extracurricular activities, or other rights or privileges of enrollment.

D. Every school district employee shall be responsible for complying with this policy conscientiously.

E. Any student, parent, or guardian having a question regarding this policy should discuss it with the appropriate school district official as provided by policy. In the absence of a specific designee, an inquiry or a complaint should be referred to the superintendent.

NONDISCRIMINATION INFORMATION

District 281 does not discriminate on the basis of race, color, national origin, sex or handicap in admission, treatment or access to its programs and activities, or in employment in its programs and activities. The district has designated two individuals to coordinate efforts to comply with federal laws and regulations.

The district's designated coordinator under Title IX of the Educational Amendments of 1972 (nondiscrimination on the basis of sex in educational programs and activities, including employment and admission) is responsible for coordinating district efforts to comply with Title IX, including investigation of complaints alleging noncompliance or alleging any actions prohibited by Title IX.

The district's designated coordinator under Section 504 of the Rehabilitation Act of 1973 (nondiscrimination on the basis of handicap including admission, treatment or access to programs and activities, including employment in its programs or activities) is responsible for coordinating district efforts to comply with Section 504.

Inquiries concerning Title IX and Section 504 may be directed to Independent School District 281, 4148 Winnetka Avenue North, New Hope, Minnesota 55427-1288, phone number (763) 504-8000.

INTRODUCTION

PLAN YOUR COURSE SCHEDULE

9th Grade Registration Worksheet

10th Grade Registration Worksheet

11th Grade Registration Worksheet

12th Grade Registration Worksheet

Graduation Credit Tracker (Complete before Registering for Senior Year)

SCHEDULE CHANGES

Schedule Changes

All students are required to enroll in at least 12 credits per year. In rare instances, principals have the authority to make modifications to student schedules. Because registration directly influences the school's schedule, students will need to fulfill their requests unless the:

- student is misplaced in the class (determined by the teacher and/or counselor)
- student fails to meet prerequisites
- student with 13-14 credits elects to drop a course
- student needs adjustment due to enrollment in postsecondary options
- student has duplications, irresolvable schedule conflicts or a credit or course imbalance

Once the semester begins, changes are only made for the above reasons within the first five days. Students will have an opportunity to make changes prior to each semester.

Dropping Classes

Students are expected to take all classes for which they have registered. Students may request a class change within the first 5 school days of each semester. Ater that time, any change in schedule may result in a grade of NC (No Credit). Exceptions to this rule may be authorized by the grade level principal.

Contact your counselor to make any changes

Ms. Arianna Crosby
Counselor: Grade 9
763-504-8822 | Arianna_Crosby@rdale.org
Ms. Marilou Exner
Counselor: Students Last Name A-F
763-504-8837 | Marilou_Exner@rdale.org
Ms. Deb Dragseth
Counselor: Students Last Name G-L
763-504-8946 | Debra_Dragseth@rdale.org
Mr. Jamie Dukowitz
Counselor: Students Last Name M-Rj
763-504-8824 | Jamie_Dukowitz@rdale.org
Mr. Antiwan Easley
Counselor: Students Last Name Ro-Z
763-504-8823 | Antiwan_Easley@rdale.org
Ms. Melinda Vogel
Counselor: Career/College/Testing
763-504-8825 | Melinda_Vogel@rdale.org

POST HIGH SCHOOL PLANNING

College Planning Newsletter

College Planning Newsletter

GRADUATION REQUIREMENTS

The Robbinsdale School District Credit Requirements

Forty-three semester credits are required to graduate. One semester-long course equals one credit. Below you will find the required credits in each content area.

Semester Credits	Content Area	Required Course Credits
8	English	
7	Social Studies	(1) Geography (1) Economics *or (2) AP Geography in place of Geography and Economics* (2) World History (2) US History (1) Government
6	Math	(2) Algebra II
6	Science	(2) Biology (2) Chemistry or Physics
1	Physical Education	
1	Health	
2	Fine Arts	Visual or Performing
12	Electives	
Total Credits 43		

Board Policy 613

613 AP: Graduation Requirements

The purpose of this administrative procedure is to set forth requirements for graduation from the school district.

HOW TO REGISTER FOR COURSES

Students should discuss plans with parents/guardians, counselors, and teachers, as they can provide valuable insight and guidance.

- Select courses that will meet district and state graduation requirements as well as support future educational and career goals.
- Participate in courses designed to satisfy current interests, curiosity, and the development of personal/life skills.
- Employ as many resources within the school as necessary to assist in planning an effective overall educational experience.

Once students have planned what courses they would like to register for, they will fill out a form via google link. The link will be available on this page when registration for their grade has opened.

9th to 10th, 10th to11th and 11th to 12th grade registration will open January 30th (counselors will talk to their grade levels about registrations during the week).

9th to 10th, 10th to 11th and 11th to 12th grade registration is **due February 10th.**

Filling out the registration form indicates class preference only, if you are not enrolled at Armstrong High School and would like to attend next year, please fill out the proper enrollment form.

8th to 9th Grade Presentation and Registration Links

2023-24 8th to 9th Grade Armstrong Presentation

2023-24 AHS Class Registration Form - Due January 25, 2023

9th to 10th Grade Links

9th to 10th Grade Registration Form- DUE February 10th

9th-10th Grade Presentation

10th to 11th Grade Links

11th Registration Form- DUE February 10th

10th to 11th Registration Presentation

11th to 12th Grade Links

11th to 12th Grade Registration Form-DUE February 10th

11th to 12th Grade Presentation

ARTS (PERFORMING)

ACTING: 1704

Prerequisite: Introduction toTheater or consent of instructor.
Grades 10-12

This course centers on the basic skills of acting. It includes the actor's internal preparation for playing a role and the development of his or her external techniques for projecting the role to the audience. Diction, body movement, pantomime and creative exercises in the use of imagination and improvisational activities are included. Projects include presentation of one-act plays.
Memorization of scene work is an expectation of this class. *Major Course Goals:* The student will experience and explore various techniques used to create characters for the stage.

INTRODUCTION TO THEATER: Theater Production 1,2: 1746

Grades 9-12
Students examine all aspects of theater arts. They learn about theater history and study the particulars of play production: acting, costuming, set construction, properties, make-up, sound, lights and publicity. They read and discuss plays; they evaluate live and filmed performances. This course is designed to give students a basic understanding of theater that is useful in enjoying theater both as a leisure-time activity and as a potential career. *Major Course Goals:* The student will gain understanding and experience in all aspects of theater including performance, technical skills and evaluation.

COURSE DESCRIPTIONS CHOIRS

The Armstrong Choirs are open to all students in grades 9-12. Each level of choir prioritizes music reading, skill development and vocal technique. All ensembles perform high quality, balanced repertoire (sacred/secular, accompanied/acapella, historical/modern/global). Attendance is required for daily work, special rehearsals and all performances which may occur during and outside of the school day. Specific performance attire is required for each ensemble. Participation in the Armstrong Choirs demands quality teamwork and a high level of individual contribution to meet performance goals.

FRESHMAN CHOIR I & II: 7400/ 7401

Prerequisite: None
Grade 9
Membership is restricted to 9th grade singers. Classes are divided into two sections. The choirs meet every day and perform in the Winter and Spring Concerts. Attendance is required for assigned performances. Participation is anticipated for both consecutive semesters during Freshman year.

FRESHMAN CHOIR/FRESHMAN ORCHESTRA I & II:7442/ 7443

Prerequisite: None
Grade 9
See course description under Freshman Choir. Must take with 7446-7447 Freshman Orchestra/ Freshman Choir. Students are responsible for all required coursework and performances in both courses. *1/2 credit each*

FRESHMAN CHOIR/FRESHMAN BAND I & II: 7440/ 7441

Prerequisite: None
Grade 9
See course description under Freshman Choir. Must take with 7444-7445 Freshman Band/Freshman Choir. Students are responsible for all required coursework and performances in both courses. *1/2 credit each*

VARSITY VIVACE CHOIR I & II: 7740/ 7741

Prerequisite: None
Grades 10-12
Vivace is non auditioned. The choir meets every day and performs in the Winter Concert, Masterworks, Region 6AA Contest and Spring Concerts. Attendance is required for assigned performances and choir activities. Participation is anticipated for both consecutive semesters.

VARSITY VIVACE CHOIR/CONCERT BAND I & II: 7840/7841

See course description under Varsity Vivace. Must be taken with Concert Band/Varsity Vivace. Students are responsible for all required coursework and performances in both courses. *1/2 credit each*

VARSITY VIVACE CHOIR/PHILHARMONIC ORCHESTRA I & II:7713/ 7714

See course description under Varsity Vivace. Must be taken with Philharmonic Orchestra/Varsity Vivace. Students are responsible for all required coursework and performances in both courses. *1/2 credit each*

VARSITY VOLO CHOIR I & II:7742/ 7743

Grades 10-12

Volo is non auditioned. The choir meets every day and performs in the Winter Concert, Masterworks, Region 6AA Contest and Spring Concerts. Attendance is required for assigned performances and choir activities. Participation is anticipated for both consecutive semesters.

VARSITY VOLO CHOIR/CONCERT BAND I & II: 7842/ 7843

See course description under Varsity Volo. Must be taken with Concert Band/Varsity Volo. Students are responsible for all required coursework and performances in both courses. *1/2 credit credit each*

VARSITY VOLO CHOIR/PHILHARMONIC ORCHESTRA I & II: 7715/ 7716

See course description under Varsity Volo. Must be taken with Philharmonic Orchestra/Varsity Volo. Students are responsible for all required coursework and performances in both courses. *Meets Arts Education requirement and/or additional elective credits for graduation. *1/2 credit each*

CONCERT CHOIR I & II:7806/ 7807

Prerequisite: Audition

Grades 11-12

Members are required to audition. They are chosen for advanced musicianship, vocal ability and high quality workmanship. Members are required to participate in all public concerts, music contests and festivals, and performance tours.

CANTORI I & II: 7844/ 7845

Prerequisite: Audition

Grade 11-12

Members are required to audition. They are chosen for advanced musicianship, vocal ability, and high quality workmanship. Members are required to participate in all public concerts, music contests and festivals, and performance tours.

Course Descriptions Bands

At Robbinsdale Armstrong, students in grades 10-12 with background in band are enrolled in Concert Band or are accepted, by audition, into Symphonic Band. Band students in grade nine will be enrolled in the Freshman Band. Each band receives full credit. Each member is required to participate in all concert and contest performances and are required to perform several times in Pep Bands at athletic events.

FRESHMAN BAND I & II: 7402/7403

Grade 9

Prerequisite: Previous instrumental music experience

Members are made up of ninth grade students, the group meets every day and performs at three concerts, pep band games and at graduation. Students attend two sectionals a quarter. Freshman Band students in choir alternate days between band and Freshman Choir. Attendance is required at assigned performances. Marching Band is optional, but students are encouraged to participate.

CONCERT BAND I & II:7808/7809

*Prerequisite:*10th-12th graders with prior band experience in high school. This band is the middle band made up mostly of 10th and 11th graders and some 12th grade students. The group performs in three school concerts, pep band and graduation. Sectionals are during class time. Students in this band may rotate with Varsity Choir. Attendance is required at assigned performances. Marching Band is optional, however students are encouraged to participate.

FRESHMAN BAND/FRESHMAN CHOIR I & II: 7444/7445

See description for Freshman Band. Must take with 7440-7441 Freshman Choir/Freshman Band. *1/2 credit each*

CONCERT BAND/VARSITY VOLO OR VIVACE CHOIR I & II: 7801/7802

Prerequisite: 10th-12th graders with prior band experience; this course generally meets 3rd period and students alternate days between Concert Band and the Men's or Women's Varsity Choir. See description for Concert Band.*1/2 credit each*

SYMPHONIC Wind Ensemble & II: 7701/ 7702

Prerequisite: Audition

Grades 10-12

Members are chosen for advanced musicianship in brass, woodwind or percussion and the ability to fully participate in preparing advanced band literature. In addition to school concerts, pep band and graduation, this top band at Armstrong performs at Orchestra Hall, Conference Festivals and Region VIAA Contests. Attendance is required at assigned performances. Members of Symphonic Band are required to participate in Marching Band in the Fall.

COURSE DESCRIPTIONS ORCHESTRA

At Robbinsdale Armstrong, the orchestras are open to students in grades 9-12. All 9th graders must register for Freshman Orchestra. Philharmonic Orchestra is open to students in grades 10-12 and the Symphony Orchestra is open by audition to 10th through 12th graders. Each orchestra stresses the development of music theory, familiarization with varying styles of orchestral literature and attaining a general knowledge of the current performing scene, as well as historical components of orchestral music. Each orchestra member is required to participate in all concerts, contest/festival performances, and sectionals.

FRESHMAN ORCHESTRA I & II: 7452/ 7453

Prerequisite: Previous instrumental music experience or permission of instructor

Grade 9

Members are made up of ninth grade students, the group meets every day and performs in four concerts: a Fall Concert, a Winter Concert, a Spring Concert and the district Orchestra Rock Concert. Students also attend three sectional per semester, and students participate in a local solo-ensemble event. Attendance is required at assigned performances

PHILHARMONIC ORCHESTRA I & II:7705/7706

Prerequisite: Previous instrumental music experience or permission of instructor

Grades 10-12

Members are made up of 10-12th grade students and meets every day and performs in four concerts: a Fall Concert, a Winter Concert, a Spring Concert and the district Orchestra Rock Concert. Students also attend three sectional per semester, and students participate in a regional solo-ensemble event. Students may rotate with 3rd hour Varsity Choirs. Attendance is required at assigned performances.

SYMPHONY ORCHESTRA I & II:7703/7704

Prerequisite: Audition

Grades 10-12

Members are made up of the 10-12th grade students, students are chosen based on their ability to fully participate in preparing advanced orchestral literature. The group meets every day and performs in five concerts: a Fall Concert, the District Music Festival at Orchestra Hall, a Winter Concert, a Spring Concert and the district Orchestra Rock Concert. Students also attend three sectionals per semester, and students participate in the regional solo-ensemble event. Attendance is required at assigned performances.

FRESHMAN ORCHESTRA/FRESHMAN CHOIR I & II:7446/7447

Orchestra students are responsible for all course work, sectionals and performances of both courses. Must take with 7442-7443 Freshman Choir/Freshman Orchestra. *1/2 credit each*

PHILHARMONIC ORCHESTRA/VARSITY VOLO OR VIVACE CHOIR I & II:7707/7708

Prerequisite: 10th-12th graders with prior orchestra experience Students alternate days between Philharmonic Orchestra and the Men's or Women's Varsity Choir. See description for Philharmonic Orchestra. Must take with either 7715-7716 Varsity Volo Choir/ Philharmonic Orchestra or 7713-7714 Varsity Vivace Choir/Philharmonic Orchestra. *1/2 credit each*

MUSIC CAFÉ: 7746

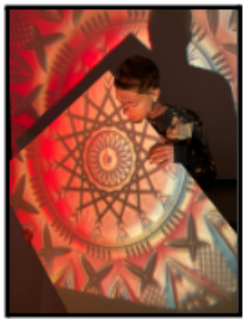
This course is open to all students at Armstrong High School in grades 10 through 12. No past musical experience is required for this course. Registration may be limited. During the first half of the class, students will study and perform African drumming and other world music. The second half of the course features the following aspects of American music: acoustic guitar performance, Native American flute performance, film music study, and history of jazz and rock. Throughout this course we will examine different music career options available in today's society.

ARTS (VISUAL)

Armstrong Art Pathway

@Art_At_Armstrong
@ArmstrongArtNerds
@ArmstrongProductions_

Intro

2-D	3-D	Media
Draw/Paint 1: 7600 *(No prerequisites)* 9-12 Grade	**Sculpture: 7753** *(No prerequisites)* 9-12 Grade	**Photo 1: 7717** *(No prerequisites)* 9-12 Grade
• Develop drawing and painting skills and techniques. • Observe how other artists find ideas, develop themes, convey meaning, and create work in a personal style. Mark making Color Studies Contour Line Drawings	• Sculpt using variety of materials and methods such as: Clay, Wood, Styrofoam, Mosaics, Embroidery, Wire, Cardboard, Found Objects, Plaster, Books, Snow, Soap and Toothpicks. • Learn techniques such as: Hand-building, Carving, Installation and Assemblage.	***Requirement**: Students must have a device with which they can take photos **(DSLR Camera suggested but not required)**.* • Manage a camera, set up a composition, experience how lighting can affect a photograph. • Edit and manipulate a photo with Photoshop. Playing with Light Portraits
  	  	  

Intro cont.

Mixed Media: 7712

(No prerequisites)

9-12 Grade

- Form of art where you combine *two or more* art mediums together to create a new piece of art.
- Work in both 2D and 3D with a choice of media (including found, everyday or recycled materials).
- Techniques learned: Collage, assemblage, printmaking, and image transfer.

Ceramics 1: 7601

(No prerequisites)

10-12 Grade

- Introductory ceramics class with an emphasis on functional pottery, such as mugs, bowls, and vases.
- Students mostly use the kick wheel, but will also do some handbuilding.

A day in ceramics

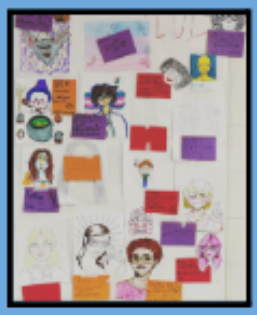
Media Arts 1: 7758

(No prerequisites)

10-12 Grade

- Formerly Digital Arts 1
- Exploratory course to learn the foundational concepts of visual communication.
- Adobe Illustrator is the program used to create and develop projects and artistic voice.

Join a club!



Art Club

AHS Productions

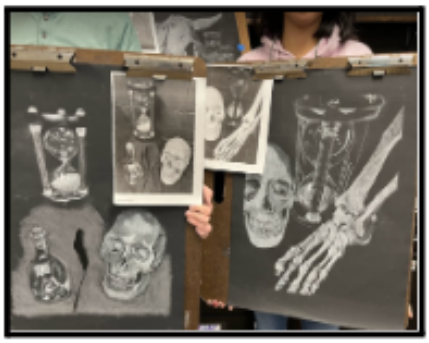
Intermediate

2-D

Drawing & Painting II-III
7709/7710
(Prereq: Draw/Paint 1)
10-12 Grade, 2 credits

- Advance skills and techniques in various drawing and painting topics and media.
- Work with advanced media and develop their own artistic voice. More time for portfolio presentation work.

Monoprint
Color Studies
Still Life Drawings

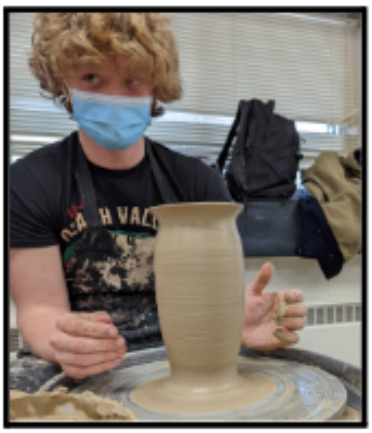


3-D

Ceramics 2&3: 7748
(Prereq: Ceramics 1)
11-12 Grade, 2 credits

- Block class, only available periods 5-6, semester 2.
- Build upon concepts learned in ceramics 1. Learn advanced handbuilding, wheel throwing, and glazing techniques.

Working BIG!



Media

Photo II : 7718
(Prereq: Photo 1)
10-12 Grade

***Requirement**: Students must have a device with which they can take photos **(DSLR Camera suggested but not required)**.*

- Independently focused.
- Photograph and print independent work that reflects a commitment to developing a thematic body of work.

Still Life With A Mood
Capturing Motion

Media Arts II: 7759
(Prereq: Media Arts 1 or Digital Arts 1)
10-12 Grade

- Continue to build on their Adobe software knowledge and advance their artistic voice.
- Adobe Photoshop is the program used to create and develop projects that are more independent and student-driven.

Advanced

2-D

AP Art (Year long): 7848/7849

(Prereq: foundational art course or teacher approval)

11-12 Grade, 2 credits

- College-level course for motivated artists. Complete an AP 2-D or Drawing portfolio to submit to College Board for scoring.
- Research, field trips, oral and written critiques will be integral parts of this course.
- *Can retake the course.*

Play with layers
Studio Day
Sketchbook share

Draw/Paint Seminar: 7846

(Prereq: teacher approval)

11-12 Grade

- Independent Study. Research, explore, test ideas, and create projects in a self-paced environment.

3-D

Ceramics Seminar: 7847

(Prereq: teacher approval)

11-12 Grade

- Independent Study. Research, explore, test ideas, and create projects in a self-paced environment.

Media

AHS Productions 1: 9841

(Prereq: Media Arts 2, or Photo 2, or teacher approval)

11-12 Grade

- Yearlong course
- @armstrongproductions_
- Armstrong Productions
- AHS TV and the podcast, Armstrong Speaks.
- Explore storytelling, videography, sound and film editing, and content creation.

Creating content & having fun

AHS Productions 2: 9848

(Prereq: AHS Productions 1)

11-12 Grade

- Part 2 of yearlong course.
- @armstrongproductions_
- Armstrong Productions
- AHS TV and the podcast Armstrong Speaks.
- Build upon the knowledge of media production using film, photography, video, audio production, and interactive media.

AVID

What is AVID?

AVID is an acronym which stands for **A**dvancement **V**ia **I**ndividual **D**etermination. It is an in-house academic program that prepares students for college eligibility and success. The program targets academically promising students (GPA of 2.0-3.5) and places them in advanced courses, while supporting them in the AVID elective. AVID levels the playing field for underserved students without a college-going tradition in their families.

Mission of AVID

AVID is designed to increase school-wide learning and performance. The mission of AVID is to close the achievement gap by preparing all students for college readiness and success in a global society. Students in this class will:

- Take rigorous courses;
- Participate in mainstream activities of the school;
- Apply for enrollment in two-year & four-year colleges; and
- Become educated and responsible participants and leaders in a democratic society.

The AVID Student—Eligibility Requirements

In order to be eligible for AVID, students must be performing in the academic "middle" but have strong potential. Students must apply and interview for the program. The typical AVID student will have average to high test scores, a 2.0-3.5 GPA, college potential with support, and desire and determination. They also must meet at east one of the following criteria:

- First generation to attend college from their family
- Historically underserved in four-year colleges
- Low income
- Special circumstances (loss of guardian, foster care, etc.)

Why AVID Works

AVID works because:

- The selection process ensures only those with ability, desire and determination participate
- It accelerates underachieving students
- Intensive support is provided
- Focuses on helping all students achieve at high levels, especially students of color
- Specific needs of underachieving students are targeted
- Teacher is redefined as an advocate and guide
- Communication and sharing between teachers, administrators and counselors occurs
- All strategies are research-based

Course Philosophy

The AVID curriculum is offered as an elective course that prepares students for entrance into four-year colleges. It is based on rigorous standards developed by middle and high school teachers and college professors. It is driven by analytical writing, inquiry, collaboration, organization and reading (WICOR), and in addition focuses on study skills, test taking skills, note taking, research, organization, critical thinking, goal setting, choosing a college, and preparing for college entrance and placement exams.

Course Overview

Grades: 9-12

Length: 4 years

Prerequisites: Middle School/High School AVID and/or interview/application process.

0024-0025 9th Grade	**0082-0083 11th Grade**
0080-0081 10th Grade	**0084-0085 12th Grade**

BUSINESS

R PATHWAYS- BLUEPRINT FOR YOUR FUTURE

Armstrong Business Pathway

Advanced

Accounting 2 : 9844

(Prereq Accounting 1)
(Blended Optional)
10-12 Grade

Focuses on more advanced accounting issues and concepts.

Students work at their own pace with support from the teacher.

Work Based Learning: 9946/9947

(Prereq Career Investigations Seminar)
11-12 Grade

Do you work at least 15 hours a week? Want to earn a high school credit for the work you are doing outside of school? Sign up for The Work Based Learning Credit.

MUST TAKE Career Investigations Seminar before or during this course.

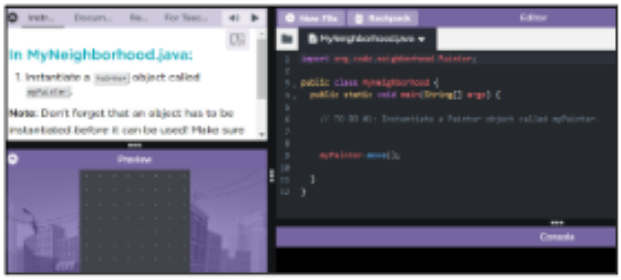
Google for life 2 : 9453

(Prereq Google for life 1)
9-12 Grade

Learn how to enhance any Doc, Slide or Sheet that you will use in everyday life!

AP Computer Science Principles I & II: 9811/9812

(Computer Science knowledge encouraged)
9-12 Grade



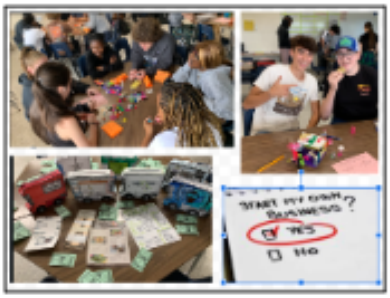
This is for students with base knowledge of coding who will solve design solutions, learn to manage and work within a team. In addition to preparing for the AP exam, students will work together to code a website and app throughout the year. Math brains are encouraged, but not required!

Intermediate

Start Your Own Business: *9011*

(articulated)

11-12 Grade



Discover the business world basics by creating your own business in this course.

Accounting:9007

(articulated)

10-12 Grade

Learn about basic accounting concepts, procedures and financial statements.

College Rocks: 9703

(seniors only)

Investigate majors & colleges, fill out college applications, and learn about financial aid and scholarships.

Sport & Entertainment Marketing: 9008

10-12 Grade

Develop a core understanding of marketing and business using the sports and entertainment industry.

Business Law: 9012

10-12 Grade

Learn your rights as a student, as an adult, an employee and in life by learning about laws affecting minors, contracts, consumer laws and participate in a mock trial.

Intro

Google For Life: 9034

9-12 Grade

Learn how to create and enhance any Doc, Slide or Sheet that you will use in everyday life!

Personal Finance:9010

10-12 Grade

Learn about managing, using and investing your money. Invest in the stock market, plan your wedding, buy a car and maybe get a tax refund.

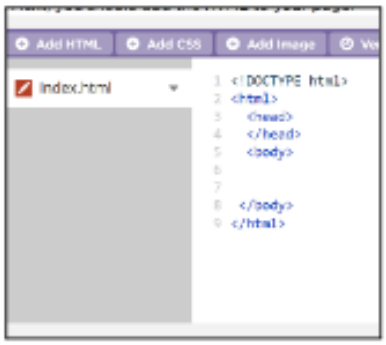
Career Investigations Seminar: 9009

10-12 Grade

Explore and learn about yourself as well as future paths and career options available to you.

Computer Science I & II: 9746/ 9847

9-12 Grade



Want to begin exploring the fundamentals of computer science through leading, problem solving activities, html, game design and more? This is an introduction course to coding! Everyone is welcome! No experience necessary.

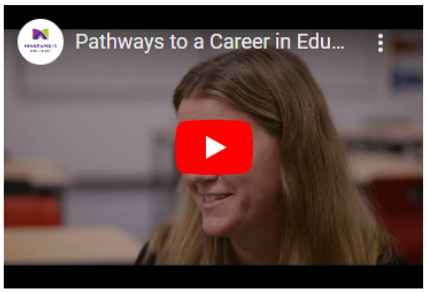
CAREER AND TECHNICAL EDUCATION

R PATHWAYS- BLUEPRINT FOR YOUR FUTURE

Introduction to Urban Education: 0850

Prerequisite: 2.1 GPA or score of 235 on Accuplacer test

Introduction to Urban Education explores a teaching career and provides 3 college credits from MCTC.



GPS Work Based Learning OJT 9946/9947

Grades 11-12

This course is for juniors and seniors in CTE programs that are looking to further their education and skills. Students will gain valuable paid work experience with a local company after they complete their in-person employability training. Successful participants may be eligible for college credit or be invited to become a full-time employee. Students will need to provide their own transportation, apply to the program and be willing to interview with participating companies. Internship/apprenticeship areas include: manufacturing, construction, information technology, health science and engineering.

Manufacturing-Metals: 9078

Grades 10-12

Various aspects of metalworking will be explored. Major emphasis will be placed on welding and sheet metal. You will learn how to use arc welding, MIG (wire-feed) welding, sheet metal equipment, plasma cutting, milling and other power and hand tools associated with metalworking. Safety will be emphasized greatly in this class as you complete team and individual projects from a selection list. the course some technical reading will be done, and this will help prepare you for the technical reading standard found in advanced welding.

CTE Aerospace Engineering/Physics: 9073/9074

Grades 10-12

In this course students will apply physics principles to design items used in everyday and future agricultural life. Projects could include, but are not limited to, super mileage, NASA Hunch projects, and state science fair projects. Teams will work to strengthen engineering principles to design within the constraints of physics. Pre-existing knowledge is not needed to succeed in inventing for NASA. They want fresh eyes and ideas on problems. We will be interacting with NASA engineers on a regular basis. Students will leave this class with recognition by NASA.

Power Mechanics: 9747

Grades 10-12

Tasks include disassembly and reassembly of a small engine, reading repair and technical manuals, and demonstration of ability to use specialized vocabulary and specialized resources. Daily lessons will center on working with small engines, the theory of operation and use of specialized tools, analysis of problems and preventive maintenance, selection, use, and operation of precision measuring equipment. The course will look at electronic fuel injection EFI and electric motors.

Veterinary Sciences: 9072

Grades 9-12

This course deals with the study of large and small animal veterinary sciences. Small animal care, and nutrition will be mixed with modern day practices used by livestock producers in managing their dairy, beef, sheep, hog, poultry and horse enterprises. Expect to understand cell theory, heredity, biological change, interdependence and behavior of animals and other organisms, and current concepts in animal science such as cloning, genetic engineering, nutrition, care, handling, etc. In addition, we will learn about genetics and reproduction, disease prevention and control, and analysis of management techniques used in the industry.

CONSTRUCTION TECHNOLOGY: 9042

Grades 9-12

This course will cover various woodworking techniques. Students will work in teams to plan, create structure, and finish a piece for a manufactured project. Planning will include drafting, wood selection, materials list, and budgeting. The structure will include team activities and building. You will demonstrate the skills required for safety, and the safety of your classmates. Technical reading and writing will be required.

CTE Transportation Engineering/ Physics: 9075/9076

Grades 9-12

In this course, students will apply physics principles to design items used in everyday and future life. Projects could include, but are not limited to, designing a battery electric and or internal combustion car or competitions across North America. Teams will work to strengthen engineering principles to design with in the constraints of physics like aerodynamics, suspension, power train, PLC's, and motor controllers. The class will work with international teams to collaborate on our projects.

Environmental/Bioengineering: 9070/ 9071

Grades 10-12

This is a lab course in which daily lessons will include designing and conducting scientific experiments in naturally occurring environmental and agricultural systems. We will start with how the earth was formed and continue to determine the probable outcomes to each change our planet sees. You will collect and record data for a science fair project of your choosing. Participation in the State Science Fair and World Food Prize are optional. Expect to analyze results, and hypothesize explanations of the data you found. Expect to go out and study insects, birds, trees, and investigate feeding habits of numerous types of wildlife. Minnesota ecosystems will be part of the course, as well as global environmental issues. You should be prepared to endure the natural elements of rain, cold, sun, etc.

Electrical Wiring: 9077

Grades 10-12

This course is designed to be an introductory lab course in electricity and electronics. You will learn how to use various electronic precision measurement devices, how to assemble and design parallel series, series-parallel circuits, use of capacitors, resistors, and diodes, and AC and DC concepts. Daily learning will include residential and industrial wiring learning labs, using a demonstration building as the learning environment. The basic laws of electricity will be explored, with emphasis on Ohms Law and Watts Law. Finally demonstrate, expect to explain, and apply principles of electrical safety.

EL

English Learners

All EL classes are determined by placement tests and EL teacher recommendation.

1020/1021 EL 1-2 I & II (9-12) This course is designed for students who are in the early stages of learning the English language. Students will be introduced to English literature and grammar, and develop basic skills in reading, writing, speaking, and listening. *2 credits each semester*

1040/ 1041 EL 3 I & II (9-12) Students will develop academic English through the study of literature, grammar and communication skills. *1 credit each semester*

ENGLISH

English 9 I&II: 1700/1701

Grade:9

Students will learn high school readiness skills and techniques through the writing workshop approach, speaking opportunities, and fiction and non-fiction texts.

Potential texts and assignments include:

- *Speak*
- *Fences*
- Mythology
- *American Born Chinese*
- *Of Mice and Men*
- Literary Nonfiction
- *Romeo and Juliet*

English 10 I&II: 1702/1703

Grade: 10

Students will examine American Literature through fiction and non-fiction text while developing their argumentation skills.

Potential texts and assignments include:

- Banned Book unit (choose your own book)
- *The Crucible*
- *The Great Gatsby*
- *Their Eyes Were Watching God*

English 11 I&II: 1740/1741

Grade: 11

Students will explore modern literature from diverse perspectives through the use of poetry, non-fiction, novels and various writing activities and speaking activities.

Potential texts and assignments include: Analysis. Dickens and research focused on Poverty. Post-Colonial Literature. Shakespeare's 12th Night. World Poetry and creation of Poetry Portfolios

English 12 I&II: 1742/1743

Grade: 12

Students will learn classical literature from diverse world cultures and focus on additional composition skills not covered in English 11. Students will read plays, novels, short stories and poems. Second semester is dedicated to learning communication and speech skills. Potential Texts and Assignments include: Native MN Current Issues. Frankenstein - passage analysis. Shakespeare's Macbeth - performance. Inquiry project. Public speaking. Film study.

AP Seminar I&II: 1848/1849

Grades: 10-11

Description: Students will examine real-world issues from a variety of perspectives to reveal the complexity that exists beyond pro/con arguments. Students will learn to synthesize information from multiple sources - including from academic journals - and learn to develop and support their own unique opinion in both a written and presented argument. The six AP Seminar Exam Tasks begin *during the school year*. Students will search, read, write, and present both as a team and individually culminating with the seated exam in May. AP Seminar follows the QUEST process of Questioning, Understanding, Exploring, Synthesizing, and Team/Transform/Transmitting.

**There is a mini-investigation summer assignment due the first day of school that provides students with a common QUEST experience used as a starting point for the year

AP English: Language & Composition I&II: 1844/1845 (AP English 11)

Grades: 11-12

Description: Students will complete a number of challenging, multi-draft compositions as well as working toward mastery of Rhetorical Devices, Patterns of Development and syntax and diction. Students will practice skills in order to successfully take the AP Language and Composition exam in May. This class is intended for students who are strong readers and writers and want to challenge themselves in the area of writing. ***Students signing up for this course can expect to complete a summer assignment that is due the first week of school.***

AP English: English Literature I&II: 1846/1847 (AP English 12)

Grades: 11-12

Description: This class is designed to take the place of freshman English at the university level. During this class we will examine the literary genres of drama, short stories, novels, poetry and non-fiction essays which all explore issues surrounding the human condition-something we all experience in any place and in any time. Through critical reading and analytical writing and commentary, we hope to come to some understanding of these universal issues and how the writers helped chart our humanity. This course will also prepare students for the AP English Literature and Composition exam in the spring.

AP Research I&II: 1805/1806

Prerequisites: students must take AP Seminar I&II to be in AP Research

Description: Seniors conduct a long-term research project of their own choosing. In the beginning of the year, the students learn about research methods and develop possible ideas. By December they are working on their independent projects, coached by the teacher who continues teaching basics of researching, writing skills, analyzing data, presentation skills and cooperative learning. The course culminates with an official presentation of their work, worth 25% of their AP score. The formal research paper constitutes the other 75%. There is no exam.

Creative Writing-Poetry & Fiction: 1705

Grades: 11-12

Description: Students will have creative freedom to express themselves by practicing a variety of writing styles and techniques.

Poetry: acrostic, haiku, and concrete

Short Stories: food duo, day in the life of a pet

Journals: 2-3 times a week with a variety of topics

Introduction to Journalism: 1748

Grades: 9-12

Description: Journalism students learn the basics of news. What makes a story newsworthy? What are the responsibilities and rights of journalists? What challenges do journalists - and their readers/viewers/listeners face today? Students report and write news, opinion, feature and sports stories. They also learn the basics of photography and broadcast reporting. Real-life stories might end up in the yearbook, online or featured on AHS News.

FACS (FAMILY AND CONSUMER SCIENCE)

FAMILY & CONSUMER SCIENCES

Creating Healthy & Sustainable Families

Child Development I: 9006 **9th – 12th**	**Child Development II: 9002** **10th – 12th** ***Prerequisite:*** *Child Development I with a passing grade*
Why do babies cry so much? *Why won't children sleep when you want them to?* *Are children more affected by their environment or by genetics?* *...these and many more questions will be answered in Child Development I!* • Examine child development patterns: physical, intellectual, emotional & social • Evaluate theories of child development • Apply theories of child development to concepts in childcare • Research careers related to child development	Interested in learning more about children or working with children? Child Development II will give you the foundation to explore your options in pursuing a career with children. • Review concepts learned in Child Dev. I • Introduction to obtaining the Child Development Associate (CDA) • Analyze theories of child development • Compare and contrast developmentally appropriate practices • Apply concepts learned in class to real-life situations

Food and Nutrition: 9600 **9th – 12th**	**International Foods: 9750** **9th – 12th** ***Prerequisite**: Food and Nutrition with a passing grade*	**Food for Fitness: 9040** **9th – 12th** ***Prerequisite**: Food and Nutrition with a passing grade*
Do you want to cook or bake more? Are you willing to try new things? **Who's going to be cooking for you in four years?** 🙄 This course is designed to transform even the most inexperienced teen chef to be self-sufficient in the kitchen and a savvy consumer. Get ready to learn about and practice skills that will keep you fueled up on healthy, simple, cost-effective foods.	Ready to take your culinary skills to another level? Have you wondered what teens eat for breakfast in other parts of the world? 🌎 We explore cultural cuisines of • Italy • Mexico • Africa • Asia to name a few. If you like to bake, cook, and taste foods from around the world, this class is for you. You will make at least eight different types of food and learn about cultures and traditions.	Have you heard the quote 'Proper diet can't make an average athlete elite, but a poor diet makes an elite athlete average'? 😕 In this course, you will be equipped with nutrition facts that will help you build a healthy body and maximize your mental and physical performance. You don't have to be on a team or play a sport to benefit. You will discover • how choices affect your health across the lifespan • weight management • best foods to fuel up before, during, and for recovery • ways to boost mental fitness

Interior Design: 9005 **9th – 12th**	**Independent Living: 9004** **11th – 12th**
Do you like to rearrange your room? Do you notice how colors and textures can change a space? Are you curious how other people decorate their homes? Get ready to explore pro designer tips plus design theories and then put them into immediate action to: • use balance, texture, color, and shape to add interest to a room • draw a floor plan • create spaces that you enjoy spending time in • make informed accessory choices on a budget • arrange furniture for the best room flow • choose a place to live 💛 Students love how they can immediately apply what they're learning to their interior environments. With some practice and experimentation, you will transform a space into a well-designed, cohesive, beautiful room.	**Adulting is HARD!** *Where am I going to live? How can I find a safe, affordable home?* *Utilities? Do I need utilities?* *Taxes? What are taxes?* *What is credit? Bad credit vs. good credit?* *Do I need insurance? Life, health, car?* *And LAUNDRY?? HELP!!* We will discuss all these subjects plus many more in Independent Living! • Identify your values and goals • Compare and contrast needs vs. wants and how they affect your decision making • Identify sources of income and how different taxes affect your paycheck

9001 Textile Construction & Design I **9th – 12th**	**9048 Textile Construction & Design II** **9th – 12th** ***Prerequisite:*** *Textile Construction & Design I with a passing grade*

Who needs sewing? YOU DO!
 	
This class is much more than learning how to sew, *although* that is a great skill to have!
• Evaluate different textiles and how they are made and used
  ○ Identify the need for new, updated textiles.
  ○ Analyze the effect on the environment and identify ways to change that
• Examine cultural and historical influences of textiles and clothing
  ○ Analyze future trends
• Explore design software to identify what is trending
• Research careers working within the design field
• Create projects for yourself and one community service project!
Sewing Project 1: Basic Pillowcase
Sewing Project 2: PJ Pants
Sewing Project 3: Monster Project (work with elementary students)
Sewing Project 4: Upcycle/Recycle
Projects are subject to change
	Love designing, creating, and bringing your ideas to life?
	
	Take your skills to a new level in this class!
	• Investigate product development from a Textile Perspective
	• Determine how textile apparel, interior, and technical products enhance quality of life for individuals, communities and society
	• Apply complex sewing concepts to a variety of projects.
	• Self - select projects based on *your* interests.

HEALTH

Health Science: 5700

Grades 9-12 (10th grade recommended)

Health Education provides students with the knowledge and opportunity to develop skills necessary to move toward optimum health. This course focuses on students ability to learn and improve their critical thinking, problem solving and decision making skills within the 6 adolescent health priority areas identified by the Center of Disease Control and Prevention.

Topics studied include:

- Health Literacy
- Nutrition
- Mental health
- Drugs and Alcohol
- Human Sexuality

Physical Health:5710

Grades 10-12
Prerequisite:Health Science
Have you ever wondered what happens to your body when you get no sleep? Or which foods will provide you with long-lasting energy? If so, Physical Health Elective is the class for you! Students will analyze their daily habits and how it impacts their physical health. They will practice exercises and increase their knowledge to enhance their daily habits and overall health.

Mental Health:5711

Grades 10-12
Prerequisite:Health Science
Do you feel like your mental health may impact your ability to make friends, keep decent grades, or enjoy daily life? In this course, students will learn about different mental health concerns and practice skills for optimal mental and emotional growth. This course will allow students to address real-life situations and ways to improve them, such as stress management, mindfulness techniques, and healthy coping mechanisms.

MATH

MATH COURSES

Geometry I & II: 4012/4013

Prerequisite: None
Grade 9-12
This course contains Minnesota standards required for graduation. The topics covered in this course include essential Geometry vocabulary, angles and parallel lines. We also study congruent and similar triangles, trigonometry and Pythagorean Theorem along with properties of polygons and translations, transformations and dilations of figures. Finally we cover the area of 2D figures and the surface area and volume of 3D figures. Students will also learn about probability concepts including basic counting principles and conditional probabilities.

Geometry/Algebra 2 (Squeeze 1): 4840/4841

Prerequisite: None
Qualifying for the Squeeze Option: Students, parents/guardians and teachers can request or recommend a student's participation in the Squeeze Option. However, students and parents/guardians should completely understand and commit to the extra workload required to successfully complete three years of math in two years. In the math squeeze option students complete 3 years of math in 2 years for a total of 4 credits. This course contains Minnesota standards required for graduation. During the first year of this two-year course, students will complete all of the essential topics from Geometry and most of the essential topics from Algebra 2.

Algebra 2/Precalculus (Squeeze 2): 4844/4845

Prerequisite: Geometry/Algebra 2 (Squeeze 1)
This course contains Minnesota standards required for graduation. During the second year of this two-year course, students will finish studying the essential topics from Algebra 2, then will complete the essential topics from Precalculus.

Functions, Statistics, and Trigonometry: 4850/4851

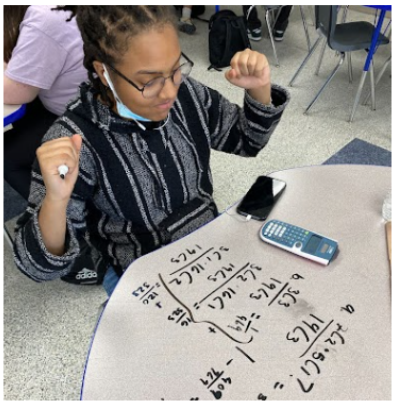
Prerequisite: Algebra 2

This is a one year course which takes a conceptual approach to further mathematical reasoning. Students spend time analyzing functions, including linear, quadratic, polynomial, and exponential. Topics include: Numbers and Algebra, Logic, Sets and Probability, Descriptive Statistics, Statistical Applications, Geometry, Trigonometry, and Mathematical Models. This year of math will review and build on many topics students have studied throughout high school and will help prepare students for success in a college math course.

Accelerated High School Algebra/Algebra 2: 4450/4451

Prerequisite: Geometry

This course will allow students to complete both Algebra courses in a year. Students will explore the same concepts that are in the High School Algebra course and expand these topics as they would in Algebra 2. This will include Linear, Quadratic, Exponential, and Polynomial functions. Students will also explore the following topics from Algebra 2: Transformations, Rational and Radical functions, Arithmetic and Geometric Sequence and Series, and be introduced to basic statistical inference procedures.



High School Algebra I & II: 4448/4449

Prerequisite: Geometry

This course gives the students the opportunity to master all arithmetic building blocks needed to strengthen their skills in linear, non-linear, and abstract concepts. Topics covered in this course include solving linear equations and inequalities, identifying and interpreting functions, solving systems of equations, performing operations with polynomials, solving and graphing quadratic and exponential equations, and evaluating data using data displays.

Algebra 2 Extended I & II: 4047/4048

Prerequisite: 8th Grade Geometry

This course is intended for students who have completed Linear Algebra and Geometry in Middle School. It will address the same concepts of Algebra 2, while providing opportunities for extension.

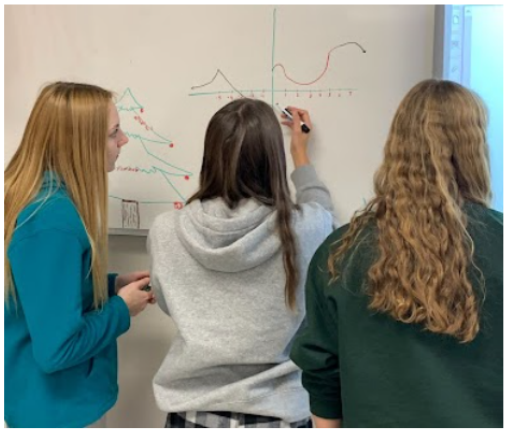
Algebra 2 I & II: 4010/4011

Prerequisite: High School Algebra

Advanced treatment of topics presented in High School Algebra is given. Higher order equations are examined graphically and algebraically. Algebra II is a Minnesota graduation requirement.

Major Course Goals - Students will be able to:

1. Identify properties of advanced algebraic functions, including shape, domain and range, and transformations.
2. Solve and graph quadratic equations.
3. Simplify polynomial, radical, exponential, and rational expressions.
4. Solve polynomial, radical, exponential, and rational equations.
5. Introduce Statistical Inference using the Normal Distribution.
6. Evaluate and write arithmetic and geometric series and sequences



Precalculus I & II: 4014/4015

Prerequisite: Algebra 2 4010/4011

This course is oriented toward college bound students. Topics covered in this course include linear functions, systems of equations, trigonometric functions and the unit circle, graphing trigonometric functions, vectors, conics, exponentials and logarithms, probability, statistics and limits.

AP Precalculus : 4022/4023

Prerequisite: Algebra 2 4034/4035

This course is oriented toward college bound students. Topics covered in this course include linear functions, systems of equations, trigonometric functions and the unit circle, graphing trigonometric functions, vectors, conics, exponentials and logarithms, probability, statistics and limits. An AP exam is given at the end of the school year that allows students to possibly earn a semester credit of college level mathematics.

AP AB Calculus I & II: 4802/4803

Prerequisite: Precalculus or Squeeze 2

The AP Calculus AB course will follow the syllabus set forth by the College Board's Advanced Placement program to cover the topics necessary for the AP Calculus AB exam. Topics covered in this course include limits, derivatives, integrals, and applications thereof. An AP exam is given at the end of the school year that allows students to possibly earn a **semester credit of college level Calculus I**. A graphing calculator, preferably a TI-84+, is necessary for this course.

AP BC Calculus: 4804

Prerequisite: AP AB Calculus

The AP Calculus BC course will follow the syllabus set forth by the College Board's Advanced Placement program to cover the topics necessary for the AP Calculus BC exam, which also includes the material from AP Calculus AB. Topics covered in this course include parametric, polar and vector functions, polynomial approximations, infinite series, and differential equations. Students will be able to apply their knowledge from AB Calculus and an AP exam is given at the end of the school year that allows students to possibly **earn 2 semester credits of college level Calculus I**. A graphing calculator, preferably a TI-84+, is necessary for this course.

AP Statistics I & II: 4805/4806

Prerequisite: Algebra 2 (4010/4011)

The AP Statistics course introduces students to the concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

College Course Equivalent major: The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics.

Statistics I & II: 4605/4606

Prerequisite: Algebra 2 (4010/4011)

In Statistics I and II students will explore, organize and examine data graphically and numerically. Students will collect data and use data to make predictions and draw conclusions. Students will be introduced to inference. Students will also plan and complete a statistical study. This course is intended to be an introduction to Statistics. A graphing calculator is not required for this course.

Calculus I & II: 4842/4843

Prerequisite: Precalculus (4014/4015)

Calculus I & II introduces students to the fundamental topics of Calculus without the commitment of an AP exam. Topics covered include function review and a basic understanding of limits, derivatives, and integrals. This course is intended to be an introduction to Calculus. A graphing calculator is not required for this course.

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<tr><th>8th Grade</th><th>9th Grade</th><th>10th Grade</th><th>11th Grade</th><th>12th Grade</th></tr>
<tr><td rowspan="3">Algebra 1-8</td><td rowspan="2">Geometry</td><td>High School Algebra</td><td>Algebra 2</td><td>AP Statistics
Pre-Calculus
Statistics
FST</td></tr>
<tr><td>Smash (High Scool Algebra + Algebra 2) 2 Courses in 1 year</td><td>AP Statistics
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HIGH SCHOOL MATH FLOW CHART

SCIENCE

REGULAR PHYSICAL SCIENCE I & II: 3401/ 3402

Prerequisite: none
Grade 9

Physical Science is a two semester course. Semester will cover concepts from physics that include lab safety, scientific instruments, motion, forces and energy. Physics semester will involve lab experiments, scientific research, and group projects. Semester focuses on chemistry and will cover matter, the atom, the periodic table, chemical bonding, chemical reactions and will conclude with a 10 day final lab experiment that will bring all of the concepts of chemistry together. Semester is aligned with current state science standards for the nature of science and engineering and physical science. The purpose of this course is to use standards-aligned laboratory-based science experiments to prepare all students for the rigor of biology, chemistry and physics courses that are graduation requirements. *Major Course Goals:* Students will be able to:) practice lab safety, 2) understand the practice of science 3) explain the interactions among science, technology, engineering, mathematics, and society, 4) describe motion of objects, 5) identify how energy transforms, 6) evaluate human interactions with physical systems, 6) use the engineering process, and 7) analyze the properties of matter

AP ENVIRONMENTAL SCIENCE I & II : 3046/3047

Prerequisite: None
Grades 9-12

This is a year-long college-level course for students with an interest in the environment. We will study the complexities of the natural world, identify and analyze environmental problems (both natural and human created), and propose and examine alternative solutions for resolving or preventing them. Topics include climate change, ecosystems, pollution, energy, land and water use, and other environmental issues. You will demonstrate your understanding through a combination of tests, labs, and creative projects. This course will prepare students for the AP Environmental Science test in the spring.

Minnesota Ecology: 3014/3015

Prerequisite: None
Grades 11-12

Do you like nature and being outside? This course focuses on Minnesota's natural resources. We will study lakes and streams, along with forests and prairies. We will investigate the plants and animals that call Minnesota home, and learn about the issues that are causing stress to our natural ecosystems. This course includes lab activities, outside field work, field trips, individual research and projects to study Minnesota's natural resources. Medicine Lake serves as one of our research areas. This is an activity-based class. Be prepared to go outside to learn.

BIOLOGY I & II: 3501/3502

Prerequisite: None
Grades 10-12

In this course we will use class work, inquiry, laboratory study, and independent study skills to explore the following essential outcomes:

1. students will be able to design, implement, and analyze a scientific investigation
2. students will demonstrate an understanding of the characteristics of life and what is required to maintain life.
3. students will demonstrate an understanding of the relationship between the structure and function of living systems
4. students will demonstrate an understanding that organisms and living systems change over time
5. students will demonstrate an understanding of the ways in which humans impact living systems

Major Topics Covered: Characteristics of Living Things, Nature of Science, Ecology, Biochemistry, Cells, DNA, Genetics, Evolution and Body Systems.

Advanced Placement Biology: 3540/3541

Prerequisite: Strong reading skills and teacher recommendation

This course centers on four big ideas: Evolution, Energetics, Information Storage/Transmission, and Systems Interactions. Eight unit topics are explored with an emphasis on experimental analysis and design. The unit topics are: Chemistry of Life, Cell Structure/Function, Cellular Energetics, Cell Communication/Cell Cycle, Heredity, Gene Expression/Regulation, Natural Selection, and Ecology. Successful completion of this course prepares you to take the Advanced Placement Biology Test in May. Students earning a score of 3 or higher are awarded 1 semester (4 hours) of college biology credit at most colleges and universities. Click HERE for more information on the AP Biology program.

ANATOMY AND PHYSIOLOGY I : 3001

Prerequisites: Biology or AP Biology
Grades 11-12

This elective science course investigates the structure and function of parts of the human anatomy. Emphasis is placed on the understanding of human systems. Extensive dissection (***sheep heart, eye and brain and an adult cat***) occurs during the quarter. Students are **required to participate in dissections during this course**. This is a challenging course designed for students planning on post-secondary education in a science-related field after high school.

Major Course Goals: Students will be able to name and locate the bones of the body and superficial muscles, parts of the brain, heart, and eye, body cavities and structures.

ANATOMY AND PHYSIOLOGY II: 3008

Prerequisite: Anatomy and Physiology I
Grades 11-12

This course investigates the structure and function of the human body. Emphasis is placed on further understanding human systems. **Dissection and laboratory experiments are a required part of this class** .Dissections include: Sheep lungs, liver, and kidneys. This is a challenging fast-paced class designed for students that are planning on post-secondary education in a science related field.
Major Course Goals: Students will be able to describe and explain the structure and function of the major human body systems including: respiratory, urinary, endocrine and digestive. Great emphasis will be placed on metabolism and biochemistry.

Physics I & II : 3848/3849

Prerequisite: Algebra II or equivalent, or Higher, current enrollment in Pre-calculus - recommended
Grades 11-12

This course is intended for students who may be considering post-secondary study in the physical sciences but not specifically physics or engineering.
Topics include kinematics, dynamics, conservation of energy and momentum, thermodynamics, sound, optics, electricity, and magnetism. Practical applications and laboratory work are emphasized. As the prerequisite implies, students who elect this class should be comfortable with basic algebra and trigonometry.
This course covers similar material to Enriched Physics, but with more support at every opportunity.

Earth & Space:3002

Prerequisite: Geometry
Grades 11-12

Astronomy is a branch of physics with its origins dating back thousands of years. This part of the course will focus on all parts of our universe, especially our solar system, the Milky Way Galaxy, and the stars in it. For the Earth science you will learn about weather, wind, clouds, and the atmosphere.

In addition to these topics, this course will also look at how astronomy, astrophysics, space travel, and our understanding of the universe are continually changing. Online simulations will be used along with small-scale lab experiments to touch on concepts such as distance measurements, the use of optical devices, the nature of light, the structure of stars and planets, and the distribution of stars and galaxies within the universe.

PRINCIPLES OF CHEMISTRY I & II: 3705/ 3706

Prerequisite: Minimum math requirements - successful completion of HS Algebra

Grades 11-12

This course is designed for students who have an interest in attending post-secondary school, but are not planning to pursue a career in science-related fields. The mathematics emphasis of this course is not as strong as Modern Chemistry. Students wanting to attend college for science related fields, including medicine and engineering, are encouraged to take the college prep Modern Chemistry class. Students in this class study atomic structure, bonding, formula writing, chemical reactions, states of matter, solutions, gases, and calculations involving elements and compounds. *Major Course Goals:* Students will be able to: 1) follow written and verbal directions in a laboratory situation, 2) analyze data collected in laboratory work and draw conclusions from data collected, 3) understand the ideas and basic concepts of matter, 4) understand the concepts of chemistry in order to solve problems relating to chemical laws in a logical procedure, 5) solve problems using the factor-label method.

MODERN CHEMISTRY I & II: 3701/3702

Prerequisite: Minimum math requirements - Completion of HS Algebra with a B or higher or currently enrolled in Algebra II

Grades 11-12

This course is a college prep course intended to teach the concepts of chemistry. This course is a
must for students considering a four-year degree in a science field or for students who have been successful in previous science and math classes. The mathematics emphasis of the course is stronger than Principles of Chemistry. Students study metric measurements, atomic structure, periodic classification, bonding, formula writing, chemical nomenclature, chemical equations, types of chemical reactions, calculations involving element and compounds, solids/liquids/gases, water, solutions, acids and bases, reaction rates and equilibrium, organic chemistry, and nuclear chemistry. *Major Course Goals:* Students will be able to: 1) follow written and verbal directions in a laboratory situation, 2) analyze data collected in laboratory work and draw conclusions from data collected, 3) understand the ideas and basic concepts of matter, 4) understand the concepts of chemistry in order to solve problems relating to chemical laws in a logical procedure, 5) solve problems using the factor-label method and significant figures.

ENRICHED CHEMISTRY: 3740

Prerequisite: Currently enrolled in Algebra II, minimum or teacher recommendation

Grades 11-12

recommendation Enriched Chemistry provides a self-motivated and academically enthusiastic student a highly intellectual approach to the study of chemistry. This course moves at an accelerated pace and has the same content as the initial 2/3 of a first year college chemistry course. Topics include, but are not limited to, stoichiometry, solutions, thermochemistry, quantum chemistry, periodicity, bonding, gas laws, phase changes and intermolecular forces, kinetics, equilibria, and acid/base chemistry. The ability to problem solve is emphasized. This is a block course only offered in the first semester. Enriched Chemistry is a prerequisite to AP Chemistry, which is a continuation of this course.

AP CHEMISTRY: 3741

Prerequisite: Completion of Enriched Chemistry

Grades 11-12

A continuation of Enriched Chemistry concentrating on the content contained in the final 1/3 of a first year college chemistry course. Topics include acid/base equilibria, thermodynamics, electrochemistry, nuclear chemistry, metals and nonmetals, and organic chemistry. This is a singleton course only offered during second semester. Both Enriched Chemistry and AP Chemistry must be completed to take the AP test.

INTRO TO ORGANIC CHEMISTRY: 3742

Prerequisite: One year or one full block of general chemistry

Grades 11-12

This elective course introduces some of the topics of carbon chemistry. In this course you will learn about the basic structure, naming, functions and reactions of various classes of organic compounds. This one-semester course will review the importance of bonding and focus on alkanes and cycloalkanes, alkenes and alkynes, aromatic compounds, halogen compounds, etc. The course will also focus on the development of specific organic laboratory skills such as determining melting and boiling points and separation techniques. Throughout the course you will develop skills in critical thinking, analysis of consumer products, writing lab reports, and proper and safe laboratory techniques. This course is a valuable background for students planning on majoring in chemistry or another science at college or planning on going into a medically-related field such as medical technology, nursing, veterinary science, dentistry or medicine. *1 credit course*

SOCIAL STUDIES

Human Geography I: 2700

Grade 9

This course is based on a thematic approach that examines human world systems, patterns and processes that have shaped our world. The course is designed to help students develop a spatial perspective of the Earth and its people. Students will be challenged to think critically by examining maps, graphs and charts. This course will also have an emphasis on technology use and organization that will assist you in being successful in high school.

Potential topics and activities include:

- Patterns and Processes related to Population, Migration, Culture, Globalization, Land-Use (Agriculture/Cities/Nature), Political Patterns and Processes, Industrial and Economic Development, Mapping (ArcGIS).
- Activities - ArcGIS, Socratic Discussions, Simulations, Issue Analysis, Current Events

Economics: 2707 (Grade 9)/ 2710 (Grade 12) Only needs to be taken once

Grade 9 & 12

This course begins with a study of how scarce resources are utilized to satisfy the economic wants of society. A major focus of the course is placed on the microeconomic models of supply and demand, and the price system. An investigation of personal finance includes how consumers can make educated decisions regarding investing and the use of credit. Macroeconomic concepts covered deal with measuring economic performance and analyzing policy decisions, which affect output and prices in the national economy. This course also recognizes the global nature of economics; students will examine the impact of international trade and international finance on national economies. Evaluation: Based on classroom activities, tests, unit projects and a final exam.

Photographs by Igor Kovalenko, MyShot; Poras Chaudhary, MyShot; and Ana Encinas, MyShot. accessed from nationalgeographic.org, 12/8/22.

AP Human Geography I & II: 2840/2841

Grade 9

AP Human Geography is a college level course designed to introduce students to the study of patterns and processes that shape human understanding, use, and interaction with the Earth. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences.

Units covered include:

- Thinking Geographically
- Population and Migration
- Culture
- Political Patterns and Processes
- Agriculture and Rural Land-Use
- Cities and Urban Land-Use
- Industrial and Economic Development

US History I & II: 2702/2703

Grade 10

During semester one students will examine topics such as colonization of North America, the American Revolution, foundations of the U.S. government, growth and development of the nation, the Civil War, Reconstruction, industrial development, and U.S. imperialism, and the Progressive Era during semester two students will examine topics the Great Depression, and the role of the U.S. in World War II, the Cold War, the Civil Rights Movement, and the era since the 1980s.

Potential activities include:

- Document analysis
- Simulations
- Discussions
- Projects

AP US History I & II:2800/2801

Grade 10

AP US History is a collegiate survey course of US History covering history from Native American cultures prior to European arrival in 1492 to present times. This course provides instruction for study methods and essay writing strategies to provide collegiate study skill preparation. Students enrolling in this class should be prepared for one to two chapters of independent textbook reading per week. Students will be supported with review videos and practice exams to help them prepare for assessments.

Potential activities include:

- Writing strategies and activities
- Historical simulations and games
- Document analysis
- Discussions

World History I & II: 2704/2705

Grade 11

World History I and II study the major civilizations, dramatic changes, and influential ideas in World History. Students will examine world history as an interconnected whole, comparing and contrasting civilizations, analyzing how the world has changed over time as well as how history has impacted the present. Critical thinking and analysis of primary and secondary sources are emphasized.

Potential activities include:

- Document analysis
- Simulations
- Discussions
- Projects

AP World History I & II: 2744/2745

Grade 11

AP World History is a collegiate survey course of World History beginning in the year 1200 CE with the Postclassical era and covering the early modern, revolutionary, industrial and modern eras to present times. This course provides instruction for study methods and essay writing strategies to provide collegiate study skill preparation. Students enrolling in this class should be prepared for one to two chapters of independent textbook reading per week. Students will be supported with review materials and practice exams to help them prepare for assessments.

Potential activities include:

- Writing strategies and activities
- Historical simulations and games
- Document analysis
- Discussions

U.S. Government: 2706

Grade 12

U.S. Government emphasizes the foundations of American government and politics and the rights and responsibilities of U.S. citizenship. It includes a study of the structure of the U.S. government and explores how it embodies the principles and ideals of a democratic republic. In its focus on American political behavior, the course encourages students to identify political issues, think reflectively about these issues, and apply this thinking to constructive action.

Potential activities include:

- Document analysis
- Simulations
- Discussions
- Projects

AP U.S. Government & Politics: 2846

Grade 11-12

Advanced Placement U.S. Government and Politics is a college-level course designed to help students develop an analytical perspective on government and politics in the United States. The course not only seeks to prepare students for the required AP Exam in May, but also seeks to help students develop the political knowledge and reasoning processes necessary to participate meaningfully in the debates currently shaping American politics and society. This course is not a history course; it is a political science course that studies the interconnectedness of the different parts of the American political system and the behaviors and attitudes related to this system.

Potential activities include:

- Document analysis
- Simulations
- Discussions
- Projects
- FRQ Practice/Writing Strategies

Ethnic Studies I & II: 2712/ 2713

Grades 9-12

Ethnic Studies is a year-long course focusing on themes of social justice, social responsibility, and social change throughout the history of the United States. The course spans from past to present, allowing students to identify social patterns among demographic groups living in the United States, discussing culture, politics, and economics. Ethnic Studies primarily focuses on the experiences of Indigenous, African, Latinx, and Asian American people.

Potential topics and activities include:

- Reading and writing strategies
- Document analysis
- Discussions
- Projects

Psychology:2708

Grades 11-12

Psychology is the scientific study of behavior and mental processes. This course focuses on such topics how psychological research is conducted, the study of personality, learning and memory, sleep, personality, emotional and psychological disorders. *Major Course Goals:* Students develop and demonstrate an understanding of human behavior that they can apply to real-life situations.

AP Psychology: 2802

Grades 11-12

Advanced Placement Psychology is a collegiate level course that introduces students to the systematic and scientific study of the behavioral and mental processes of human beings. Students will be exposed to the psychological facts, principles and phenomena associated with each of the major fields of psychology. Students will also learn about the methods psychologists use to explore the processes involved in normal and abnormal perceptions, thoughts, feelings and actions. The course will prepare students to take the required AP Exam in May.

Topics include:

- Neuroscience
- Learning, Memory and Cognition
- Motivation, Emotion and Personality
- Clinical Psychology

Activities include

- Discussions
- Projects

World Religions: 2709

Grades 11-12

World Religions is an elective semester long course. Students will be exposed to a thorough study of the five main religions of the world; Hinduism, Buddhism, Judaism, Christianity and Islam. Students will compare and contrast each religion and will do in depth research on topics of their choosing. We have respectful and engaging discussions at the end of each unit. If time permits we often compare Confucianism, Daoism to Buddhism.

Potential topics include:

- **Compare philosophies of C.S. Lewis and Sigmound Freud**
- **Critically analyze the Design Argument**
- **Analyze the various roles of religion in the world**
- **Beliefs and customs of Hinduism, Buddhism, Judaism, Christianity and Islam**
- **History and origin of each religion**

Activities include

- Graded class discussions after each unit
- Small group work in order to learn from each other as a class

Individual Summative Projects include:

- Research and create a Hindu Puja shrine
- Create a short children's book that teaches the Eightfold Path of Buddhism
- Create a slide show on one Jewish holiday or sacred ritual
- Conduct an analysis of parables of Jesus
- Present a slideshow on various customs of Islam

Intro to Sociology: 2653

Grades 9-12

Sociology is a one semester elective course. The primary goal of this course is to provide an understanding of how society shapes people's lives. Since the groups in which we live - our families, our peer groups and our entire society - connect us all to one another, an introductory understanding of the field of sociology is vital if we are to develop an understanding of who we truly are and why we behave as we do. Beginning with an overview of the discipline itself, selected topics of study include areas such as social institutions, social class and inequality, social interaction, and some of our more pressing, contemporary social problems in the United States today.

Potential topics include:

- Methods of Research
- Culture
- Socialization and the Family
- Institutions, Groups and Organizations
- Media
- Social Deviance and Crime

Why did that happen? #TrendingTopics (Contemporary Issue Analysis): 2920

Grades 9-12

An elective social studies course designed to prepare 9-12 students for career and college readiness by analyzing contemporary issues explored through the lenses of geography, history, economics and the role of citizenship/government. This course is designed for students to use their voice, interests, and skills to explore, evaluate and explain the connection of contemporary events to people's lives at the local, regional and global scales of analysis.

Potential topics and activities include:

- **Discussions**
- **Presentations**
- **Research**

AP African American Studies 2805/2806

Grades 9-12

Description: AP African American Studies reaches into a variety of fields—literature, the arts and humanities, political science, geography, and science—to explore the vital contributions and experiences of African Americans. Students will identify major literary and artistic traditions, describe the impact the Atlantic Slave Trade diaspora and inequality, and explain contributions of African Americans in the United States.

"A solid understanding of how African Americans have shaped America, its history, laws, institutions, culture and arts, and even the current practice of American democracy, sharpens all knowledge about our nation."
—Dr. Nikki Taylor, Chair of the Howard University History Department

AP Macroeconomics: 2848

Grades 9-12

AP Macroeconomics is the study of economics that applies to an economic system as a whole. This course places particular emphasis on the study of national income and price-level determination, measurement of economic performance, the financial sector, stabilization policies, economic growth, and international economics. This class will help develop critical thinking skills through application, understanding, and analysis of economic concepts. AP Macroeconomics is offered 2nd semester and satisfies the economics requirement for graduation, and also may be taken as an elective for those students who have taken a previous Economics class. It is strongly recommended that 9th grade students complete both middle school Algebra and Geometry before taking AP Economics in place of 9th Grade Economics. This is a fast-paced, math orientated college level course.

Potential topics and activities include:

- Mentorship program with investment bankers in the Twin Cities Area, applying the class to real-world careers and situations.
- Stock market simulation
- Many in-class simulations.

AP Microeconomics: 2847

Grades 9-12

AP Microeconomics is the study of economics that applies to individual decision makers, both consumers and producers, within our economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. AP Microconomics is offered 1st semester and satisfies the economics requirement for graduation, and also may be taken as an elective for those students who have taken a previous Economics class. It is strongly recommended that 9th grade students complete both middle school Algebra and Geometry before taking AP Economics in place of 9th Grade Economics. This is a fast-paced, math orientated college level course.

Potential topics and activities include:

- Mentorship program with investment bankers in the Twin Cities Area, applying the class to real-world careers and situations.
- Stock market simulation
- Many in-class simulations.

20th Century Conflicts: 2930

Grades 11-12

20th Century Conflicts is a one-semester class that provides students with a deep understanding of the reasons for American involvement in numerous wars in the 20th Century. The student will be able to trace the main themes and events in World War I, World War II, the Korean War, the Vietnam War, the Persian Gulf War, and wars in Iraq and Afghanistan. The course makes use of a variety of activities to enhance students' understanding of world history including an occasional film study. Students are required to have parent approval because two of the films are rated R. Students will be expected to identify and analyze the significance of social, economic, political, and technological changes throughout the time period of 1900 to 2001. Students will also become proficient in organizing complex historical information in multiple ways, in evaluating primary sources, and in analyzing historical trends. The student will write one essay on the topic of their choice relating to one of our case studies.

SPECIAL EDUCATION COURSES

Resource:

Skills Seminar B 0005/0006
Skills Seminar E 0047/0048
Skills Seminar A 0003/0004
(8th grade org skills)

Guided Study Hall 0538/0539
Language Art 9 1620/1621
Language Art 10 1626/1627
Language Art 11 1624/1625
Language Arts 12 1630/1631
Math Standards I 4700/4701
Math Standards II 4810/4811
Algebra Standards 1
Algebra Standards 2
Transition 11 0608/0609
Transition 12 0610/0611
Work Experience 9035/9036

Stars:

Mastery Language Arts 1018/1019
Mastery Math 4034/4035
Mastery Social Studies 2020/2021
Mastery Strategies 0038/0039
Mastery Skills A 0042/0043
Mastery Skills B 0045/0046

Wave

Language Arts
Essential Transition
Executive Skills Strategies
Strategies for Social Thinking
Math Standards A

Rise

Core Math 0013/0014
Introduction of Employment 0034/0035
Core English 0011/0012
Core Transitions 0017/0018
Core Recreation and Leisure 0032/0033
Vocational Exploration 0074
Steps

PHYSICAL EDUCATION

General Fitness: 6401

Grades 9-12

General Fitness classes include many fitness activities in the following categories: cardiovascular endurance, muscle endurance, muscle strength and flexibility. Team and lifetime activities are also experienced. *Major Course Goals:* Students shall use decision-making processes to select appropriate physical activities to achieve fitness and shall demonstrate understanding of the training necessary to improve fitness and the rules and skills associated with physical activities.

General Fitness (Girls Only Section): 6503

Grades 9-12

General Fitness classes include many fitness activities in the following categories: cardiovascular endurance, muscle endurance, muscle strength and flexibility. Team and lifetime activities are also experienced. *Major Course Goals:* Students shall use decision-making processes to select appropriate physical activities to achieve fitness and shall demonstrate understanding of the training necessary to improve fitness and the rules and skills associated with physical activities.

NET AND RACQUET SPORTS : 6003

Grades 9-12

Prerequiste: General Fitness

This class will be modified from the section for 11th and 12th graders to meet the needs and skill levels of 9th and 10th graders. Individual, dual, and team activities allow students to work on skills and fundamentals of sports that include a racquet and/or net. These activities include tennis, indoor volleyball, soccer, badminton, pickle ball, table tennis, floor hockey and basketball. *Major Course Goals:* Students will be able to: 1) develop a sense of physical, mental and social well- being, self-discipline, cardiovascular endurance, and an enjoyment of lifetime activities that involve a net or racquet, 2) will experience the competitive nature of individual, partner, and group activities, 3) will develop strategies and skills for each activity that will enhance their creativity in a competitive environment.

WEIGHT TRAINING: BEGINNING TO INTERMEDIATE LEVEL: 6005

Grades 9-12

Prerequiste: General Fitness

This is a physical education class intended for those who would like to learn how to use "free" weights and weight machines correctly in order to enhance their current level of strength, physical fitness and self-esteem. Class will include weekly strength and endurance competitions. M*ajor Course Goals:* Students will be able to: 1) set up their own individualized programs by the end of the semester, 2) work on weight training programs to improve their current level of strength and fitness, 3) demonstrate basic knowledge about the muscular system as it relates to weight training, 4) learn to execute power cleans, bench and squats.

WEIGHT TRAINING: BEGINNING TO INTERMEDIATE LEVEL: 6025(Girls only Section)

Prerequiste: General Fitness

This is a physical education class intended for those who would like to learn how to use "free" weights and weight machines correctly in order to enhance their current level of strength, physical fitness and self-esteem. Class will include weekly strength and endurance competitions. **Major Course Goals**: Students will be able to: 1) set up their own individualized programs by the end of the semester, 2) work on weight training programs to improve their current level of strength and fitness, 3) demonstrate basic knowledge about the muscular system as it relates to weight training, 4) learn to execute power cleans, bench and squats. **Evaluation**: 80% of grade will be earned through attendance and participation; 20% of grade will be evaluated by practical tests on exercise technique of the weight training exercises (bench, power clean, squat).

ADVANCED WEIGHT TRAINING: 6006

Grades 10-12

Prerequisite: The Beginning to Intermediate Weight Training

Major Course Goals: Students will be able to: 1) design and follow intermediate to advanced level weight training programs, 2) understand how to set up and follow a training program to maintain strength and prevent injuries. The class will include fun weekly strength and endurance competitions.

TEAM AND LIFETIME SPORTS: 6002

Grades 9-12

Prerequiste: General Fitness

Sports activities concentrate on both team competition and recreational activities. Activities include badminton, flag football, softball, volleyball, soccer, bowling, floor hockey and basketball. Emphasis is placed on advanced skills and strategy. *Major Course Goals:* Students will be able to: 1) develop a sense of physical, mental and social well- being, self-discipline, cardiovascular endurance, an enjoyment of lifetime leisure activities and a respect for the differences and abilities of others, 2) understand the benefits of physical and mental relaxation in a stressful environment, 3) participate in a variety of lifetime leisure activities. intermediate to advanced level weight training programs, 2) understand how to set up and follow a training program to maintain strength and prevent injuries. The class will include fun weekly strength and endurance competitions.

SPORTS AND LEISURE: 6001

Grades 9-12

Prerequiste: General Fitness

This class offers exposure to recreational and leisure lifetime activities, as well as core sports.
Recreation and leisure activities include bocce ball, table tennis, bowling, volleyball, basketball,
floor hockey, tennis, badminton, board games and pickle ball. Students may be required to change
clothing for some units. *Major Course Goals:* Students will be able to: 1) develop a sense of physical, mental and social well- being, self-discipline and enjoyment of lifetime leisure activities, 2) participate in numerous indoor and outdoor sports and recreation lifetime activities.

WORLD LANGUAGE

FRENCH 1 I & II: 8600-8601
SPANISH 1 I & II: 8608-8609

Prerequisite: None, however, it is recommended that students have previously passed the MSRT basic skills English reading test
Grades:9-12
These are introductory courses in which students learn to speak, read, write, and listen through classroom instruction and language laboratory practice. Students who earned a grade of "C" or lower in middle school French 1 or Spanish 1 should enroll in this course rather than enrolling in French 2 or Spanish 2. *Major Course Goals:* Students will be able to: 1) demonstrate an understanding of the basic structures of the language, 2) compare and contrast another culture with their own.

FRENCH 2 I & II: 8602-8603
SPANISH 2 I & II: 8610-8611

Prerequisite: A passing grade in French 1 or Spanish 1 (a minimum grade of "C" is recommended), or department permission
Grades:9-12
Students continue development of communication skills—speaking, reading, writing, and listening. Students who earned a grade of "C" or lower in middle school French 2 or Spanish 2 should enroll in this course rather than enrolling in French 3 or Spanish 3. *Major Course Goals:* Students will be able to make statements and ask "get-to-know-you" questions with reasonable accuracy.

FRENCH 3: 8740
SPANISH 3: 8742

Prerequisite: A passing grade in French 2 or Spanish 2 (a minimum grade of "C" is recommended), or department permission
Grades: 9-12
Students practice conversational skills through the use of the language in realistic situations and increase their comprehension skills. More emphasis is placed on structural aspects and guided composition. Students continue to expand their cultural competencies. *Major Course Goals:* Students will be able to: 1) demonstrate increased vocabulary acquisition, 2) communicate with increased spontaneity in the target language.

FRENCH 4: 8741
SPANISH 4: 8743

Prerequisite: A passing grade in French 3 or Spanish 3 (a minimum grade of "C" is recommended), or department permission
Grades: 10-12
Students will deepen their knowledge of language and culture by engaging with original literary works, film, art, and historical and current events. Classroom interactions are conducted primarily in the target language. *Major Course Goals:* Students will be able to: 1) speak at a more advanced level of communication, 2) participate in more challenging conversations.

FRENCH 5: 8840
SPANISH 5: 8841

Prerequisite: A passing grade in French 4 or Spanish 4 (a minimum grade of "C" is recommended), or department permission
Grades: 11-12
Through a variety of units that incorporate short literary works, music, history, or art, students will further develop and refine their communicative skills with frequent opportunities for practice.
Classroom interactions are conducted primarily in the target language. Students who successfully complete this course have the option to take the Advanced Placement French or Spanish
Language and Culture Exam, and/or universities' graduation proficiency tests, and/or the SAT subject test and expect good results, potentially allowing them to receive both college and high
school credit. Spanish students desiring further study should enroll in AP Spanish Language and Culture as their next course.
Major Course Goals: Students will be able to: 1) increase their speaking, reading, writing, and listening skills, 2) increase their appreciation of literature, language, and culture.

ADVANCED SPANISH LANGUAGE AND CULTURE 9 I & II:8050-8051

Prerequisite: A grade of "C" or higher in the middle school Advanced Spanish 8 class, or department permission

Grade: 9

This is the first course in the Spanish Immersion sequence at the high school level, designed for students who have been part of the Spanish Immersion program in elementary and middle school, also designed for qualified advanced students or heritage speakers. All classroom interaction is conducted in Spanish. Through a variety of literary works and contemporary themes, students develop specific skills emphasized in the Advanced Placement Spanish Language and Culture Exam and become acquainted with the foundational literary concepts of the Advanced Placement Spanish Literature and Culture Exam. Major Course Goals: Students will be able to: 1) refine communication skills, 2) increase their appreciation of literature.

AP SPANISH LANGUAGE AND CULTURE I & II:8552-8553

Prerequisite: A passing grade in Advanced Spanish Language and Culture 9 or Spanish 5 (a minimum grade of "C" is recommended), or department permission

This is the second course in the Spanish Immersion sequence at the high school level, also designed for qualified advanced students or heritage speakers. All classroom interaction is conducted in Spanish. Through a variety of literary works and contemporary themes, students further develop specific skills emphasized in the Advanced Placement Spanish Language and Culture Exam and become more acquainted with the literary concepts of the Advanced Placement Spanish Literature and Culture Exam. *Major Course Goals:* Students will be able to: 1) refine communication skills, 2) increase their appreciation of literature, 3) achieve success on the AP Spanish Language and Culture Exam. AP Spanish Language and Culture Exam

AP SPANISH LITERATURE AND CULTURE I & II:8056-8057

Prerequisite: A passing grade in Advanced Spanish Literature and Culture 11 (a minimum grade of "C" is recommended), or department permission.

This is the fourth course in the Spanish Immersion sequence at the high school level. All classroom interaction is conducted in Spanish. Students will complete their study of a representative body of Chicano/Latino, Latin American, and peninsular Spanish literature in preparation for the Advanced Placement Spanish Literature and Culture Exam. Students will have ongoing and varied opportunities to further develop their proficiencies across the full range of language skills—with special attention to critical reading and analytical writing—and will reflect on the many voices, cultures, and contexts reflected in these diverse works in Spanish. In a historical context, students will examine the following six themes of the course: societies in contact, the construction of gender, time and space, literary creation, interpersonal relationships, and the duality of being. Students will demonstrate the ability to think critically by making connections between literary and artistic works produced in different times and in different places, and by finding connections between these works and students' own experiences. *Major Course Goals:* Students will be able to: 1) refine advanced communication skills, 2) expand verbal and written communication, and 3) achieve success on the AP Spanish Literature and Culture Exam. AP Spanish Literature and Culture Exam

ADVANCED SPANISH LITERATURE AND CULTURE 11 I & II:8054-8055

Prerequisite: A passing grade in AP Spanish Language and Culture (a minimum grade of "C" is recommended), or department permission

This is the third course in the Spanish Immersion sequence at the high school level. All classroom interaction is conducted in Spanish. This course is aligned with the AP Spanish Literature and Culture course to prepare students for the Advanced Placement Spanish Literature and Culture Exam. These two courses and the exam are based on a third-year college survey course in which students explore major works of literature in all the principal literary genres from the Middle Age through our current time—short stories, drama, novels, essays, and poetry—by writers from around the Spanish-speaking world. Students explore the relationship between literature and culture by engaging with major literary and philosophical movements throughout history. Students also experience art, music, film, and other cultural products that help them further prepare for the Advanced Placement Spanish Literature and Culture Exam. *Major Course Goals:* Students will be able to: 1) refine advanced communication skills, 2) expand verbal and written communication, and 3) prepare further for the AP Spanish Literature and Culture Exam.

AP (ADVANCED PLACEMENT) INFORMATION

Advanced Placement, a program sponsored by the College Board, gives high school students the opportunity to take college-level courses in high school. Based on scores of AP Exams, given in May of each year, students may earn college credit, advanced placement in college, or both.

AP tests are scored on a 1-5 scale:

- 5 = extremely well qualified
- 4 = well qualified
- 3 = qualified
- 2 = possibly qualified
- 1 = no recommendation

Although each college determines its own policy for awarding AP credit, most colleges give advanced placement for scores of 3 or better and most also give credit for scores of 4 or 5.

Process for enrolling in AP classes:

Armstrong offers more than 20 AP courses. Students interested in registering for AP Classes, should indicate so during the registration process. Acceptance to an AP course is not guaranteed and some courses require prerequisite coursework. Students will be notified of their acceptance into their AP classes in late spring.

Please note: *All students who enroll in AP courses may be required to : 1) do all summer work associated with a course, 2) acknowledge, along with a parent or guardian, they have made an informed decision regarding enrollment in AP course(s), and 3) understand that the expectation is that if a student commits to AP, he or she will not be able to drop the class.*

Explanation and Benefit of AP Courses

AP is a cafeteria program in which students can pick and choose which rigorous courses they would like to take. Students do not have to take a certain number of AP courses while at Armstrong nor do they need to have had experience in high-level courses at the middle school level. All students considering applying to college after their high school careers should strongly consider taking at least one AP course because research indicates that students who do so have significantly more success in college and have higher rates both in graduating from college and graduating from college in four years. Students may opt to take one AP course during high school, or they may choose to take up to nine or ten. ***Typically we recommend strong students take one AP course during 10th grade, 2 during 11th grade, and 3 during 12th grade, but ultimately it is a decision the student and family must make together based on considering a student's skill level, work ethic, GPA goal, and time availability.***

AP courses require a significant amount of time outside of school for studying and students are typically successful with reading scores of 70% or higher, in the district standardized test, such as MAP or FAST. Students with lower reading scores absolutely may take AP courses but should plan for additional time to complete assignments and seek out additional support. For instance, a student with reading scores in the 75th percentile for reading may take AP courses during each academic year, while a student in the 40th percentile in reading might wait until senior year to take an AP course as an elective class, when it is less likely to influence their GPA or necessary credits to graduate.

Recognition by College Board for participation in Advanced Placement (AP)courses

Students may earn recognition from the College Board for their participation in AP courses and exams in many ways:

AP Scholar—Score of 3 or higher on 3 or more AP Exams
AP Scholar with Honor - Score of 3 or higher on 4 or more AP Exams with the average score for all AP Exams at 3.25 or higher
AP Scholar with Distinction—Score of 3 or higher on 5 or more AP Exams with the average score for all AP Exams at 3.5 or higher
National AP Scholar -Score of 4 or higher on 8 or more AP Exams with the average score for all AP Exams at 4 or higher

AP Capstone Diploma Program

This program signifies outstanding academic achievement and attainment of college-level academic and research skills. It is a rigorous research-based program that develops critical thinking skills, such as understanding multiple perspectives, researching a hypothesis and synthesizing an argument, and working with others to prepare and present information. Students may earn the AP Capstone Diploma or the AP Seminar and Research Certificate by completing the following requirements:

AP Capstone Diploma:

-AP Seminar I & II (English) (2 credits) (with score of 3 or higher)

- Team Project and Presentation
- Research-Based Essay & Presentation
- End-of-Course Exam

-AP Research I & II (English) (2 credits) (with score of 3 or higher)

- Research Process Documentation
- Academic Thesis Paper (20+ pages)
- Presentation & Oral Defense of Thesis to Academic Panel

- 4 Additional AP Courses & Exams of Student's choice (with scores of 3 or higher)

AP Seminar and Research Certificate:

-AP Seminar I & II (English) (2 credits) (with score of 3 or higher)

- Team Project and Presentation
- Research-Based Essay & Presentation
- End-of-Course Exam

-AP Research I & II (English) (2 credits) (with score of 3 or higher)

- Research Process Documentation
- Academic Thesis Paper (20+ pages)
- Presentation & Oral Defense of Thesis to Academic Panel

FAQS

Making Choices

Decision-making is a process that needs to be taken seriously. To make good decisions, it is important that you gather enough information and understand the guidelines within which you must operate. Staff at RAHS feel it is important that you do the following:

- Discuss your plans with parents, and/or guardians, counselors, teachers and anyone you know in the career you are considering.
- Be aware of required courses for the career and school you are considering.
- Participate in courses that will satisfy your current interests and curiosity, as well as develop your special skills and talents.
- Always keep graduation requirements, both state and local, in mind as you plan.
- Understand that you (the student) are responsible for completing the required courses and credits for graduation.

All courses are subject to availability based on course demand.

Special Class Assignments

Some students qualify for advanced placement, enriched/honors and special education classes. Counselors and teachers make recommendations for these classes. If you feel any are appropriate for you, please feel to discuss with your counselor.

Prerequisites

After course titles in the individual departments, prerequisites may be listed. Reasons may be: sequence courses, instructor approval, must be at a certain grade level. Some courses require you to have taken a course previous to enrollment in the one you are considering. For example, Spanish 3 cannot be taken before Spanish 2. Other courses indicate prerequisite and name the course that must have been taken. For example: AP Statistics I & II, Prerequisites: Complete Algebra II and Geometry.

Class Changes

All students are required to enroll in at least 12 credits per year. In rare instances, principals have the authority to make modifications to student schedules. Because registration directly influences the school's schedule, students will need to fulfill their requests unless the:

- student is misplaced in the class (determined by the teacher and/or counselor)
- student fails to meet prerequisites
- student with 13-14 credits elects to drop a course
- student needs adjustment due to enrollment in postsecondary options
- student has duplications, irresolvable schedule conflicts or a credit or course imbalance

Once the semester begins, changes are only made for the above reasons within the first five days. Students will have an opportunity to make changes prior to each semester.

Dropping Classes

Students are expected to take all classes for which they have registered. Students may request a class change within the first 10 school days of each semester. After that time, any change in schedule may result in a grade of NC (No Credit). Exceptions to this rule may be authorized by the grade level principal.

Pass/No Credit

All required and elective courses are graded A to NC or I. However, **one elective single course per semester or one block class per year may be taken on a pass/fail basis per school year.** A **"Pass"** grade means a credit is awarded which has no effect on the grade point average. A **"No Credit"** grade means no credit is given and the "NC" counts 0.0 in the G.P.A. as a failed course. Students should always confer with the teacher to be clear about the class expectations for earning a "P" grade. Students should be aware that colleges sometimes look at P's negatively. **Please check with the individual college of your choice for their expectations. Students taking a class pass/no credit will not be eligible for an academic letter for the school year in which they take the class.**

A course taken as pass/no credit cannot be used to meet specific required credits. **A course taken as pass/no credit can only be used to meet the elective credit category.**

A student requesting to take a course P/NC must obtain a form, "Request for Pass-No Credit Basis," from the Guidance Office. It is the student's responsibility to obtain the required signatures and to return the form to the teacher for that class by Friday of the eighth week of the semester. P/NC status will not be granted after the stated deadline. At the end of the semester, the teacher notifies the data processing clerk of the student's P/NC status.

Grade of Incomplete

Final grades of Incomplete (I) must be formally changed by the teacher no later than the end of the quarter following the initial grade entry or an NC will result. It is the student's responsibility to work with the teacher to ensure deadlines are met.

Transcript Grades

All grades earned at Armstrong remain part of the student's official transcript. Once a grade is entered by a teacher it becomes part of the permanent transcript. Grades are posted on the transcript each semester. If a student retakes a course, the original grade remains on the transcript.

Credits, Transfer

According to District Policy on Secondary Course Credit, building counselors/principals have the authority to interpret credits from other educational institutions and equate these credits in a fair and equitable manner with the standards applied to those credits awarded in the regular school program of District 281.

District 281 Policy for Reporting Standardized Test Scores on Student Transcripts:

Students need to request that a copy of their ACT/SAT scores be sent to the school of their choice. These include optional college admission tests (ACT, SAT) and practice tests (PLAN, PSAT). When applying to colleges, students should check to see if their colleges want an official ACT or SAT test score from the testing organization, American College Testing or The College Board. Some colleges want official score reports while others accept the scores from the high school transcript.

Post-Secondary Enrollment Options Act

The Post-Secondary Enrollment Options Act was signed into law as part of the 1985 Omnibus Education Aids Bill. It allows high school junior and senior students to attend a college, either full-time or part-time, at no cost to the student. Colleges carefully evaluate high school rank and test scores when considering high school students for enrollment. Generally, juniors must be in the top one-third of their class, while seniors must be in the top half. Tenth grade students are now eligible to enroll in one Career and Technical Education (CTE) course on a college campus through the PSEO program. If a student earns a C or better in the first semester, she/he can take more courses. Transportation funds are available for qualifying students based on financial need, who want to participate in PSEO. In order to be eligible, a 10th grade student must have taken the 8th grade MCA reading test in the 8th grade and have met the composite proficiency level of "meets or exceeds." Information about these options is available in the guidance office. Online PSEO courses are available.

Making Final Plans

It is recommended that students see counselors for final discussion of long-range goals and means to achieve these goals. It is very important to make wise choices now! Registration will be final if there is adequate enrollment to offer all courses a student selects, if there is adequate space available in the courses chosen, and if a student continues to qualify for each course by completing the prerequisite course, if any, with a satisfactory grade. Be prepared to list alternative courses. If students do not register on time, classes will be chosen for them.

ACT - Four tests are given in the areas of English, Math Reading and Science. Students receive four separate scores plus a composite score . Students are also encouraged to take the ACT plus writing test. Almost all colleges and universities in the United States accept the ACT. It is given on five dates throughout the year: October, December, February , April and June. Specific dates are listed at www.act.org. Please note that the registration deadlines for these tests are at least one month earlier than the test date. All juniors will take the ACT test at Armstrong.

PSAT/NMSQT (Preliminary Scholastic Assessment Test and National Merit Scholastic Qualifying Test) - Because this is the National Merit Scholarship Qualifying Test, academically superior juniors are encouraged to take the test. Those juniors in each state whose combined verbal, math and writing scores rank at the 99 percentile qualify for the next level of the National Merit competition. Those who rank from above the 98 percentile down to the 96 percentile receive a commendation, but do not continue in the Merit competition. This test is also for juniors who want to compete in the special scholarship programs for African American students. Academically superior sophomores may want to take the PSAT for practice; however, only PSAT scores taken in the junior year qualify for the National Merit Programs.

SAT I (Scholastic Aptitude Test) - This is a three-hour and 45-minute test that measures critical reading, mathematical reasoning, and writing skills. It is given on seven dates throughout the year: October, November, December, January, March, May and June. Specific dates are available in the guidance office; however, SAT I and SAT II cannot be taken on the same day. Please note that the registration deadlines for these tests are about one month earlier than the test date.

SAT II - These are one-hour tests measuring knowledge in specific subject areas. Some four-year colleges require three achievement tests, given the same dates as SAT. Tests are given in a variety of subject areas. Specific dates are available in the guidance office; however, SAT I and SAT II cannot be taken on the same day. Please note that the registration deadlines for these tests are about one month earlier than the test date.

AP (Advanced Placement Tests) - Most are three-hour examinations based on full-year college-level courses. A few are two-hour exams based on half-year college courses. Exams are given once a year in May. Currently Armstrong offers: Biology, Environmental Science, Calculus, Chemistry, English Language, English Literature, Government, Human Geography, Macroeconomics, Microeconomics, Music Theory, Physics, Psychology, Spanish Language, Spanish Literature, U.S. History, World History, Statistics, Computer Science A, and Seminar.

ARMSTRONG HIGH SCHOOL CAREER CENTER

The Career Center is available to help students prepare for their future. Services and resources available include: 1) College visits, 2) Assistance with college applications and financial aid, 3) Assistance with Naviance, and 4) ACT and SAT registration information. The Career Center is located in the Guidance Office.

COLLEGE-LEVEL COURSEWORK AND CERTIFICATIONS

R PATHWAYS- BLUEPRINT FOR YOUR FUTURE

R Pathways engages students by incorporating academic, creative, and technical skills into their curriculum. By taking these career-related courses and immersing themselves in work-based experiences, students can discover how their passions can translate into a successful career.

Robbinsdale offers unique career and college pathways that prepare students for life beyond school in 4 different Career areas:

Health Science and Human Services

Arts and Communication

Business, Computer Science and Marketing

Engineering, Manufacturing and Construction.

Click here to learn more about all of the R Pathways Robbinsdale has to offer.

ADVANCED PLACEMENT (AP)

Armstrong High School

AP Course Offerings 2023-2024

9th Grade

AP Human Geography
AP Environmental Science

10th Grade

AP Biology
AP U.S. History
AP Seminar
AP Spanish Lang & Culture
AP Pre-Calculus

11th & 12th Grade

AP Language and Composition
AP Physics B and C
AP Literature and Composition
AP Chemistry
AP Seminar
AP Environmental Science
AP Research*
AP Calculus AB and BC
AP Psychology
AP Statistics
AP U.S. Government and Politics
AP Pre-Calculus
AP World History
AP Studio Art [2D/3D]

AP Human Geography
AP Drawing
AP African American History (no test)
AP Spanish Language and Culture
AP Microeconomics
AP Spanish Literature and Culture
AP Macroeconomics
AP Computer Science Principles

*must take AP Seminar first

AP Scholars

Granted to students who receive scores of 3 or higher on three or more AP Exams.

National AP Scholar

Granted to students in the United States who receive an average score of at least 4 on all AP Exams taken, and scores of 4 or higher on eight or more of these exams.

AP Scholar with Distinction

Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams.

AP Capstone Diploma

Awarded to students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma.

CONCURRENT ENROLLMENT

Introduction to Urban Education: 0850- This course will provide students with an introduction to Urban Education. Students will receive 3 college credits from Mpls. Community and Technical College upon successful completion of the course. Click here for more information

Prerequisite: Students are expected to have a GPA of 2.1 or higher.

Emergency Medical Responder (EMR): 5641 Semester 1 (11-12 only)- This course is designed to provide the first responder at the scene of a medical or trauma emergency the necessary knowledge and skill to manage patient care until the arrival of ambulance personnel. The course will cover the following topics: anatomy and physiology, the body systems, medical terminology, patient assessment, vital signs, bleeding and shock control, spinal immobilizations, splinting, bandaging, use of oxygen, adjunctive equipment, water safety and life saving techniques, working with ambulance stretchers and patient transport, as well as CPR instructor training. Emphasis is placed on practical skills through simulations and field experience opportunities.

This course is run off-campus and will take up 2 hours of your schedule for bus transportation to and from the class (For example, you'll leave at the beginning of one hour and return at the end of the next hour of class).

Emergency Medical Technician (EMT): 5642 Semester 2 (11-12 only)- This course will prepare a student to become a certified Emergency Medical Technician-Basic. The focus of this course is the recognition and emergency treatment of sick or injured patients. Students will be trained to utilize basic and advanced EMS skills and equipment. Students will be provided with the unique opportunity to learn in a hands-on environment by way of simulated emergency scenarios and speakers currently working in the emergency care field including physicians, nurses, paramedics, fire fighters, law enforcement officers and other medical personnel. Field study opportunities are available at area hospitals, clinics, ambulance services, police departments, fire departments.

This course is run off-campus and will take up 2 hours of your schedule for bus transportation to and from the class (For example, you'll leave at the beginning of one hour and return at the end of the next hour of class).

ARTICULATED ARGREEMENTS

What is Articulated College Credit (ACC)?

- Earn Technical or Community College Credits in grades 10, 11 and 12.
- Stay in your own high school with your friends and the teachers you already know
- Explore career opportunities through high school courses
- Complete your college program sooner, save time and money
- Choose a specific Technical or Community College career program or a major that may lead to transfer options to a university

What courses are offered for ACC at Armstrong?

- Accounting 1
- Business and Criminal Law
- Start your own Business
- Metalworking

PSEO-POST SECONDARY ENROLLMENT OPTIONS

Post-Secondary Enrollment Options Act

The Post-Secondary Enrollment Options Act was signed into law as part of the 1985 Omnibus Education Aids Bill. It allows high school junior and senior students to attend a college, either full-time or part-time, at no cost to the student. Colleges carefully evaluate high school rank and test scores when considering high school students for enrollment. Generally, juniors must be in the top one-third of their class, while seniors must be in the top half. Tenth grade students are now eligible to enroll in one Career and Technical Education (CTE) course on a college campus through the PSEO program. If a student earns a C or better in the first semester, she/he can take more courses. Transportation funds are available for qualifying students based on financial need, who want to participate in PSEO. In order to be eligible, a 10th grade student must have taken the 8th grade MCA reading test in the 8th grade and have met the composite proficiency level of "meets or exceeds." Information about these options is available in the guidance office. Online PSEO courses are available.

All rules apply to PSEO students while they are on our campus and at school activities. Post-secondary students who fail to comply with school rules and district discipline policies will be subject to the same disciplinary rules in effect for all of our students.

PSEO Clearance for Graduation

Seniors enrolled in clooege spring quarter classes must receive grades befoer credits in the appropriate areas. re a diploma will be issued. Students will receive the high school diploma upon verification of the 43 high school semest

MINNESOTA WORLD LANGUAGE CERTIFICATE, BILINGUAL SEALS

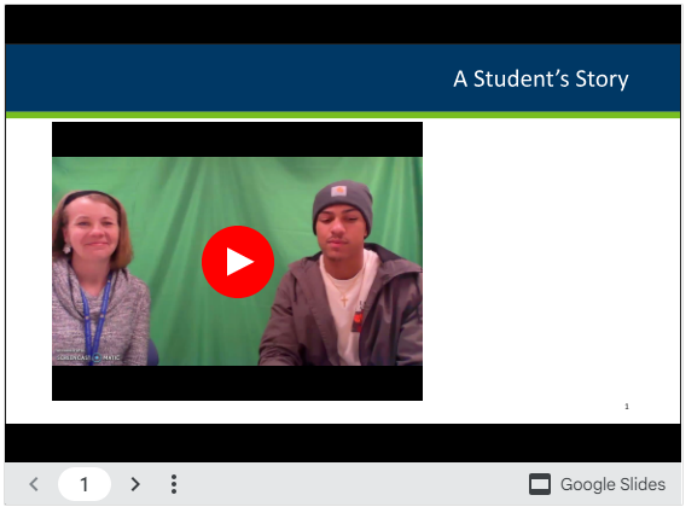
You can earn a Bilingual Seal by taking a language proficiency test right here at Armstrong High School. For more information and how to register, please **watch this video** or read through this **slide deck.** To hear student testimonies, check out **slides 1 and 12**.

Please note **registration for the STAMP Bilingual Seals test is a two-step process**:

1. Go to your **school store on Infinite Campus to purchase the test.**
2. Complete this **Google form**.

Registration for the STAMP Bilingual Seals Test runs from **October 6th -November 3rd.** No late registrations are accepted.

STAMP testing will run from November 27th-December 15th. The exact dates will be emailed to registrants by November 10th.



COURSE GUIDE INDEX

Course #	Title	Grade	Semester Credit	Elect/Req	Length	AP/Artioulated/Conourrent	Meets Requirement	PreReq
1704	Acting	10-12	1	Elect	Semester		Fine Arts	None
1705	Creative Writing-Poetry & Fiction	11-12	2	Elective	Year Long		Elective	
1745	INTRODUCTION TO THEATER: Theater Production	9-12	1	Elect	Semester		Fine Arts	None
1748	Introduction to Journalism	9-12	2	Elective	Year Long		Elective	
2653	Intro to Sociology	9-12	1	Elective	Semester		Social	
2700	Human Geography I	9	1	Req	Semester		Social	
2706	U.S. Government	12	1	Req	Semester		Social	
2707	Economics	9 &12	1	Req	Semester		Social	
2708	Psychology	11-12	1	Elective	Semester		Social	
2709	World Religions	11-12	1	Elective	Semester		Social	
2802	AP Psychology	11-12	1	Elective	Semester	AP	Social	
2846	AP U.S. Government and Politics	11-12	1	Elective	Semester	AP	Social	
2847	AP Macroeconomics	9 &12	1	Elective	Semester	AP	Social	
2848	AP Microeconomics	9 &12	1	Elective	Semester	AP	Social	
2920	Why did that happen? #TrendingTopics (Contemporary Issue Analysis)	9-12	1	Elective	Semester		Social	
3001	ANATOMY AND PHYSIOLOGY I	11-12	1	Elective	Semester		Science	Biology or AP Bio
3008	ANATOMY AND PHYSIOLOGY II	11-12	1	Elective	Semester		Science	Anatomy and Physiology I
3008	Earth & Space	11-12	1	Elective	Semester		Science	Geometry
3740	ENRICHED CHEMISTRY	11-12	1	Elective	Semester		Science	*Currently enrolled in Algebra II, minimum or teacher recommendation*
3741	AP CHEMISTRY	11-12	1	Elective	Semester	AP	Science	*Enriched Chemistry*
3742	INTRO TO ORGANIC CHEMISTRY	11-12	1	Elective	Semester		Science	*One year or one full block of general c*
3842	Enriched Physics	11-12	1	Elective	Semester		Science	*Completion of or current enrollment in Calculus. Completion of Modern or AP Chemistry*
4804	AP BC Calculus	11-12	2	Elective	Year Long	AP	Math	*AP AB Calculus*
5700	Health Science	9-12	1	Elective	Semester		Health	
5710	Physical Health	9-12	1	Elective	Semester		Health	Health Science
5711	Mental Health	9-12	1	Elective	Semester		Health	Health Science
6001	SPORTS AND LEISURE	9-12	1	Elective	Semester		Phy Ed	General Fitness
6002	TEAM AND LIFETIME SPORTS	9-12	1	Elective	Semester		Phy Ed	General Fitness
6003	NET AND RACQUET SPORTS	9-12	1	Elective	Semester		Phy Ed	General Fitness
6005	WEIGHT TRAINING: BEGINNING TO INTERMEDIATE LEVEL	9-12	1	Elective	Semester		Phy Ed	General Fitness
6006	ADVANCED WEIGHT TRAINING	9-12	1	Elective	Semester		Phy Ed	General Fitness
6025	WEIGHT TRAINING: BEGINNING TO INTERMEDIATE LEVEL (Girls only Section)	9-12	1	Elective	Semester		Phy Ed	General Fitness
6401	General Fitness	9-12	1	Elective	Semester		Phy Ed	
6503	General Fitness (Girls Only Section)	9-12	1	Elective	Semester		Phy Ed	General Fitness
7600	Draw/Paint 1	9-12	1	Elect	Semester		Fine Arts	None
7601	Ceramics I	10-12	1	Elect	Semester		Fine Arts	None
7712	Mixed Media	9-12	1	Elect	Semester		Fine Arts	None
7717	Photo	9-12	1	Elect	Semester		Fine Arts	None
7718	Photo II	10-12	1	Elect	Semester		Fine Arts	Photo I
7746	MUSIC CAFÉ	10-12	1	Elect	Semester		Fine Arts	None
7748	Ceramics II-III	11-12	2	Elect	Semester (Block)		Fine Arts	Ceramics I
7753	Sculpture	9-12	1	Elect	Semester		Fine Arts	None
7758	Media Arts I	10-12	1	Elect	Semester		Fine Arts	None
7847	Ceramics Seminar	11-12	1	Elect	Semester		Fine Arts	Teacher Approval
8740	FRENCH 3	9-12	2	Elective	Semester (Block)		Elective	French 2
8741	FRENCH 4	10-12	2	Elective	Semester (Block)		Elective	French 3
8742	SPANISH 3	9-12	2	Elective	Semester (Block)		Elective	Spanish 2
8743	SPANISH 4	10-12	2	Elective	Semester (Block)		Elective	Spanish 3
9001	Textile Construction& Design I	9-12	1	Elective	Semester		Elective	
9002	Child Development II	10-12	1	Elective	Semester		Elective	Child Development
9004	Independent Living	11-12	1	Elective	Semester		Elective	
9005	Interior Design	9-12	1	Elective	Semester		Elective	
9006	Child Development	9-12	1	Elective	Semester		Elective	

Course #	Title	Grade	Semester Credit	Elect/Req	Length	AP/Articulated/Concurrent	Meets Requirement	PreReq
9007	Accounting	10-12	1	Elect	Semester	Articulated	Elective	
9008	Sports & Entertainment Marketing	11-12	1	Elect	Semester		Elective	
9011	Start your own Business	11-12	1	Elect	Semester	Articulated	Elective	
9012	Business Law	10-12	1	Elect	Semester		Elective	
9040	Food for Fitness	9-12	1	Elective	Semester		Elective	Food and Nutrition
9042	Construction Technology	9-12	1	Elective	Semester		Elective	
9048	Textile Construction& Design II	9-12	1	Elective	Semester		Elective	Textile Construction& Design I
9072	Veterinary Sciences	9-12	1	Elective	Semester		Elective	
9077	Electrical Wireing	10-12	1	Elective	Semester		Elective	
9078	Manufacturing-Metals	10-12	1	Elect	Semester		Elective	
9453	Google for Life 2	9-12	1	Elect	Semester		Elective	Google for life 1
9600	Food and Nutrition	9-12	1	Elective	Semester		Elective	
9703	College Rocks	12	1	Elect	Semester		Elective	Seniors Only
9747	Power Mechanics	10-12	1	Elective	Semester		Elective	
9750	International Foods	9-12	1	Elective	Semester		Elective	Food and Nutrition
9841	AHS Productions I	11-12	1	Elect	Semester		Fine Arts	Media Arts II or Photo 2 or Teacher approval
9844	Accounting 2	10-12	1	Elect	Semester		Elective	Accounting 1
7740/ 7741	VARSITY VIVACE CHOIR I & II	10-12	2	Elect	Year Long		Fine Arts	None
0024/ 0025	AVID 9	9	2	Elect	Year Long		Elective	Middle School/High School AVID and/or interview/application process
0080/ 0081	AVID 10	10	2	Elect	Year Long		Elective	Middle School/High School AVID and/or interview/application process
0082/ 0083	AVID 11	11	2	Elect	Year Long		Elective	Middle School/High School AVID and/or interview/application process
0084/ 0085	AVID 12	12	2	Elect	Year Long		Elective	Middle School/High School AVID and/or interview/application process
0650	Introduction to Urban Education	11-12	1	Elect	Semester	Concurrent	Elective	2.1 GPA or score of 235 on Accuplacer Test
1020/ 1021	EL 1-2 I&II	9-12	2	English	Year Long		English	Students are placed in this course by the EL teachers
1040/1041	EL 3 I& II	9-12	2	English	Year Long		English	Students are placed in this course by the EL teachers
1700/1701	English 9 I&II	9	2	Req	Year Long		English	
1702/1703	English 10 I&II	10	2	Req	Year Long		English	
1740/1741	English 11 I&II	11	2	Req	Year Long		English	
1742/1743	English 12 I&II	12	2	Req	Year Long		English	
1805/1806	AP Research I&II	12	2	Elective	Year Long	AP	English	AP Seminar I&II
1844/1845	AP English: Language & Composition I&II	11-12	2	Elective	Year Long	AP	English	
1846/1847	AP English: English Literature I&II	12	2	Elective	Year Long	AP	English	
1848/1849	AP Seminar I&II	10-11	2	Elective	Year Long	AP	English	
2702/2703	US History I & II	10	2	Req	Year Long		Social	
2704/2705	World History I & II	11	2	Req	Year Long		Social	
2712/ 2713	Ethnic Studies I & II	9-12	2	Elective	Year Long		Social	
2744/2745	AP World History I & II	11	2	Elective	Year Long	AP	Social	
2800/2801	AP US History I & II	10	2	Elective	Year Long	AP	Social	
2805/2806	AP African American Studies	9-12	2	Elective	Year Long	AP	Social	
2840/2841	AP Human Geography I & II	9	2	Elective	Year Long	AP	Social	
3014/3015	Minnesota Ecology	11-12	2	Elective	Year Long		Science	
3046/3047	AP ENVIRONMENTAL SCIENCE I & II	9-12	2	Elective	Year Long	AP	Science	
3401/ 3402	REGULAR PHYSICAL SCIENCE I & II	9	2	Elective	Year Long		Science	
3501/3502	BIOLOGY I & II	10-12	2	Req	Year Long		Science	
3540/3541	Advanced Placement Biology	10-12	2	Elective	Year Long		Science	Strong Reading skills and teacher recommendation
3701/3702	MODERN CHEMISTRY I	11-12	2	Elective	Year Long		Science	*Minimum math requirements - Completion of HS Algebra with a B or higher or currently enrolled in Algebra II*
3705/ 3706	PRINCIPLES OF CHEMISTRY I & II	11-12	2	Elective	Year Long		Science	*Minimum math requirements - successful completion of HS Algebra*
3848/3849	Physics I & II	11-12	2	Elective	Year Long		Science	*Algebra II or equivalent, or Higher, current enrollment in Pre-calculus - recommended*
4010/4011	Algebra 2 I & II	10	2	Req	Year Long		Math	High School Algebra
4012/4013	Geometry I & II	9-12	2	Req	Year Long		Math	
4014/4015	Precalculus I & II	10-12	2	Elective	Year Long		Math	Algebra 2 4010/4011
4022/4023	AP Precalculus	10-12	2	Elective	Year Long	AP	Math	Algebra 2 4034/4035
4047/4048	Algebra 2 Extended I & II	9	2	Elective	Year Long		Math	8th Grade Geometry

Course #	Title	Grade	Semester Credit	Elect/Req	Length	AP/Articulated/Concurrent	Meets Requirement	PreReq
4448/4449	High School Algebra I & II	10	2	Elective	Year Long		Math	Geometry
4450/4451	Accelerated High School Algebra/Algebra 2	10	2	Elective	Year Long		Math	Geometry
4605/4606	Statistics I & II	11-12	2	Elective	Year Long		Math	*Algebra 2*
4801/4803	AP AB Calculus I & II	11-12	2	Elective	Year Long	AP	Math	*Precalculus or Squeeze 2*
4805/4806	AP Statistics I & II	11-12	2	Elective	Year Long	AP	Math	*Algebra 2*
4840/4841	Geometry/Algebra 2 (Squeeze 1)	9	2	Elective	Year Long		Math	
4842/4843	Calculus I & II	11-12	2	Elective	Year Long		Math	*Precalculus*
4844/4845	Algebra 2/Precalculus (Squeeze 2)	10	2	Elective	Year Long		Math	Geometry/Algebra 2 (Squeeze 1)
4850/4851	Functions, Statistics, and Trigonometry	11-12	2	Elective	Year Long		Math	Algebra 2
7400/ 7401	FRESHMAN CHOIR I & II:	9	2	Elect	Year Long		Fine Arts	None
7402/7403	FRESHMAN BAND I & II	9	2	Elect	Year Long		Fine Arts	Previous instrumental music experience
7452/ 7453	FRESHMAN ORCHESTRA I & II	9	2	Elect	Year Long		Fine Arts	Previous instrumental music experience
7701/ 7702	SYMPHONIC Wind Ensemble I & II	10-12	2	Elect	Year Long		Fine Arts	Audition
7703/ 7704	SYMPHONY ORCHESTRA I & II	10-12	2	Elect	Year Long		Fine Arts	Audition
7705/7706	PHILHARMONIC ORCHESTRA I & II	10-12	2	Elect	Year Long		Fine Arts	Previous instrumental music experience
7709/ 7710	Drawing & Painting II-III	10-12	2	Elect	Year Long		Fine Arts	Draw/Paint I
7742/ 7743	VARSITY VOLO CHOIR I & II	10-12	2	Elect	Year Long		Fine Arts	None
7806/ 7807	CONCERT CHOIR I & II	11-12	2	Elect	Year Long		Fine Arts	Audition
7808/7809	CONCERT BAND I & II	10-12	2	Elect	Year Long		Fine Arts	HS Band experience
7844/ 7845	CANTORI I & II	11-12	2	Elect	Year Long		Fine Arts	Audition
7848/ 7849	AP Art	11-12	2	Elect	Year Long	AP	Fine Arts	Foundational art course/ teacher approval
8050/ 8051	ADVANCED SPANISH LANGUAGE AND CULTURE 9 I & II	9	2	Elective	Year Long		Elective	A grade of "C" or higher in the middle school Advanced Spanish 8 class, or department permission
8054/ 8055	ADVANCED SPANISH LITERATURE AND CULTURE 11 I & II	11	2	Elective	Year Long		Elective	AP Spanish Language and Culture (a minimum grade of "C" is recommended), or department permission
8056/ 8057	AP SPANISH LITERATURE AND CULTURE I & II	12	2	Elective	Year Long		Elective	Advanced Spanish Literature and Culture 11 (a minimum grade of "C" is recommended), or department permission.
8552/ 8553	AP SPANISH LANGUAGE AND CULTURE I & II:	10	2	Elective	Year Long		Elective	Advanced Spanish Language and Culture 9 or Spanish 5
8600/ 8601	FRENCH 1 I & II	9-12	2	Elective	Year Long		Elective	
8602/ 8603	FRENCH 2 I & II	9-12	2	Elective	Year Long		Elective	French 1
8608/ 8609	SPANISH 1 I & II	9-12	2	Elective	Year Long		Elective	
8610/ 8611	SPANISH 2 I & II	9-12	2	Elective	Year Long		Elective	Spanish 1
9070/ 9071	Environmental/ Bioengineering	10-12	2	Elective	Year Long		Elective	
9073/ 9074	CTE Arecospace Engineering/Physics	10-12	2	Elective	Year Long		Physics	
9075/ 9076	CTE Transportation Enginnering/ Physics	9-12	2	Elective	Year Long		Physics	
9811/ 9812	AP Computer Science	9-12	2	Elect	Year Long	AP	Elective	Computer Science Knowledge encouraged
9946/ 9947	GPS Work Based Learning OJT	11-12	2	Elect	Year Long		Elective	Business Class