APOLLO

2017-18 SCHOOL YEAR

9TH GRADE REGISTRATION
Dear Apollo High School Ninth Grade Students,

Welcome to the registration process at Apollo High School! This is your guide to use as a reference as you plan your program of study at Apollo. This guide includes a wide range of options that provides you with challenging learning opportunities.

We are excited to have you start at Apollo this fall!! We want to make sure you are informed about some of the opportunities that will help with your transition to 9th grade:

- The registration process begins now! Choose your classes with care and talk to your current counselor or contact your future Apollo counselor if you have questions.

- Parent Night! Make sure you attend so that you can get a better understanding of the types of classes that are offered at Apollo and how you can get involved in our activities. This year’s Parent Night is January 9th.

- Once again for 2017-2018 we will use online registration which you will complete at school. Please register for classes carefully as registration numbers determine our staffing. Changes will not be allowed except in very rare circumstances.

- Open House and Orientation. Make sure you take the opportunity to attend Open House to meet your teachers and take a tour of the building. Orientation occurs the first day of school. Ninth graders have the school to themselves to find classes and become orientated on how to be successful at Apollo.

- LINK CREW! This program is part of our orientation and so much more. You will be matched with Junior/Senior leaders that will take you under their wings and give you support the first day of school and throughout the year.

- GET INVOLVED! We strongly encourage all students to get involved in at least one activity or club through school. Involvement in school activities or clubs is a proven way to make the high school experience the best it can be.

We encourage you and your parents to conscientiously plan an individual program that will enable you to select from the variety of educational and career options offered to you after graduation. If you have any questions about the registration process, please contact your counselor.

Sincerely,

Adam Holm    Tina Lahr
Principal    Assistant Principal

Brenda Tiber    Toni MacLeod
Assistant Principal    Guidance
ATTENTION PARENTS AND GUARDIANS
OF STUDENTS IN THE CLASS OF 2021

Apollo High School considers the selection of courses one of the most important steps in a student’s long and short range planning process. To support this, we put a great deal of time and effort into giving students accurate information to make wise decisions. We are hopeful that parents will also be seriously involved in the registration process. Questions regarding registration should be directed to the Guidance Office at 253-1600, ext. 2014.

In order for new students to register at Apollo, they must be accompanied by a parent or guardian. If you are a new student wanting to enroll at Apollo High School, we request you have adequate records from your previous school before you will be allowed to register. In addition, those students who are minors (under 18 and not living with a legal guardian) must present a letter from a parent or guardian naming a responsible custodian and a letter from the named custodian accepting responsibility for the student.

APOLLO HIGH SCHOOL GRADUATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Class of 2021</th>
<th>CREDIT REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td>English</td>
<td>12</td>
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<tr>
<td>Social Studies</td>
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<td>9</td>
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<tr>
<td>Science</td>
<td>9</td>
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<tr>
<td>PE/Health</td>
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<tr>
<td>Arts</td>
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<tr>
<td>Electives</td>
<td>16</td>
</tr>
<tr>
<td>Minimum Total: 63 trimesters</td>
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</table>

A. CREDIT REQUIREMENT BY GRADE

NINTH GRADE
3 Trimesters of Language Arts 9
2 Trimesters of Geography
3 Trimesters of Mathematics
3 Trimesters of Science 9
3 Trimesters of Fitness
1 Trimester of Health
3 Trimesters Electives

TENTH GRADE
3 Trimesters of Language Arts 10
3 Trimesters of World History
3 Trimesters of Mathematics
3 Trimesters of Biology
1 Trimester of Fitness
6 Trimesters Electives

ELEVENTH GRADE
3 Trimesters of Language Arts
3 Trimesters of US History
3 Trimesters of Mathematics
3 Trimesters of Science (must choose Chemistry or Physics)
9 Trimesters Electives

TWELFTH GRADE
3 Trimesters of Language Arts
1 Trimester of Economics
1 Trimester of Government
1 Trimester of Social Elective
12+ Trimesters Electives

* Credits- The school year is divided into three trimesters. Students will usually earn one credit for each trimester subject.

* In addition to graduation requirements, students who are considering attending a college or university after High School will likely take additional college preparatory classes. (See Page IV)

B. STUDENTS MUST TAKE A MINNESOTA ASSESSMENT TEST IN ORDER TO RECEIVE A DIPLOMA.

DROPPING CLASSES
No trimester class can be dropped after 5 weeks into the trimester (mid-quarter). Students needing to drop/add a class must do so within the first two cycles of the trimester. In a full year course, the course cannot be dropped after the start of the third trimester.
The required subjects for each grade are typed in the spaces below. Electives should be written in the blank spaces. Discuss selections with your counselor, parent(s)/guardian(s), and teachers. **ONE YEAR OF THE ART ELECTIVE IS REQUIRED.**

### 9th Grade

<table>
<thead>
<tr>
<th>Trimester 1</th>
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<tr>
<td>Geography</td>
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<td>Math</td>
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<tr>
<td>Fitness (Any Trimester)</td>
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ART

ART STANDARD REQUIREMENT: All Art Classes Fulfill the Art Standard Requirement.

ART FUNDAMENTALS A

Elective: 9, 10, 11, 12
Length of Course: One Trimester
Prerequisite: None
Fee: $20.00 per Trimester (Pro-rated for free/reduced lunch students)

This beginning level course explores the connection of art in our lives as it relates to the global world around us. Students will begin to understand the fundamentals of creative process and discover the application, trends, and relevance of art and crafts through a range of hands-on, practical projects. Basic visual literacy and communications skills will be introduced. The students will have an opportunity to explore various media and processes through independent and group work.

ART FUNDAMENTALS B

Elective: 9, 10, 11, 12
Length of Course: One Trimester
Prerequisite: None
Fee: $20.00 per Trimester (Pro-rated for free/reduced lunch students)

This beginning level course explores the connection of art in our lives as it relates to the community around us. Students will begin to understand the fundamentals of creative process and discover the application, trends, and relevance of art and crafts through a range of hands-on, practical projects. Basic visual literacy and communications skills will be introduced. Students will have an opportunity to explore various media and processes through independent and group work.

2D ART PATHWAY

2D art courses develop the specific skills and techniques related to two dimensional media. They are designed to build artistic and creative confidence. Students who are interested in developing “flat” products and mediums are encouraged to pursue this pathway. Serious art students have the option of Studio Art (advanced) and AP Art following successful completion of levels I, II and III.

2D ART I

Elective: 9, 10, 11, 12
Length of Course: One Trimester
Prerequisite: None
Fee: $20.00 per Trimester (Pro-rated for free/reduced lunch students)

This entry level course will explore the creation of artwork using two dimensional media such as drawing, painting, collage, printmaking and mixed media. Students will practice a range of techniques and develop skills to create more realistic and engaging images. Elements of art and principles of design, art styles, and historical connections will be incorporated to increase visual literacy and understanding.

2D ART II

Elective: 9, 10, 11, 12
Length of Course: One Trimester – May be repeated for levels III, IV and V
Prerequisite: 2D Art I
Fee: $20.00 per Trimester (Pro-rated for free/reduced lunch students)

Students will further expand skills developed in 2D Art I. Additional media and technique will be introduced. Creative process, craftsmanship, visual communication and design are emphasized.
3D ART PATHWAY

3D art courses develop the specific skills and techniques related to three dimensional media designed to build artistic and creative confidence. Students who are interested in developing products with both form and function are encouraged to pursue this pathway. Serious art students have the option of Studio Art (Advanced) or AP Art following successful completion of 3D I, II and III.

3D ART I

Elective: 9, 10, 11, 12
Length of Course: One Trimester
Prerequisite: None
Fee: $20.00 per Trimester (Pro-rated for free/reduced lunch students)

This entry level course is a hands on class that will explore the creation of three dimensional artworks. Students will work with clay utilizing a variety of hand building techniques that are both functional and sculptural. Additional materials explored may include wood, plaster gauze, wire, recycled materials and found objects. Elements of art and principles of design, art styles, and historical connections will be incorporated to increase visual literacy and understanding.

3D ART II

Elective: 9, 10, 11, 12
Length of Course: One Trimester – may be repeated for level III, IV and V
Prerequisite: 3D Art I
Fee: $20.00 per Trimester (Pro-rated for free/reduced lunch students)

Students will further expand on skills developed in 3D Art I. Students will be introduced to wheel throwing techniques used to make functional bowls, mugs, vases and plates. Various surface design techniques will be explored. Creative process, continued use of a range of 3D media, and experimentation are emphasized.

BUSINESS/COMPUTER EDUCATION

HIGH SCHOOL ARTICULATED CREDIT OPTION “T”: If a student meets the High School Articulated Credit requirements in the designated course, she/he can receive credits at a Technical College. Instructors of “T” courses will explain individual requirements.

DIGITAL LITERACY/COMPUTER APPLICATIONS

Elective: 9, 10, 11, 12
Length of Course: One Trimester
Prerequisite: Keyboarding I

Meets the Art Standard Credit

This course reflects the 21st Century marketplace expectations. Area colleges and employers have emphasized the need for students to be technologically literate. Students will gain hands on experience with the word processing, spreadsheet and presentation applications found in Microsoft Office suite, since these are the applications most widely used in the business world. Emphasis will be placed on the moral and social implications of computer technology; additional web 2.0 applications used in today’s society; the human factors involved in the use of computer; and the historical development of computers. This course will prepare students for College, Career & Community.

This class replaces the Microsoft Software Class in previous years, however, you may receive credit for both classes.

KEYBOARDING I “T”
Keyboarding is a skill that almost everyone will use—in school, on the job, and at home. During this class you will learn the correct technique for the computer keyboard and develop speed and accuracy. If you already know the correct technique for touch typing and can key at least 35 words per minute, see your counselor about testing out of this course and enrolling in Keyboarding II or other computer classes. Students will take this class for a Satisfactory/Unsatisfactory grade only.

**KEYBOARDING II: COMPUTERS FOR COLLEGE “T”**

Students will develop the skills that are used daily in business and college by using word processing applications. Databases, spreadsheets and graphics/desktop publishing will be introduced. Students will learn the basic formatting of personal and business documents using word processing, spreadsheets, and other business application tools. Students will continue the development of keyboarding speed, accuracy, and proofreading skills. We will also test gaming software to use in a class next year.

**GENERAL BUSINESS – “T”**

This course is designed to introduce students to the exciting world of business. Areas of interest will include types of businesses, how businesses make money, how businesses interact with their community and other businesses, and what it takes to be a successful businessperson. Upon completion of this course you will be issued a Tech Prep certificate if you meet Tech Prep requirements. This will allow you to by-pass certain classes at St. Cloud Technical and Community College. You will also help run a business where we will create, market and sell our own product.

**COMPUTER SCIENCES**

**CODING I**

Computer programmers are among the highest paid, most demanded professionals today. Coding is the art and science of writing computer programs, apps, and web pages. In this course, you will learn basic coding concepts and create your own code using current programming languages. No previous experience is required. If you have programming experience, then this course will take your knowledge even further. Are you creative? Do you like problem solving challenges? Take Coding I. You may follow with Coding II.

**CODING II**

Take your knowledge from Coding I further by creating your own applications. Intermediate concepts in programming will be covered, including functional programming, object-oriented programming, and scope.
ENGLISH LANGUAGE LEARNERS

English Language Learning courses offer Language Arts credits to students whose home language is not English. Apollo offers EL classes at several different levels ranging from English Academy to Advanced. The English Academy and Beginning classes are for students who are new learners of English. The Advanced classes focus on language refinement and development of reading and writing skills. As English skills develop, students will be placed progressively in more non-EL classes. The EL teachers will determine placement.

HEALTH

HEALTH EDUCATION I

<table>
<thead>
<tr>
<th>Required:</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimester Offered:</td>
<td>All</td>
</tr>
<tr>
<td>Length of Course:</td>
<td>One Trimester</td>
</tr>
</tbody>
</table>

This course will allow students to build life-long skills that include decision making, dealing with peer pressure, and developing refusing skills as the core for all of the health units covered. Health I covers four units which are life choices/mental health, alcohol, tobacco and other drugs, sexuality and relationships and nutrition. Students will meet SHAPE National Health Standards.

LANGUAGE ARTS

LANGUAGE ARTS – 9

<table>
<thead>
<tr>
<th>Trimester Offered:</th>
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<tbody>
<tr>
<td>Length of Course:</td>
<td>All year</td>
</tr>
<tr>
<td>Levels:</td>
<td>Unleveled</td>
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This year long course covers the Minnesota Academic Core Standards for grade 9. The course focuses on the following: reading independently, using the writing process, developing the essay, reviewing study skill strategies, reinforcing six trait writing skills, improving interpretive reading skills in fiction (including drama) and non-fiction, using research and technology, and developing oral communication skills.

LA 9 Honors: Pre-AP LA 9 is a recommended preparatory course for the future AP courses in Language Arts. Skills covered are the same as LA 9, but at a higher level of mastery. Registration for this course must be approved by the Course Instructor.

The Apollo Language Arts Department abides by the Alternative Selection Policy of the district, which states that students or parents who object to the content of materials used in a particular class may request alternatives that will accomplish the same educational objectives. This includes reading materials as well as videos or other instructional materials. Please contact the instructor for the current list of materials used in the course. Current reading lists are available for inspection by students and/or parents upon request.
MATHEMATICS

For sequence of particular courses, refer to the flow chart at the end of the math section.

Calculators may be used in most of our Math classes. A scientific calculator (with fraction capabilities) is adequate through Geometry. Students who plan on taking Algebra II, College Prep, Pre-Calculus, Calculus, or Statistics will extensively use a graphing calculator. (These will also be used in Chemistry and Physics). Instruction on the graphing calculator will be done using the Texas Instruments graphing calculators. You may want to discuss calculator selections with a teacher.

MATH III

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Not NCAA Approved

Students will develop working number sense, and will be introduced to fractions and decimals. Students will be introduced to problem solving applications.

MATH IV

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Not NCAA Approved

Students will continue to develop rational number sense. Students will be introduced to integers and variables. Students will develop problem solving skills with geometry concepts and be introduced to the coordinate plane.

PRE-ALGEBRA

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Not NCAA Approved

Students will develop simplifying arithmetic and algebraic expressions. They will evaluate algebraic expressions and solve equations. Basic geometric concepts will be further developed. Students will be introduced to translating word phrases and sentences into algebraic phrases and equations.

ALGEBRA I.1

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Not NCAA Approved

Linear Algebra: This course will focus on absolute value, functions, linear algebra, simplifying algebraic expressions, solving and graphing linear equations, and inequalities.

ALGEBRA I.2

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Prerequisite: Algebra I.1
Not NCAA Approved

Linear and Quadratic Algebra: This course will continue to develop the algebraic concepts introduced in Algebra I.1. The rest of the course will introduce factoring, solving systems of linear equations, polynomials, quadratics, radical and rational equations, probability and statistics.
GEOMETRY

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Prerequisite: Algebra I.2

This course will introduce and develop basic terms and symbols of Geometry; area, perimeter and volume; symmetry and transformation; congruence and similarity; angle and line relationships; logical reasoning in proofs.

ADVANCED GEOMETRY

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Prerequisite: Algebra I.2 and Teacher recommendation

This course will introduce and develop basic geometric terms, symbols, area, perimeter, surface area, volume, logical reasoning, proofs, classifying figures; coordinate geometry, reflections, rotations, translations, symmetry, and use math applications with space, shape and measurements.

ALGEBRA II

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Prerequisite: Algebra I.2 (Geometry is recommended)

This course is highly recommended for those students going on to college or technical school. Students will develop their skills of solving equations, simplifying expressions, probability and statistics. Students will be introduced to trigonometry, polynomials, complex numbers and logarithms.

ADVANCED ALGEBRA II

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Prerequisite: Algebra I.2 (A- or higher) and Geometry (B+ or higher) or teacher recommendation

This course is highly recommended for those students going on to college or technical school. Students will develop their skills of solving equations, simplifying expressions, probability and statistics. Students will be introduced to matrices, trigonometry, polynomials, complex numbers, conic sections and logarithms.

Apollo Math Flow Chart

- Math 3 → Math 4 → Pre-Algebra → Algebra 1.1 → Algebra 1.2
- Math 4 → Pre-Algebra → Algebra 1.1 → Algebra 1.2 → Geometry → Algebra 2
- Pre-Algebra → Algebra 1.1 → Algebra 1.2 → Geometry
- Algebra 1.2 → Geometry → Algebra 2 → College Prep → Pre-Calculus
- Geometry → Algebra II Advanced → Pre-Calculus → AP Calculus AB
- Algebra II Advanced → AP Statistics → AP Statistics
- Geometry Advanced → Pre-Calculus → AP Calculus AB
- Vocational Math
MUSIC

CONCERT BAND

Elective: 9, 10, 11 (1.5 Credits)
Trimester Offered: All Year (every other day opposite PE)
Prerequisite: Instructor Approval

The Concert Band is a year-long class for students who play brass, woodwind and percussion instruments. This class meets every other day opposite PE or advisory. The class includes all 9th grade students with limited schedule time available and/or students who are still developing skills on their instrument. The focus of the course is development of individual technical skills and ensemble work to prepare students for membership in the Apollo Symphonic Band. Members are expected to attend regular lessons and take performance tests throughout the year. Music chosen for Concert Band will include traditional, popular and contemporary styles. Required performances include 4 evening concerts and 3 pep band events during the school year. The band also takes part in the MSHSL Region 8AA Music Festival. Members are encouraged to study privately on their instrument and participate in Solo/Ensemble Contest, Honor Band and audition for All-State Band.

JAZZ ENSEMBLE

Elective: 9, 10, 11, 12
Trimester Offered: All Year
Prerequisite: Instructor Approval; membership in another music is required.

The Jazz Ensemble is a selected group and will be open to the members of the Band Program. Instrumentation includes: alto, tenor and baritone saxophones; trumpets; trombones; bass guitar; guitar; piano; auxiliary percussion; and drum set. This group performs in three concerts during the school year and at MSHSL Solo/Ensemble Contest. The Jazz Ensemble rehearses one day each week in the mornings from 7:15 - 8:10.

PEP BAND

The Pep Band provides musical energy at select athletic events throughout the school year and may include football, volleyball, basketball and hockey games. All band students are required to participate in a minimum number of Pep Band events, and students will earn points towards a letter in band for each performance.

FRESHMAN CHOIR

Elective: 9 (1.5 Credits)
Trimester Offered: All Year
Prerequisite: Instructor’s Approval

Membership in Freshman Choir is open to any student in grade nine. There will be four public performances throughout the year. Students are expected to participate in small group vocal instruction as well as the main ensemble. Proper vocal techniques, music sight reading skills, and basic musical knowledge will be taught in this class through the study of high quality choral literature. Performances, practices, and other events outside of regular school hours are required as part of the grading procedure.

ORCHESTRA – SINFonia

Elective: 9, 10, 11, 12 (1.5 Credits)
Trimester Offered: All Year
Prerequisite: Instructor Permission

The Sinfonia Orchestra is an intermediate ensemble, which focuses on developing technique and musicianship specific to the needs of a string player. Students rehearse as an orchestra three days per cycle and meet for small group or individual lessons every other cycle. The Sinfonia performs music of various styles and cultures. A public performance is given each trimester, and students also have the opportunity to participate in regional string Contest, large group contest, and a performance tour in the spring.
PHYSICAL EDUCATION

PHYSICAL EDUCATION FOR LIFE  9  
4400-4401-4402

Requirement:  
9

Length of Course:  
All Year

Students will meet national and state physical education standards and benchmarks. They will apply skill in team, dual, and individual activities as well as aquatics and rhythms. An emphasis will be placed on personal fitness. Students will assess current levels of fitness, create a personal fitness plan and set personal goals.

PROJECT LEAD THE WAY

Project Lead the Way (PLTW) is the leading provider of rigorous and innovative Science, Technology, Engineering, and Mathematics (STEM) education curricular programs used in middle and high schools across the U.S. PLTW courses engage students in activities, projects, and problem-based (APPB) learning, which provides hands on classroom experiences. Students create, design, build, discover, collaborate and solve problems while applying what they learn to math and science.

PRINCIPLES OF THE BIOMEDICAL SCIENCES (PBS)  
4890-4891-4892

Elective:  
9, 10, 11, 12

Offered:  
All Year

In the introductory course of the PLTW Biomedical Science Program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. This class can be taken in place of the Biology Class.

SCIENCE

The study of life has always fascinated humankind and in this modern technological world, this fascination increases. The science electives offer you opportunities to study various kinds of life--of the earth, stars, plants, and animals. Whether you want to fulfill your three credit science requirements, satisfy your curiosity, or prepare for a science related career, there is a class available to meet your needs.

SCIENCE 9  
5214

Requirement:  
9

Length of Course:  
All Year
Science 9 will focus on physical science and earth science concepts while incorporating real world connections. Each area is covered using a hands-on approach with supplemental textbook assignments and research projects.

**ADVANCED SCIENCE 9**

Elective: 9 *(By application only)*  
Length of Course: All Year

This course will cover all of the topics in the Regular Science 9 course but will incorporate a more in depth investigation of the topics that requires a strong math background. This course is desired to give students a stronger background for future chemistry and physics courses.

**SOCIAL STUDIES**

**HUMAN GEOGRAPHY**

Required: 9  
Length of Course: 2 Trimesters

Human Geography is a required course for all freshmen. It is designed to develop the student’s understanding of the world community. Some topics of study include population, culture, political systems, agriculture, urbanization, economics, and the environment.

**AP HUMAN GEOGRAPHY**

Elective: 9, 10, 11, 12  
Length of Course: All Year  
Prerequisite: You must be in the top one third of your class or have the instructor’s permission

Advanced Placement (AP) Human Geography is a challenging course that is meant to be the equivalent of an introductory college course. Solid reading and writing skills are necessary to handle the rigors of the course. Some topics of study include population and migration, agriculture, popular and folk culture, political systems, and urbanization.

**SPECIAL EDUCATION**

An Individual Education Planning (IEP) meeting involving parent(s)/guardian(s), the student and relevant school staff is conducted annually for all students with disabilities. The IEP team determines the courses, transition needs and graduation requirements for each student with disabilities.

Most students with disabilities will participate in general education classes and progress toward the standard requirements for graduation. Most students will also participate in district and statewide assessments and will be offered appropriate testing accommodations.

Students with more significant developmental, academic or behavioral needs may participate with modified or alternative curriculum and graduation requirements defined by their EIP team. Some students will work toward individual standards. Other students who are exempt from district and/or statewide assessments will participate in alternate assessment. The type and amount of special education support a student receives is determined by the student’s IEP.
TECHNOLOGY EDUCATION

INTRODUCTION TO METALS 8150
Elective: 9, 10, 11, 12
Trimester Offered: All
Length of Course: One Trimester
Prerequisite: None

This course is an introduction to all things metal fabrication. Students will be introduced to welding, forming, heat treatment, and machining practices. Material identification and selection will also be covered as students build a variety of metal projects to be brought home. This is a great class if students are interested in engineering, design/fabrication, metallurgical engineering, metal art sculpture, or just want to sample the incredible world and career opportunities found in metals!

ADVANCED METALS 8151
Elective: 9, 10, 11, 12
Trimester Offered: All
Length of Course: One Trimester
Prerequisite: Metals I

This course is a continuation of Metals I. Students will have expanded instruction in the area of metal fabrication and design, machining process, and an introduction to CNC technology within manufacturing.

INTRODUCTION TO PHOTOGRAPHY 8160
Elective: 9, 10, 11, 12
Trimester Offered: All
Length of Course: One Trimester
Prerequisite: None

Students are required to provide their own SD memory card for this course. Meets Art Standard/Credit

In this course, students learn about the art and craft of great photography. Students will hone their professional eye to capture the greatest moments in nearly every situation and setting imaginable using smart phones, DSLR cameras, and Adobe Photoshop software. Taking students both inside the photographer’s studio and out into the field, this course is a chance to learn, in a way anyone can grasp the basic insights and hidden secrets of photography.

INTRODUCTION TO VIDEO 8190
Elective: 9, 10, 11, 12
Trimester Offered: All
Length of Course: One Trimester
Prerequisite: None

Students are required to provide their own SD memory card for this course. Meets Art Standard/Credit

In this course, students will produce digital videos. Students will learn the concepts of storyboarding, journalistic writing, cinematography, camera work, graphics, and editing while using smart phones, HD video cameras, GoPro Cameras and Adobe Premiere Elements software. This course is a chance to learn, in a way anyone can grasp, the basic insights and hidden secrets of videography.
### WOODS: INTRODUCTION
8201

**Elective:** 9, 10, 11, 12  
**Trimester Offered:** All  
**Length of Course:** One Trimester  
**Prerequisite:** None

This course is an introduction to woodworking. You will begin with a starter project to build your skills, but will have the luxury of creative input to the finished product. Basic competencies in technical sketching and safety will be taught, as well as species identification, joinery, machining, and finishing. This is a great class for anyone with or without any prior experience.

### WOODS: PROJECT DESIGN
8202

**Elective:** 9, 10, 11, 12  
**Trimester Offered:** All  
**Length of Course:** One Trimester  
**Prerequisite:** Woods: Introduction

This course is built to explore design through the medium of woodworking. You will explore your creativity by designing and fabricating a project. Basic competencies in technical sketching and safety will be taught, as well as species identification, joinery, machining, and finishing. Advanced woodworking processes will also be taught.

### WOODS: CONSTRUCTION
8206

**Elective:** 9, 10, 11, 12  
**Trimester Offered:** 1st & 3rd  
**Length of Course:** 1 Trimester – 2 Class Periods  
**Prerequisite:** Woods: Introduction

This course will enable the student to learn about materials and methods for framing floors, walls and rafters for residential and light commercial construction. The course will cover terms, techniques and layouts used. Estimating and materials used will also be emphasized. Installation of doors and windows, roofing and siding

### ENGINEERING DESIGN ("IED")
4880-4881-4882

**Elective:** 9, 10, 11, 12  
**Length of Course:** One Year  
**Prerequisite:** None

College/University Credit Available (3 transcript credits)  
Meets Art Standard/Credit

If you are considering a career in engineering, design, architecture, or any other related field, this course is a must. “IED” utilizes modeling design software and 3D printing technology to teach the design process used in industry ranging from medical device manufacturers to aerospace. This class will give you an English Academy on your STEM career, and will also enhance your ability to be accepted to a wider variety of engineering programs. All engineers must have a base level understanding of design. You will also have opportunities to go on engineering field trips to local companies and design firms.

### INTRODUCTION TO ROBOTICS:
8208

**Elective:** 9, 10, 11, 12  
**Trimester Offered:** All  
**Length of Course:** One Trimester  
**Prerequisite:** None
This course will introduce students to the world of robotics. Students will explore technologies related to robotic structure, power, mobility, communication, computer, sensory, and tooling systems. Students will explore the key aspects of robot technology through hands-on projects.

WORLD LANGUAGE

You are eligible to enroll in any of the languages offered by the World Language Department. The languages currently being offered are American Sign Language, French, German, Mandarin Chinese and Spanish. College entrance requirements vary from one college to another, with 2 years being the most typical. Continuing to study a world language through third or fourth year (or higher) can increase your likelihood of being able to test out of college classes or test into higher level ones and receive retro college credits. This helps save tuition costs, like AP and post-secondary courses do.

AMERICAN SIGN LANGUAGE I 8510-8511-8512

Elective: 9, 10, 11, and 12
Length of Course: All Year

American Sign Language is a visual, gesture language used by members of the Deaf Community in the United States. ASL I incorporates study of facial expressions and body language. In ASL I you will learn the basic skills necessary to communicate and interact within the Deaf Community. The material presented includes beginning ASL linguistics, Deaf Culture and exposure to Deaf Community members. Active participation is required.

FRENCH I 8620-8621-8622

Elective: 9, 10, 11, and 12
Length of Course: All Year
Prerequisite: None

Thinking about taking French class? French is the official language of over 40 countries and territories and is found on every continent. In French I we will begin speaking, writing, listening, and reading in French in the present tense. There is an emphasis on vocabulary and basic conversational expressions, enhanced through the use of stories, videos, skits, songs, games, jokes, and cultural expressions. Attention! If you want to graduate from Apollo High School with world language skills high enough to give you access to university entrance requirements, you are encouraged to enroll your freshman or sophomore year. Students will have the opportunity to take a field trip to a French immersion camp.

FRENCH II 8625-8626-8627

Elective: 9, 10, 11, and 12
Length of Course: All Year
Prerequisite: Minimum grade of “C” in French I

In French II, we will expand on the conversational skills developed in French I and will be introduced to the past and future tenses. Students will do a variety of activities including projects, acting, fashion, art, food, and group activities as we continue to study the French language, cultures, and slang from every continent. Students will have the opportunity to travel to France and take a field trip to a French immersion camp.
**GERMAN I**

8601-8602-8603

Elective: 9, 10, 11, and 12  
Length of Course: All Year

Achtung! If you want to graduate from Apollo High School with world language skills high enough to give you access to university entrance requirements, consider enrolling in German, the native language of the third largest economy in the world. The skills of understanding, speaking, reading and writing German are yours if you are willing to work for them. Vocabulary and conversational expressions are enhanced by the use of stories, skits, videos, games, etc. Students may have the opportunity to host a visitor and spend three weeks in Menden, Germany as a participant in the GAPP exchange program.

**GERMAN II**

8604-8605-8606

Elective: 9, 10, 11, and 12  
Length of Course: All Year  
Prerequisite: Minimum grade of “C” in German I

Continue the work you began in German I to gain proficiency in listening, speaking, reading, and writing in German. You will learn more basic vocabulary and grammar and apply your language skills to real-life situations. Cultural information will help you understand and appreciate German speaking people and countries. Students may have the opportunity to host a visitor and spend three weeks in Menden, Germany as a participant in the GAPP exchange program.

**MANDARIN CHINESE I**

8504-8505-8506

Elective: 9, 10, 11, 12  
Length of Course: All Year

Offering Mandarin Chinese as a World Language will prepare students for a global economy, build 21st Century skills, increase global and cultural awareness, and bridge immersion and non-immersion students and build on community partnerships. We will be partnering with St. Cloud State University and the Confucius Institute.

**MANDARIN CHINESE II**

8507-8508-8509

Elective: 9, 10, 11, 12  
Length of Course: All Year  
Prerequisite: Minimum of “C” or above in Mandarin Chinese I

In Mandarin Chinese II, students will expand on their knowledge gained in Mandarin Chinese I and will continue to learn about Chinese language and culture. Students will improve their proficiency in listening, speaking, reading and writing Chinese. Vocabulary and conversational Chinese will be learned by using stories, videos, games and practice!

**AP CHINESE LANGUAGE AND CULTURE**

8497-8498-8499

Elective: 9, 10, 11, 12  
Length of Course: All Year  
Prerequisite: Completion of 9th grade Chinese Immersion OR high proficiency results on 8th grade STAMP

The AP Chinese Language and Culture course prepares students to demonstrate their level of Chinese proficiency across the three communicative modes (interpersonal, Interpretive, and Presentational) and the five goal areas: communication, cultures, connections, comparisons and communities. Students will have ongoing and varied opportunities to further develop their language proficiency as well as develop their global competency. Teachers plan and implement activities that focus on language proficiency while interweaving cultural content. Frequent formative assessment is used to drive instruction.
SPANISH I 8640-8641-8642

Elective: 9, 10, 11, and 12
Length of Course: All Year

Learn the language that has become one of the most widely spoken languages in the world. 21 countries have Spanish as their official language. Spanish I is an introduction to the Spanish language with emphasis on the development of the basic communicative skills (speaking, listening, reading, writing) and grammatical structures. Students are also introduced to various aspects of Hispanic culture in Latin American countries. In addition, students will learn Spanish through TPR Storytelling, a mixture of reading and storytelling.

SPANISH II 8645-8646-8647

Elective: 9, 10, 11, and 12
Length of Course: All Year
Prerequisite: Minimum grade of “C” in Spanish I

In Spanish II, students will continue on the journey towards proficiency in Spanish. Review and expand upon your Spanish I knowledge through listening, speaking, reading and writing in Spanish. In addition, students will begin to develop cultural awareness of various Spanish-speaking countries. Students will learn to communicate experiences in the past, present and future on a variety of topics. Students will have the opportunity to communicate in real and practical situations. Upon completing the second level, students will have a good foundation for future language study. Students completing Spanish II have the opportunity to travel to a Spanish-speaking country.

SPANISH FOR NATIVE SPEAKERS 8663-8664-8665

Elective: 9, 10, 11, and 12
Length of Course: All Year
Prerequisite: Students are identified as heritage or native Spanish speakers through Skyward System as well as by instructor or counselor recommendation.

The purpose of this year long world languages course is to enrich and expand native Spanish-speaking students’ abilities in speaking, reading, writing, listening and cultural understanding in Spanish. This course offers Spanish-speaking students an opportunity to study Spanish formally in an academic setting in the same way that native English-speaking students study English language arts. Students develop strategic Spanish academic vocabulary, learning to critically analyze a text, write poetry and discourse, and acquire new information in different academic content areas. For native speakers to maintain the language, a formal study of Spanish needs to occur with instructional goals focusing on grammar, reading and writing, vocabulary development, exposure to the language and culture and its communities, and consciousness-raising activities about Spanish language and identity.