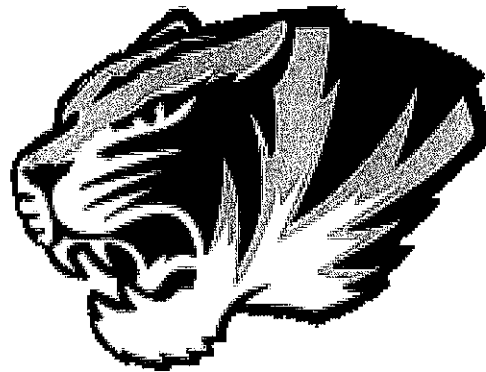


# Howards Grove High School

**2025-2026**

## **Course Description & Registration Guide**



*Howards Grove High School*  
401 Audubon Road  
Howards Grove, WI 53083  
920-565-4450  
920-565-4451 (fax)  
[www.hgtigers.org](http://www.hgtigers.org)

*Mr. Jon Hess*  
Principal  
jhess@hgtigers.com

*Mrs. Krista Neave*  
School Counselor  
kneave@hgtigers.com

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## SCHOOL LEGAL NOTICE

**NOTICE IS HEREBY GIVEN:** That, pursuant to the Family Educational and Privacy Act and State Statute 118.125(b) and 2(J), the School District of Howards Grove has designated the following as Directory information as provided in said Act and Statute: the student's name, address and telephone number, date and place of birth, participation in officially recognized activities and sports, height and weight if a member of an athletic team, dates of attendance, photograph, degrees and awards, and the names of the school most recently attended.

Any parent, legal guardian or guardian ad-litem, within two weeks of the publication of this notice, may refuse to permit the designation of any of all of the above information as directory data. Such refusals must be directed to the building principal in the form of a written notice. In that case, the information will not be disclosed without the prior consent of the parent, legal guardian or guardian ad-litem, except as otherwise provided by law. Such refusal will remain in effect until it is modified by the written direction of the student's parent, guardian or guardian ad-litem.

## CLASS 1 LEGAL NOTICE

The Howards Grove School District is committed to providing an equal educational opportunity for all students in the district.

It is the policy of the Howards Grove School District, pursuant to s.118.13, Wis. Stats., and PI9, that no person may be denied admission to any public school in this district to be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil service, recreational, or other program or activity because of the person's sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability.

This policy also prohibits discrimination as defined by Title VI of the Civil Rights Act of 1964 (race, color and national origin), Title IX of the Education Amendments of 1972 (sex), Section 504 of the Rehabilitation Act of 1973 (disability), and by the Age Discrimination Act of 1975 (age).

Students who have been identified as having a handicap or disability under Section 504 of the Rehabilitation Act or the Americans with Disabilities Act, shall be provided with reasonable accommodations in educational services or programs. Students may be considered handicapped or disabled under this policy even if they are not covered under the district's special education policies and procedures.

The District shall provide for the reasonable accommodation of a student's sincerely held religious beliefs with regard to examinations and other academic requirements. Requests for accommodations shall be made in writing and approved by the building principal. Accommodations may include, but are not limited to; release from participation in an activity, alternative assignments, released time from school to participate in religious activities and opportunities to make up work missed due to religious observances. Any accommodation granted under this policy shall be provided to students without prejudicial effect.

Questions and complaints pertaining to this policy should be directed to:

Ms. Shannon Kilton  
Superintendent  
403 Audubon Rd  
Howards Grove WI 53083  
920-565-4454

Ms. Angie Houston  
Middle School Principal  
506 Kennedy Ave  
Howards Grove WI 53083  
920-565-4452

Mr. Jon Hess  
High School Principal  
401 Audubon Rd  
Howards Grove WI 53083  
920-565-4450

Mrs. Sarah Ellinger  
Northview Elementary Principal  
902 Tyler Road  
Howards Grove, WI 53083  
(920) 565-4457

## **STUDENT GRADUATION REQUIREMENTS**

28 credits are required for graduation.

<b>COURSE</b>	<b>CREDITS</b>	<b>REQUIREMENTS</b>
<b>English</b>	4.0 credits	1.0 credit per year, English 9, English 10, English 11
<b>Social Science</b>	3.0 credits	Including 1.0 credit of U.S. History and 0.5 credit American Government
<b>Science</b>	3.0 credits	Including 1.0 credit of Biology
<b>Mathematics</b>	3.0 credits	
<b>Computer/Business Education</b>	0.5 credit	Personal Finance required
<b>Physical Education/Health</b>	2.5 credits	Including 1.5 credits of Physical Education (0.5 grade 9, 0.5 grade 10) and 1.0 credits of Health (0.5 grade 9, 0.5 grade 10)
<b>Fine Arts/Humanities</b>	1.0 credit	May be fulfilled by any course completed in Art, Music, or Foreign Language
<b>Career &amp; Technical Education (Vocational)</b>	1.0 credit	May be fulfilled by any course completed in Business Education, Family & Consumer Education, Technology Education or Agriscience
<b>Personal Leadership</b>	0.5 credit	
<b>Electives</b>	9.5 credits	

Graduation requirements are normally met in four full years of attendance in high school, grades 9-12. *Students must be enrolled in and complete 4 classes each term* throughout their high school years, unless involved in a special board approved program.

Every effort will be made to provide each student with the most appropriate program. Each student, with the assistance of the school counselor, will receive assistance in planning a complete four-year course of study based upon a tentative career objective. The development of this four-year plan will be an on-going effort.

Earning the required credits does not guarantee a diploma. A good record of citizenship and attendance is necessary, as is the certification and recommendation of the administration.

**Promotion Criteria - Grades 9-12** - Any student whose credit status is deficient by 3.75 or more credits after completing the school year, shall be retained in that grade level for the following year.

**Attendance Certificate** - The Attendance Certificate is given to those students who do not meet the requirements of the diploma described above. Students must have been in attendance at the high school level for four years with a good citizenship record.

**Early Graduation** - In exceptional cases, a student can arrange to graduate mid-way through his/her senior year. Interested students should carefully read the following procedures:

1. A student must apply for January graduation during the fourth term of his/her junior year and all applications must be received no later than June 1 of the end of their junior year.
2. The student must complete a standard request form for early graduation and return it along with two (2) letters, one written by the student and one written by his/her parents. Both must state: (1) The reason(s) for the request, (2) why they feel greater benefit would be derived from leaving school early, and (3) the anticipated activity during the spring terms when the student is not in attendance. The student must also provide evidence of admission to some post-high school training institution (or program) or a letter from an employer stating the student has been hired for a position following his/her January graduation.
3. The request form, the letters, and the evidence of admission or employment will be reviewed by the high school principal and the guidance counselor.
4. A conference will be held with the parents, student, principal, and guidance counselor to discuss the request.
5. All documentation is presented to the Board of Education along with a recommendation from the high school principal, for their approval or disapproval. Any denial of the request must be stated in writing and a copy provided to the student and/or his/her parents. The parents and the student may be present when the Board of Education rules on the request.
6. It is understood that any approval of January graduation is contingent upon the student completing the 3 1/2 year enrollment requirement and maintaining a C (2.0) average on all course work taken. All graduation credit requirements must be met.
7. No formal diploma will be issued or commencement exercises held in January. January graduates will be permitted to return for regular May/June commencement activities if they so desire. Their school records will indicate completion of all graduation requirements for the purpose of employment or post high school training.
8. Those individuals who graduate in January will not be permitted to take part in any organized school activity (such as athletics, clubs, school dances, field trips, etc.) with the exception of May/June commencement activities. They will, however, be permitted to attend school functions open to the public, like any other member of the adult community.

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**Grading**

- Due to the A/B schedule, students will receive a progress grade at end of term 1 and 3.
- Students will receive a final grade and credit at the completion of each semester.
- Exceptions may occur for students enrolled in youth apprenticeships, youth options, online courses, and other resource courses.

**Grading Scale**

<i>Grading Scale--Howards Grove High School</i>	
<b>Grade</b>	<b>Percentage</b>
<b>A</b>	<b>93 – 100</b>
<b>A-</b>	<b>90-92.99</b>
<b>B+</b>	<b>87-89.99</b>
<b>B</b>	<b>83-86.99</b>
<b>B-</b>	<b>80-82.99</b>
<b>C+</b>	<b>77-79.99</b>
<b>C</b>	<b>73-76.99</b>
<b>C-</b>	<b>70-72.99</b>
<b>D+</b>	<b>67-69.99</b>
<b>D</b>	<b>63-66.99</b>
<b>D-</b>	<b>60-62.99</b>
<b>F</b>	<b>0-59.99</b>

**Dropped Course Procedures**

A student may drop or enroll in another course in the time sequence established by the school at the beginning of each semester.

Schedule changes should be unnecessary and every effort will be made to keep changes to a minimum. A request for a schedule change will require a written explanation for the change and parental approval. Changes will be allowed only for the following reasons:

1. To allow for the scheduling of a required course.
2. To resolve a conflict.
3. To make up for a course failure.
4. To allow for the scheduling of a work-training program.
5. To allow for the scheduling of an upper level course.
6. To provide for a program modification based upon special circumstances (requires principal's approval).

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**Course Repetition**

Students failing required courses normally will repeat the course as soon as possible in the following semester. The counselor will confer with teachers, parents, and the student to determine whether an elective course should be repeated or an alternate chosen.

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**CAPP Courses (Cooperative Academic Partnership Program)**

Several CAPP courses are offered to our students allowing them to receive both high school credit and college credit. These courses are taught through a college from which the course instructor is certified to teach and may vary based on the course. CAPP courses award students full-fledged college credit on an official college transcript based on their final grade. Howards Grove High School currently offers the following CAPP courses: Pre-Calculus (Lakeland), Calculus (Lakeland), Physics I (UW Oshkosh & Lakeland), Physics II (UW Oshkosh & Lakeland), Spanish V (UW Oshkosh & Lakeland), Understanding the Arts (UW Oshkosh), and College Chemistry I (through the CCIHS Program through UW Green Bay).

**AP Courses (Advanced Placement)**

Several Advanced Placement courses are offered to our students. AP (Advanced Placement) courses are advanced high school courses after which students take an exam to potentially earn college credit at a student's chosen college. Howards Grove High School currently offers the following AP courses: AP Statistics, AP Biology, AP English Literature and Composition, AP English Language, AP Psychology and AP Drawing.

### **Early College/Start College Now**

Junior and senior students may still have an opportunity to enroll at a post-secondary school such as LTC, UW Sheboygan or Lakeland College and take courses that lead to credit granted toward high school graduation, but only if the district does not offer the class through face-to-face or online instruction.

- Students must be in good standing to be considered for this opportunity.
- Pre-requisite courses held at the high school must be taken prior to approval.
- If a book(s) is required for the course, the student is responsible for checking with the high school guidance office to see if we have the book prior to purchasing. The district will not reimburse for books we already own.
- **All** classes taken are for credit and applied to grade point average and their official transcript.
- Students will receive ¼ high school credit for each credit successfully completed.
- Students are able to earn a maximum of 18 credits at a college or technical school. Additional credits, beyond 18, can be taken for high school credit, but tuition and book costs are the responsibility of the student.
- Students who fail classes at a 4-year, 2-year or technical college are required to reimburse the school district for tuition, fees and books.
- Students must earn a "B" or better to continue in this program.

*If you are interested in being considered for the Early College Program, please contact the School Counselor for additional information.*

### **Transcripted Credit (TC) Courses**

Transcripted credit is a Lakeshore College course that is taught by a high school instructor who has met the requirements of the institution and where a 'Transcripted Credit Articulation Agreement' exists for the course between the high school and the technical college. Students are awarded technical college credit through Lakeshore College if they earn a letter grade of A, B, or C on Lakeshore College's grading scale. Students will have a Lakeshore College transcript upon completion of the course. HGHS transcripted credit classes are noted in the course guide.

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### **Online Courses**

Juniors and seniors, in good standing and with approval from the guidance department, may seek enrollment in on-line classes through an agreement with CESA 7. Online courses are challenging and do require good time management skills to be successful. Courses are for credit, are included in their grade point average, and are recorded on an official transcript.

- Students must be in good standing to be considered for this opportunity.
- Pre-requisite courses held at the high school must be taken prior to approval of online courses.
- If a book(s) is required for the course, the student is responsible for checking with the high school guidance office to see if we have the book prior to purchasing. The district will not reimburse for books we already own.
- Students who fail or drop courses will be required to reimburse the school district for tuition and books.
- Students must earn a passing grade to continue in this program.
- Most courses are one semester in length, with .5 credits earned each semester.
- All courses are applied to grade point average and recorded on the student's transcript.

If you would like to know more about online courses, please contact the School Counselor for additional information.

### **Online Grading Policy**

For students enrolled in an online class that is monitored by Howards Grove High School, progress and performance in the class will be assessed at grade check interval. Students are expected to meet the "on pace" expectations for the course, as well as achieve a minimum passing grade. Student grades will be determined using our high school grading scale, in addition to the following criteria:

- Student must complete 25% of the course by mid-term of the 1<sup>st</sup> term of the course.
- Student must complete 50% of the course by the end of the 1<sup>st</sup> term of the course.
- Student must complete 75% of the course by mid-term of the 2<sup>nd</sup> term of the course.
- Student must complete 100% of the course by the end of the 2<sup>nd</sup> term of the course.

**Non-Discrimination Policy** - No person shall be denied admission to any public school in the district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, co-curricular, career & vocational programming, student services, recreational or other program or activity because of the person's sex, race, color, national origin, ancestry, creed, religion, pregnancy, marital or parental status, sexual orientation, handicap or physical, mental, emotional or learning disability in the educational programs or activities operated by the Howards Grove School District.

## **HIGH SCHOOL COURSES RECOMMENDED/REQUIRED FOR COLLEGE BOUND STUDENTS**

### **ENGLISH - 4 Year Minimum\***

Including Literature, Composition, standard language usage, essay/theme writing, research, term paper writing and speech.

### **MATH - 3 Year Minimum \***

A year each in Algebra, Geometry, Algebra II. Probability & Statistics is also valuable since most college majors require completion of statistics.

### **NATURAL SCIENCE - 3 Year Minimum\***

Including Biology and Chemistry. Physics would be helpful.

### **SOCIAL STUDIES - 3 Year Minimum\***

With 1 year in U.S. History, 0.5 credit in American Government, and 1.5 years of other Social Science.

### **FOREIGN LANGUAGE - 3 Year Minimum\***

At least 3 years in one foreign language are required for admission to UW-Madison. (Students/Parents are encouraged to check with the guidance office or school of interest with any questions.)

### **RECOMMENDED RELATED EXPERIENCES**

School clubs, academic competition, tutoring, community involvement, leadership positions.

***\*4-year colleges are increasing expectations for admission. Advanced Placement, CAPP, and Early College/Dual Credit courses are strongly encouraged, and in some cases necessary for admission!***

***\*Students/Parents: Please make sure to check with colleges to see if they accept courses through CAPP, AP, and Early College. Generally, credits are accepted, but it varies from school to school.***

**Howards Grove High School**  
**Course Offerings – 2025-2026**

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**AGRISCIENCE**

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Greenhouse Mgt. (9-12)  
Landscape and Floral Design (9-12) / (\$30 fee applies)  
TC Production Animal Science 1 (9-12) (\$10 fee applies)  
Production Animal Science 2 (9-12) (\$10 fee applies)  
Natural Resources (9-12) / (\$35 fee applies)  
Food Science (9-12) / (\$25 fee applies)  
Companion Animals (9-12)  
Veterinary Science (10-12)

**ART – (\$25.00 fee per art class applies)**

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Art 1 (9-12)  
Art 2 (10-12)  
Photography & Graphic Design (9-12)  
Contemporary Crafts (10-12)  
Drawing & Design Prep for AP (11-12)  
AP Drawing (11-12)  
Understanding the Arts (11-12) (CAPP)  
Public Art (10-12)  
Art for Therapy & Wellness (9-12)  
Yearbook (9-12)

**BUSINESS EDUCATION (BIT) - 0.5 CREDIT REQUIRED**

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Accounting I (9-12) / workbook fee applies  
TC Accounting II (10-12) / workbook fee applies  
Business Law (11-12)  
Intro to Business (9-10)  
TC Marketing (10-12)  
Personal Finance (11-12) (Graduation Requirement)  
Business Management (10-12)

**ENGLISH – 4 CREDITS REQUIRED**

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English 9 (9)  
English 10 (10)  
English 11 (11)  
Project Based English 12 (12)  
AP Language and Composition (11-12)  
AP Literature (11-12)  
Creative English I-Creative Writing (9-12)  
Creative English II-Drama (9-12)

**FAMILY & CONSUMER EDUCATION (FACE)**

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Child Development & Parenting (11-12)  
Culinary 1 (9-12) / (\$25 fee applies)  
Culinary 2 (10-12) / (\$25 fee applies)  
Culinary 3 (10-12) / (\$25 fee applies)  
Creative Sewing (9-12)  
Intro to Health Sciences (10-12)  
Hospitality Careers (11-12)  
Medical Terminology (11-12)  
Independent Living (12)

**FOREIGN LANGUAGE**

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Spanish I (9-12) / workbook fee applies  
Spanish II (9-12)  
Spanish III (10-12) / workbook fee applies  
Spanish IV (11-12)  
Spanish V (12) (CAPP)

**LEADERSHIP - 0.5 CREDIT REQUIRED**

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Personal Leadership (9)

**MATHEMATICS – 3 CREDITS REQUIRED**

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Algebra 1 (9-12)  
Geometry (9-12)  
Algebra 2 (9-12)  
AP Statistics & Probabilities (10-12)  
Pre-Calculus (10-12) (CAPP)  
Calculus (11-12) (CAPP)  
TC Math w/ Business Applications (11-12)  
TC College Technical Math (10-12)

**MUSIC –**

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Mixed Choir (9-10) / (\$10 fee applies)  
Concert Choir (11-12) / (\$10 fee applies)  
Symphonic Band (9-12) / (\$10 fee applies)  
Vocal Jazz/Chamber Singers (11-12)  
Music Appreciation I or II (10-12)  
Music Theory (11-12)

**PHYSICAL EDUCATION 2.5 CREDIT REQ.**

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Physical Education (9-10)  
Health (9-10)  
Phy. Ed. Elective (11-12)  
Fitness & Nutrition (11-12) / (\$15 fee applies)  
Strength & Conditioning (11-12)

**SCIENCE – 3 CREDITS REQUIRED**

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General Science (9-11)  
Biology (9-10)  
Conceptual Physics (10-12)  
AP Advanced Biology (11-12)  
Chemistry (10-12)  
UWGB College Chemistry I (11-12) (CAPP)  
Physics I (11-12) (CAPP)  
Physics II (11-12) (CAPP)  
Human Anatomy & Physiology (11-12)

**SOCIAL SCIENCE – 3 CREDITS REQUIRED**

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Geography (9)  
World History (10)  
AP Psychology (11-12)  
U.S. History (11)  
American Government (12)  
Social Problems (12)

**TECHNOLOGY EDUCATION**

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Metals/Manufacturing I (9-12) (\$25 fee applies)  
Metals/Manufacturing II (9-12) (\$25 fee applies)  
Advanced Metals (10-12) (\$25 fee applies)  
TC Small Engines (9-12) (\$20 fee applies)  
Advanced Small Engines (9-12) (\$20 fee applies)  
Woods I (9-12) (\$25 fee applies)  
Woods II (9-12) (\$25 fee applies)  
Advanced Woods (10-12) (\$25 fee applies)  
Project Grill (9-12)  
Engineering Drafting & CAD (9-12)  
Architectural Drafting & CAD (9-12)  
Practical Electricity (11-12) (\$20 fee applies)  
3D Printing (9-12)

**Work Experience*****Programs***

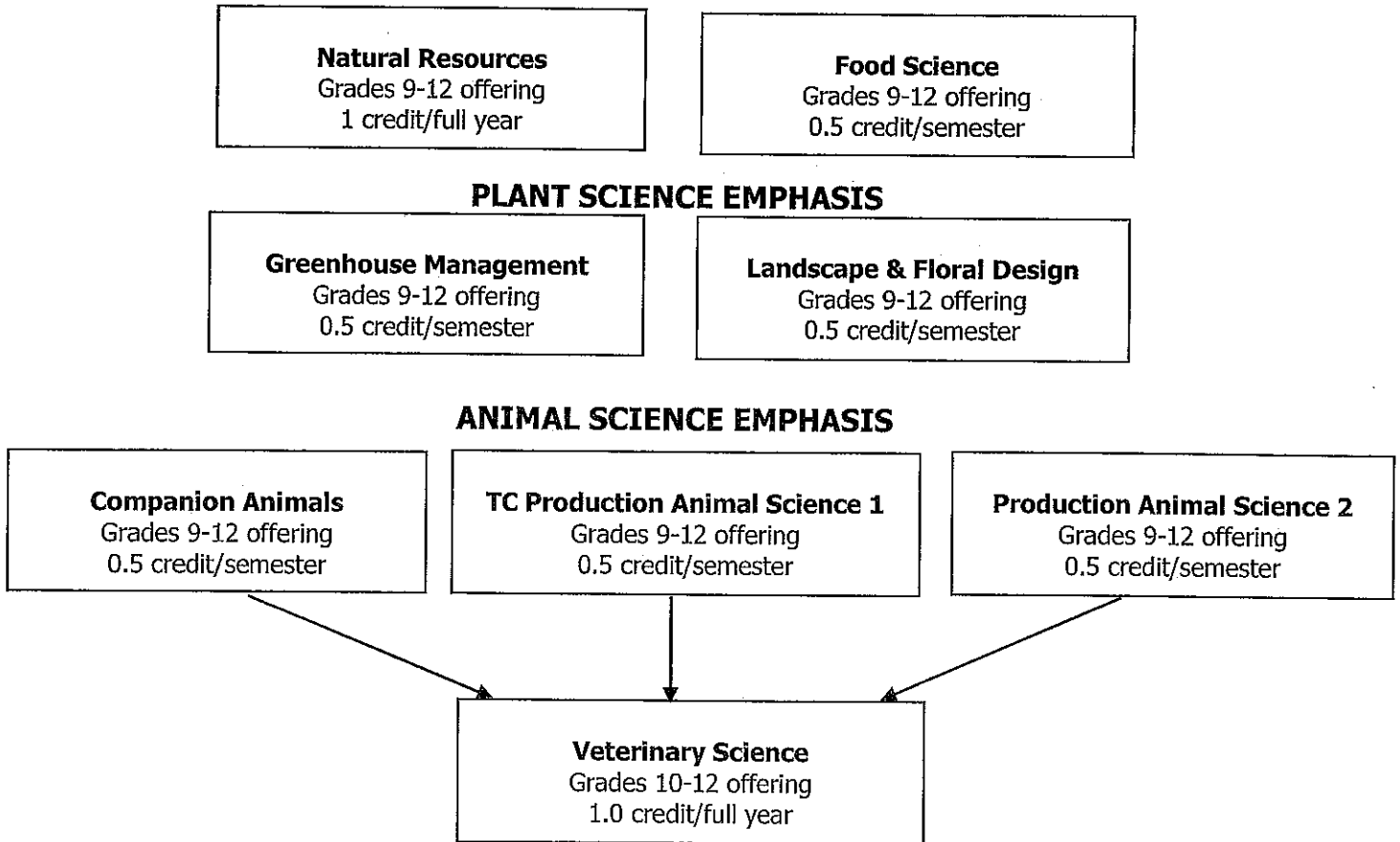
Youth Co-ops (11-12)  
School to Work Program (11-12)  
Teacher Aide Program (11-12)  
Youth Apprenticeship Program (11-12)

**PERSONAL LEADERSHIP – semester course / 0.5 credit / grade 9 \*required for graduation**

This course is designed to allow students to explore their mindsets, habits, and values and the role they play in current and future success. The goal of the course is to help students build a deeper understanding of themselves, identify areas they would like to improve and then strategies they can use to grow. Students will also be given opportunities to develop self-awareness, courage and confidence in order to increase the impact they can have on others within the school and community.

## **AGRISCIENCE**

**GRADUATION REQUIREMENTS:** Credit earned may be applied toward Career & Technical Education (Vocational) requirement. Courses may also count towards a Science credit.



Agri-Science classes are designed to provide students with a well-rounded education to help prepare them for their future-no matter what field they choose to enter. To accomplish this, Agri-Science classes do not focus solely on the topics dictated by a course title, but also work with students in developing those "life skills" they will need. Topics such as record keeping, public speaking, critical thinking, leadership, personal growth and development, career planning, and current agricultural issues are just some of the additional topics that students will be exposed to in addition to the specific class topics.

To accomplish this, agricultural education is divided into three areas: the classroom/laboratory, SAE (Supervised Agricultural Experience) projects, and the FFA. All three areas are considered necessary to properly prepare student for their future and all are intra-curricular.

While FFA membership is not required of Agri-Science students, it will be encouraged as it is considered to be an integral part of a student's education in Agri-Science classes in order to achieve the educational goals discussed earlier.

## **AGRISCIENCE OFFERINGS**

### **TC PRODUCTION ANIMAL SCIENCE 1 – semester course / 0.5 credit / grades 9-12 offering**

This course is all about livestock! From beef, sheep, goats, swine, horses, and poultry- we will take an in depth look at each species and learn about their animal industry. You will gain an understanding of breeds, common procedures and practices, and management techniques for each species. This is a hands-on class with many labs related to each topic!

A \$10 course fee is required for this class.

### **PRODUCTION ANIMAL SCIENCE 2 – semester course / 0.5 credit / grades 9-12 offering**

This course is designed to give students a deeper understanding of livestock and production animals. This class looks at the Animal Science Industry as a whole and discusses topics like feeding and nutrition, reproductive technologies and practices, biosecurity, identification practices, and evaluation techniques for multiple production animal species. This class is a lab based class with a field trip to local animal producers at the end of the semester.

A \$10 course fee is required for this class.

### **GREENHOUSE MANAGEMENT – semester course / 0.5 credit / grades 9-12 offering**

#### **\*Only offered Spring Semester**

Plant science comes to life in this class! Through the use of the classroom and greenhouse, students will learn environmental requirements for good plant growth, plant naming and identification, plant parts and their functions, seeds, asexual reproduction, plant tissue culture, growing media, growth stimulants, and retardant and rooting hormones. Students will work with new methods of growing plants by doing hands-on labs in the greenhouse. Students in this class will be responsible for running the annual plant sale in the spring.

### **LANDSCAPE & FLORAL DESIGN – semester course / 0.5 credit / grades 9-12 offering**

#### **\*Only offered Spring Semester**

This lab-orientated course allows students to work both in and outdoors in the horticulture industry. Students will design and manage landscapes for the school district. In this course, students will have the opportunity to design a golf course and learn about turf management. Students will also learn floral design techniques for various occasions throughout the semester. Students will also be able to experience the greenhouse and will grow fresh cut flowers in the greenhouse and on school grounds. Students are responsible for managing school landscapes and helping with the greenhouse sale throughout the semester. Students will have the opportunity to tour a local greenhouse, golf course, and meet with a florist-while learning about job opportunities in this field.

A \$30 course fee is required for this class.

### **NATURAL RESOURCES – full year course / 1 credit / grades 9-12 offering**

Natural Resources is a non-traditional agriculture class that looks at how we manage our environment. Coursework will revolve around the wise use of Wisconsin's natural resources and is broken up into three main units; land ecology, water ecology, and wildlife ecology. Students will learn about fisheries management while using classroom aquaculture tanks to raise fish from fingerlings to market weight. Students will also investigate wildlife ecology, habitat management, wildlife regulations and methods of managing wildlife, including hunting, fishing and trapping. Students will also learn to make their very own fishing rod to participate in the outdoors.

A \$35 course fee is required for this class.

### **COMPANION ANIMALS – semester course / 0.5 credit / grades 9-12 offering**

This course deals with the management of companion (cats, dogs, fish, etc) animals. Topics included are careers, breeds, breed history, health, management, reproduction, nutrition, animal welfare, and basic animal care. The course's main objective is to teach students the joy of pet ownership and the responsibilities that come with pet ownership. Students will be able to work with live animals as well as visit local pet industry businesses.

### **FOOD SCIENCE – semester course / 0.5 credit / grades 9-12 offering**

This course will introduce students to the science of food processing from the time the raw product leaves the farm until it arrives at the grocery store as consumer friendly products. We will address such topics as the harvesting, processing steps, packaging, labeling, marketing and food safety. Labs will focus on actual food preparation, preservation and packaging of dairy, meat and vegetable products. Students will also have the opportunity to explore the many food processing related occupations available in Sheboygan County and surrounding areas.

A \$25 course fee is required for this class.

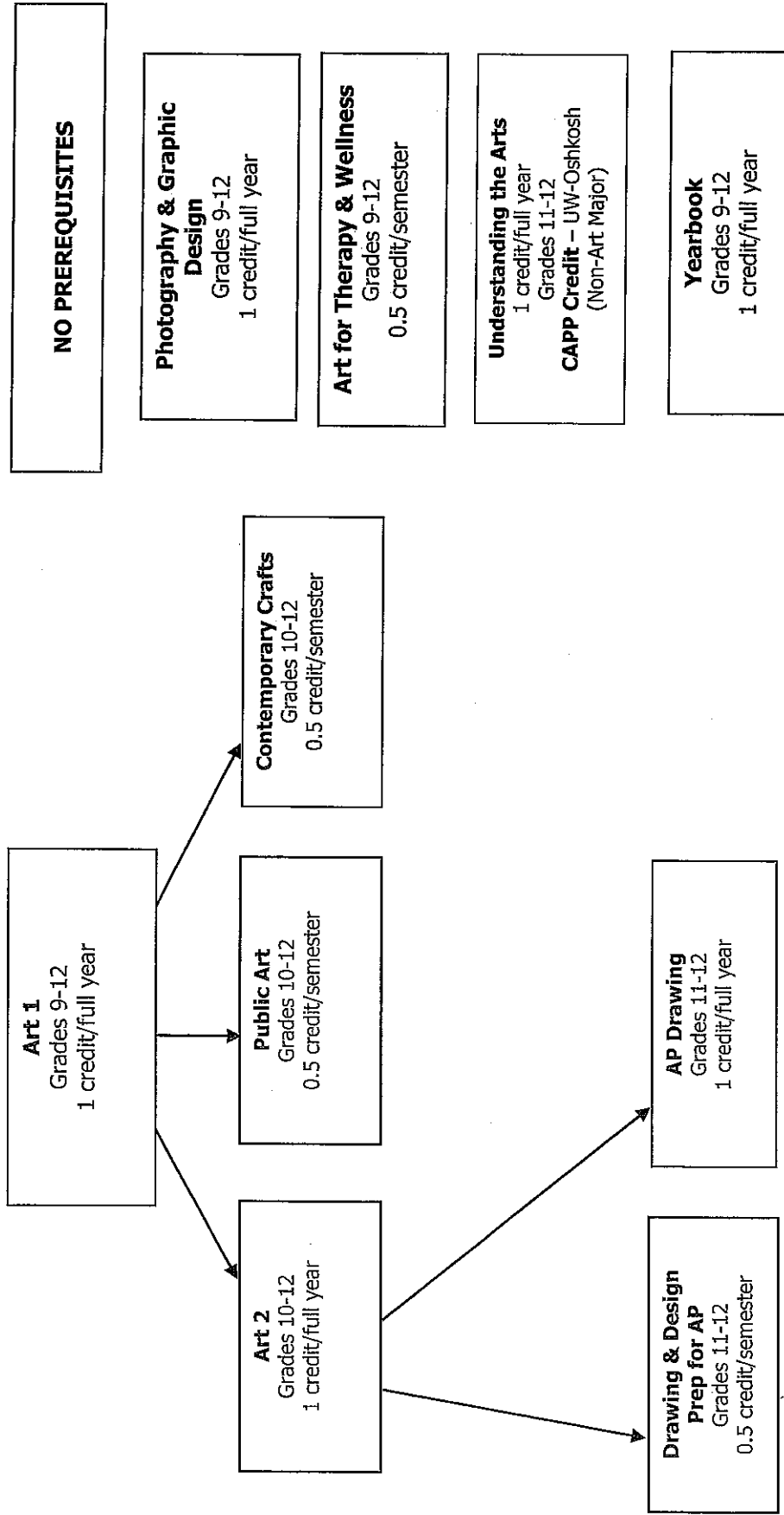
**VETERINARY SCIENCE – full year course / 1.0 credit / grades 10-12 offering**

Interested in learning about the field of Veterinary Science? This course addresses the basic anatomy and functions of systems throughout the body. Students will practice handling procedures of live animals, animal care, sutures, and wrapping wounds all while working in a hands-on lab setting. Classroom presentations by local veterinarians and veterinary technicians will provide students with information about career opportunities in the animal science areas. Current day veterinary practices and procedures will be examined and discussed with ample hands-on, lab-oriented practice during the course. This course will provide a complement field of study to students interested in Chemistry, Engineering, Microbiology, and Production Agriculture.

**Prerequisite:** Production Animal Science or Companion Animals

# ART

**GRADUATION REQUIREMENTS:** Credits earned may be applied toward fulfillment of the Fine/Arts Humanities requirements.



## **ART OFFERINGS**

There is a \$25 class fee for each art class you enroll in.

### **ART 1 – full year course / 1 credit / grades 9-12 offering**

This course serves to build a strong foundation for further study in art. The student will develop skills in drawing, design, acrylic painting, and sculpture. Students will gain an understanding of composition, color theory and the Studio Habits of Mind. Design problems will emphasize the art elements and principles of design.

**This course is a prerequisite for Art 2, Public Art, and AP Drawing.**

### **ART 2 – full year course / 1 credit / grades 10 -12 offering**

Students will build upon skills learned in Art 1 by creating more advanced projects in drawing, design, sculpture, and oil and watercolor painting. Students will further their understanding of the Studio Habits of Mind.

**Prerequisite(s):** Art 1

### **PHOTOGRAPHY & GRAPHIC DESIGN – full year course / 1 credit / grades 9-12 offering**

This course combines digital photography with graphic design which often function together in the professional world. Students will be introduced to the Adobe Suite (Photoshop, Illustrator, and InDesign) industry standard programs for graphic design and fine arts. Students will learn to use manual cameras as well as make better use of cameras on smartphones. These skills will be used to plan, analyze, and create visual solutions to communication problems.

### **CONTEMPORARY CRAFTS – semester course / 0.5 credit / grades 10-12 offering**

The student will explore the creative design of two-dimensional and three-dimensional forms in the areas of contemporary craft such as fiber arts, jewelry design, stained glass mosaics, altered books, book making, collage, and macramé. Aesthetic concepts will be emphasized in the process of developing objects with a decorative or utilitarian purpose.

**Prerequisite:** Art 1

### **DRAWING AND DESIGN PREP FOR AP – semester course / 0.5 credit / grades 11–12 offering**

Get practice building the skills needed to get a higher portfolio score by the AP board in AP Drawing. Self-expression and synthesis of art elements and principles for each project will be integrated into this course. This class is recommended if you plan on taking AP Drawing in the future. *This course may be taken more than once allowing students to focus on various media and skill development.*

**Prerequisite(s):** Art 2

### **AP DRAWING – full year course / 1 credit / grades 11-12 offering**

This course is designed for highly motivated students who intend to pursue a career in visual art and/or design, or simply have a strong interest in the visual arts. AP Drawing is a rigorous course that has at its core the generation of a body of high quality work related to a theme. The coursework is expected to be equivalent to a first-year college level art course in terms of quality, content, and form. Students are expected to challenge themselves to develop mastery of ideas, skills, expression, and critical thinking in drawing. Success in AP Drawing is dependent upon completing and submitting the prescribed AP Drawing portfolio to the AP College Board for official scoring by the first week of May.

**Recommendations for this course:** Drawing & Design Prep for AP

**Prerequisite(s):** Art 2

### **UNDERSTANDING THE ARTS – full year course / 1 credit / grades 11-12 offering**

#### **3 CAPP Credits (UW-Oshkosh)**

No artistic skill necessary and this class fulfills part of the required humanities credits needed for a college degree! This is an art appreciation course for NON-ART majors. Learn about art and its history around the world. The overall objective is for students to acquire a concrete understanding of how visual media can shape an environment, influence audiences, and reflect the culture in which it is created.

**Recommendations for this course:** Grades of B or better in World History and/or Social Problems.

**PUBLIC ART – semester course / 0.5 credit / grades 10-12 offering**

Students will explore public art around the world as they consider the question "What is public art and why is it important to communities?" Students will investigate how public art is developed and created as they plan and make a public work of art for the school or the local community.

**Prerequisite(s):** Art 1

**ART FOR THERAPY AND WELLNESS – full year course / 1 credit / grades 9-12 offering**

No art skill needed! Nearly one-half of the nation's health care institutions provide arts programming for patients, families, and staff. These programs are provided because of the healing benefits to patients, which leads to shorter hospital stays, better pain management, and less medication. This course will provide an opportunity for those who are interested in the medical field to learn about promoting healing and wellness through art practices and observation for patients, themselves, and/or those interested in Art Therapy or Psychotherapy as a career. Art for Therapy and Wellness will also be an opportunity for all students to gain wellness and mindfulness practices through art. The course will focus on the history and theory of Art Therapy, Human Development and Art Therapy, Art Therapy vs. Art as Therapy and Wellness, Art Therapy Strategies, and Art as Communication.

**YEARBOOK – full year course / 1 credit / grades 9-12 offering**

This is a challenging, fast-paced, financially self-supporting business class that produces the high school yearbook with specialized publishing software, disk submission, and digital direct-to-press output. Students will be required to juggle student/business/parent advertising, yearbook sales, finance, public relations, legal issues, page production, quality management, product distribution, photography, problem solving, journalism and interviewing projects. Students need to be highly motivated, dependable, be technologically skilled, take initiative, work well under deadline pressure, be open to constructive criticism and be willing to put in time outside of class. Team building, positive attitudes, daily attendance, and commitment are imperative.

**Prerequisite(s):** Experience in Adobe InDesign, Adobe PhotoShop and any applications of digital photography are advantageous.

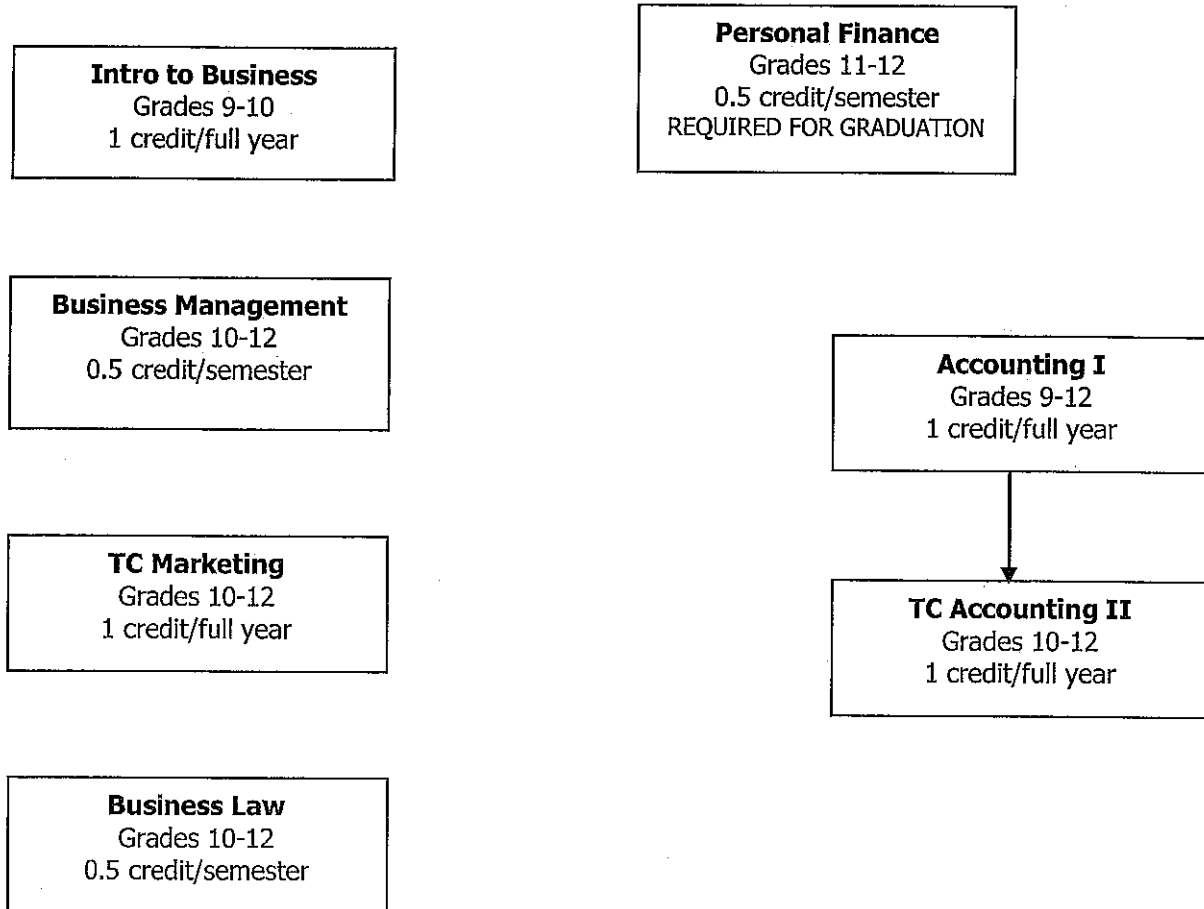
**Recommendations for this course:**

1. Strong word processing, computer, and desktop publishing skills are necessary while working with the yearbook publisher's software.
2. English skills (composition, spelling, and grammar) need to be above average with an interest in journalism or graphic design.
3. Personal skills such as leadership, initiative, responsibility, organization, an eye for detail, and calmness under constant pressure need to be higher than average.
4. Need to work positively and productively as part of a team.

## **BUSINESS EDUCATION**

**GRADUATION REQUIREMENTS:** 0.5 credit Personal Finance is required.

Additional credits may apply toward the Career and Technical Education (Vocational) requirement.



## **BUSINESS and INFORMATION TECHNOLOGY (BIT)**

### **ACCOUNTING I – full year course / 1 credit / grades 9-12 offering**

Accounting I will prepare students for entry-level accounting positions and for further study in accounting. Basic accounting concepts are introduced and students' progress through the accounting cycle for a service and merchandising business.

Course Objectives:

- Demonstrate usage of accounting principles and concepts
- Prepare effective financial information
- Communicate effectively
- Interpret financial data

**Recommendations for this Course:** Use of a calculator is encouraged. Accounting I is offered to any student for personal use, preparation for the job market and for higher education.

**Students will be required to purchase a workbook for this class.**

### **TC ACCOUNTING II – full year course / 1 credit / grades 10-12 offering**

Advanced Accounting is an opportunity for students who are pursuing careers in business.

Course objectives:

- Demonstrate calculations for accruals/deferrals, ratios, cash flow, inventories & depreciation
- Manipulate software to prepare various accounting documents
- Communicate effectively
- Interpret complex financial documents

**Prerequisite(s):** Accounting I

**Recommendations for this Course:** This course is offered to any student for personal use, preparation for the job market, and for higher education.

**Students will be required to purchase a workbook for this class.**

### **INTRO TO BUSINESS – full year course / 1 credit / grades 9 -10 offering**

This course is an overview of how business works and is great for students trying to figure out whether a career in business is right for them. Students will get a glimpse of Accounting, Finance, Marketing, Economics, and Business Law.

### **BUSINESS LAW – semester course / 0.5 credit / grades 10-12 offering**

**\*Will be offered on a rotational basis. Offered during the 2025-2026 school year.**

This course will acquaint students with the law as it affects their everyday personal and business activities. Topics include (but are not limited to) the court system, minors and the law, warranties and liability, creditors' rights and bankruptcy, legal contracts, unions, employment discrimination, personal property, and landlord-tenant relationships. Learn the difference between misdemeanors and felonies, void and voidable purchases (contracts), product liability and protection, plus more.

**Recommendations for this Course:** Basic introduction to law for the ordinary person.

### **TC MARKETING – full year course / 1.0 credit / grades 10-12 offering**

In today's changing marketplace, careers in the marketing field are in high demand. This class will not only introduce students to topics such as economics, free enterprise system, and elements of marketing, but will also go more in depth and look at different types of marketing, such as sports and entertainment and social media marketing.

### **PERSONAL FINANCE – semester course / 0.5 credit / grades 11-12 offering \*Required for graduation**

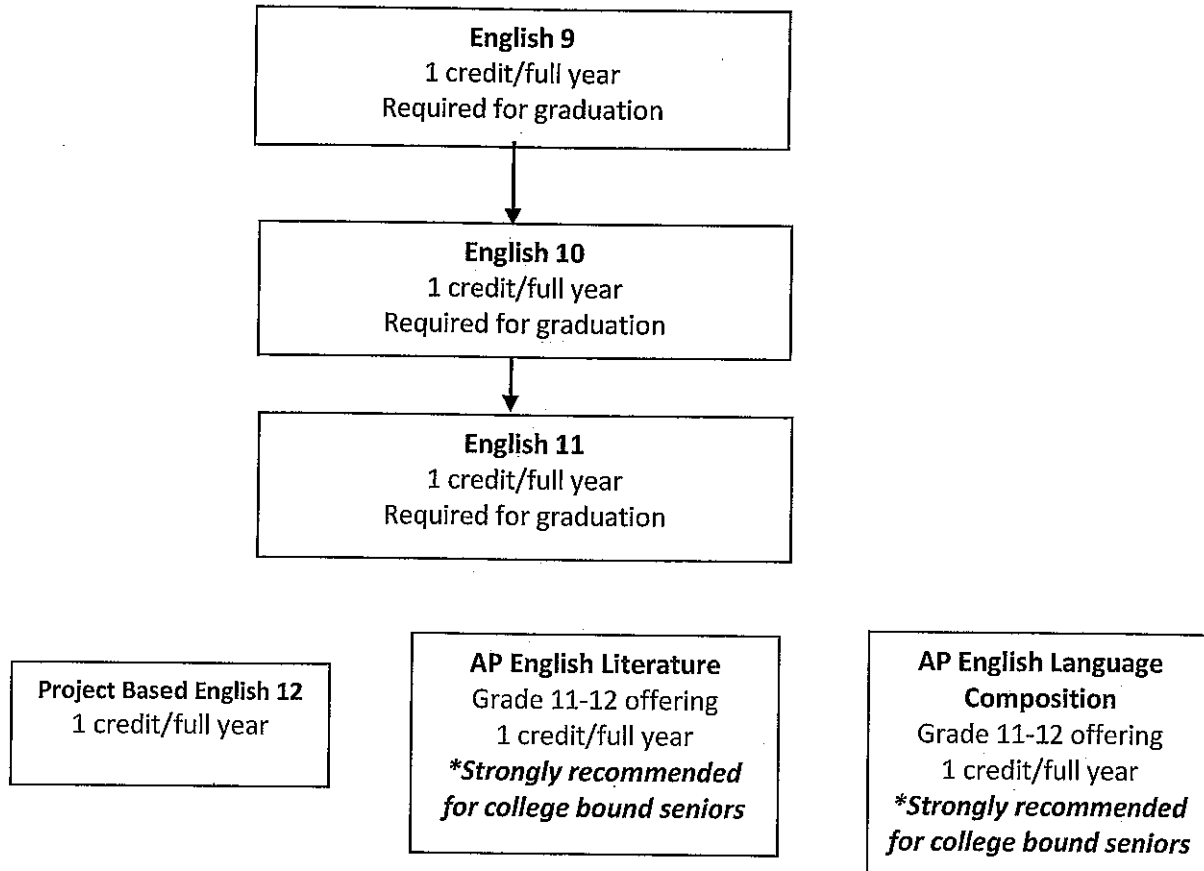
You are a consumer, but do you know how to get the most "Bang for your Buck"? This course is designed to help you realize your personal financial objectives. You will receive information that will help you make wise decisions for the financial issues you will face the rest of your life. Topics of study include: Income and Taxes, Financial Institutions and Checking Accounts, Using Credit, Budgeting and Spending, Savings, Investing, Insurance, and Retirement.

### **BUSINESS MANAGEMENT – semester course / 0.5 credit / grades 10-12 offering**

Students will assess their ability to work in a position of authority and obtain a knowledge base of management theory, computer and communication skills, ethics, human resources, and other necessary skills of effective managers.

## **ENGLISH**

**GRADUATION REQUIREMENTS:** 4 credits (1 credit per year)



**Note:** Students are required to successfully earn 4 English credits for graduation. All students are required to take English 9, English 10, and English 11. Students may choose between the remaining 3 courses to earn their fourth credit. AP Literature and AP Language are highly encouraged for college bound students.

*The English department also offers two elective courses. These courses do not count towards graduation requirements for English and may be taken at any point during high school. Please see the descriptions for Creative English I and II for additional information.*

**Creative English I - Writing**  
0.5 credit/semester  
9 – 12 Elective  
(In addition to required)

**Creative English II-Drama**  
1 credit/full year  
9 – 12 Elective  
(In addition to required)

## **ENGLISH OFFERINGS**

### **ENGLISH 9 – full year course / 1 credit / grade 9 offering \*required course for graduation**

Students will work to continue developing their reading skills through reading, comprehending, and analyzing a wide variety of texts. Students will also continue to develop their writing skills with a focus on analytical and argumentative writing as well as research skills and using MLA documentation. In addition, students will practice speaking skills in small groups, large groups, and more informal presentation situations. Technology will be integrated into the course through various projects and daily activities.

### **ENGLISH 10 – full year course / 1 credit / grade 10 offering \*required course for graduation**

Students will build upon the reading skills developed in English 9. Students will learn and practice the basic principles of public speaking give numerous speeches in a variety of situations. Students will also continue to work to improve their reading and writing skills.

**Prerequisite:** English 9

### **ENGLISH 11 – full year course / 1 credit / grade 11 offering \*required course for graduation**

This course will provide students with the opportunity to continue to grow as a reader, writer, thinker, and speaker. The course is grounded in the Common Core Standards. Academic writing and research writing will be a focus in addition to personal and creative writing. Students will work on verbal communication skills in small groups, large groups and presentations. Technology will be integrated through projects and daily lessons. Vocabulary development, grammar, and independent reading will carry on throughout this course.

**Prerequisite:** English 10

### **PROJECT BASED ENGLISH 12 – full year course / 1 credit / grade 12 offering**

Students will complete several different projects that require them to utilize and improve a wide variety of skills from reading and writing to time management and prioritizing. Students will write a range of texts, create videos, give presentations and explore a variety of topics they are interested in. One of the projects students will complete is the real-world job application project. In this project, students will create a professional resume and get face to face feedback on their resume from area professionals in a small group setting. Students will also learn about interviewing and participate in a 30-minute mock interview with area professionals. In another project, students will choose a topic they are passionate about to research, learn about and then share their learning through various forms of writing. The heart of this project is that students learn something they can use outside of this building. Students will also prepare and give TEDtalk style presentations to a roomful of their peers during advisement giving them a chance to present to an authentic audience in a seminar or conference type scenario. There will be other projects of varying scope and size throughout the class ranging from writing college and scholarship essays to special occasion speeches. This class is run in a workshop model with students receiving ample class time to complete the various items. Students with decent time management skills and motivation should be able to handle taking this course along with an AP English course.

**Prerequisite:** English 11

### **AP ENGLISH LANGUAGE COMPOSITION – full year course / 1 credit / grade 11-12 offering**

**\*Strongly recommended for college bound students.**

Advanced Placement English Language and Composition is a college-level course. Thus, students will need to dedicate a significant amount of time to their course work. Often, the work involves long term writing and reading assignments, so effective time management is important. Students must bring to the course sufficient command of mechanical conventions and an ability to read and discuss prose. Readings will cover a variety of topics, authors, styles, genres, and time periods. Ideas conveyed in texts are not endorsed by the instructor or the school district but serve as catalysts for discussion and examination of both rhetorical choices and ideas. *Students who participate fully and put forth their best effort will reap the benefits of this course, regardless of what their intended majors are in college.*

Students who enroll in this course are highly encouraged to take the AP exam in the spring. This course will discuss, practice, and assist students in preparing for the exam. Students who enroll in the course should do so because they want to challenge themselves and better prepare themselves for the level of thinking, writing, and reading they will be engaging in at the college level...regardless of their major.

**Please see the instructor for a Pre AP/CAPP Course Form that must accompany your course registration materials. This form must be filled out for EACH AP/CAPP course you plan to enroll in.**

**AP ENGLISH LITERATURE – full year course / 1 credit / grade 12 offering**

**\*Strongly recommended for college bound students.**

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

**Please see the instructor for a Pre AP/CAPP Course Form that must accompany your course registration materials. This form must be filled out for EACH AP/CAPP course you plan to enroll in.**

**CREATIVE ENGLISH I (WRITING) – semester course / 0.5 credit / grades 9-12 offering**

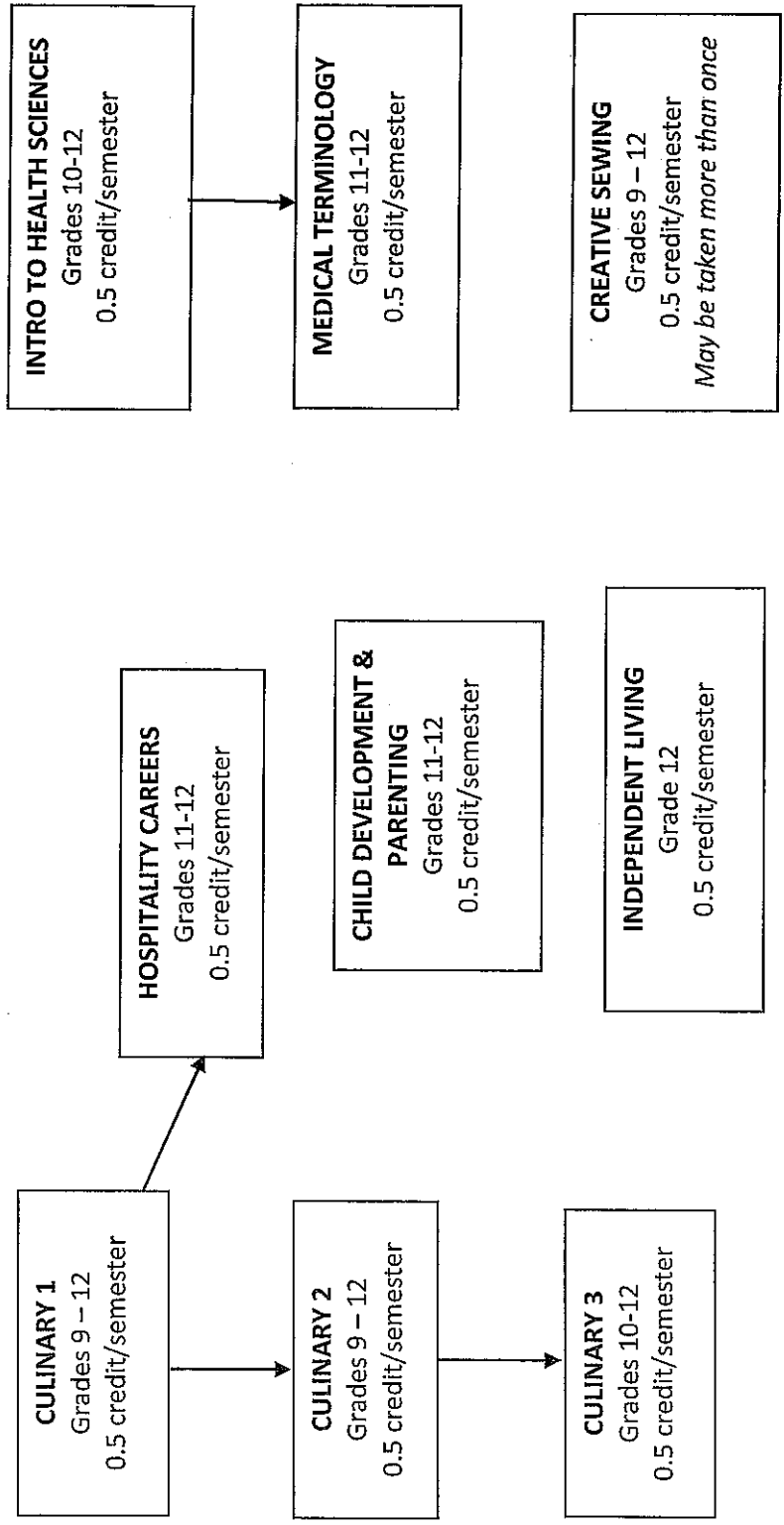
This course will give students the opportunity to experience writing as a tool for intellectual exploration, self-discovery, and creative expression. Students will learn to read like writers in order to explore and identify successful elements of writing and strategies for writing. Students will then apply those elements and strategies to their own writing. This course will be taught in a workshop format with students choosing their own writing topics and forms and then publishing their work. Class participation and engagement will be very important for success in this course.

**CREATIVE ENGLISH II (DRAMA)– full year course / 1 credit / grades 9-12 offering**

**\*May be taken more than once**

This fun and engaging course will give students the opportunity to be introduced to influential pieces of drama from history and today, as well as learning the elements that go into a successful performance of a drama. Students will study dramatic performances as well as perform themselves. Class participation and engagement will be very important for success in this course.

**FAMILY & CONSUMER SCIENCE**



## **FAMILY & CONSUMER EDUCATION OFFERINGS**

### **CULINARY 1 – semester course / 0.5 credit / grades 9-12 offering**

Foods 1 will introduce you to the food service industry, hospitality and culinary arts. This course will focus on basic food preparation skills with an emphasis on presentation. Students will have multiple opportunities to demonstrate their skills related to food safety and sanitation, nutrition, food science, knife skills, garnishing, plate presentation, purchasing food, planning meals and culinary trends. Students will be introduced to multiple careers related to the food industry as they participate in food demos, labs, experiments, and individual, team, and class projects.

A \$25 course fee is required for this class.

### **CULINARY 2 – semester course / 0.5 credit / grades 9-12 offering**

Foods 2 will explore advanced cooking methods and creative culinary techniques while adding new cooking skills. This course will take you one step further in your culinary journey. Students will have multiple opportunities to make creative decisions in the kitchen. An emphasis will be placed on advanced baking, meat cookery, creative cuisine, cake decorating, and ethnic foods. Additional careers will be explored as students participate in food demos, labs, experiments, and individual, team, and class projects. This course is designed for those who love art, who love to create, or who just love to eat.

A \$25 course fee is required for this class.

**Prerequisite:** Culinary 1 (Foods 1)

### **CULINARY 3 – semester course / 0.5 credit / grades 10-12 offering**

Do you love food? Do you love to cook or bake? Are you ready to show off your culinary skills? Did you like Foods 1 and 2 and you are ready to take your culinary skills to the next level? Do you want to share your love of food with others? If so, Foods 3 will take you on another adventure in the kitchen and exploring food. This course will provide multiple opportunities to design, develop and create new cuisine. It will take your taste buds and creativity one step further. In addition to food demos, labs, experiments and individual, team and class projects, this course will provide multiple food service opportunities.

A \$25 course fee is required for this class.

**Prerequisite:** Culinary 2 (Foods 2)

### **CREATIVE SEWING – semester course / 0.5 credit / grades 9-12 offering**

This course is designed for students who like to construct, who like to design or repurpose, who feel the urge to be creative, for those wanting to save money, and/or for those interested in a career in clothing or interior design. Students will learn how to read patterns, select fabric, and use sewing tools. The construction techniques will be applied to student's projects based on their interests and skills. These projects may include, but not limited to clothing, household accessories, gifts, and/or holiday items. No additional lab fee is required for the course, but students will need to purchase fabric and other supplies for their projects. Creative Sewing is self-paced and may be repeated. Students who take Creative Sewing for a second time have the opportunity to expand their skills through the use of a wider variety of fabrics and construction and design techniques.

### **CHILD DEVELOPMENT & PARENTING – semester course / 0.5 credit / grades 11-12 offering**

Child Development and Parenting students examine the growth and physical, emotional, social, and intellectual development of infants, toddlers, and preschoolers. An emphasis is placed on child psychology by evaluating personal skills, traits, and strengths. Students will examine the responsibilities which go along with working with children and the importance of nurturing and guiding children as a way of strengthening families. Students will evaluate their own interest and readiness to work with children as a parent or in a career. In addition to helping students develop the skills necessary for parenting, those students considering careers in education, nursing, physical and occupational therapy, psychology, social work, and child care services should consider taking this class. Observing and interacting with children at the elementary school and area day care centers, working with RealCare® Baby, hands-on activities, and guest speakers are some of the many ways students in this class will learn about child development and parenting.

**HOSPITALITY CAREERS – semester course / 0.5 credit / grades 11-12 offering**

Hospitality Careers are those that involve meeting the needs of the guests at hotels, resorts, restaurants, conference centers, sports and entertainment facilities, and tourism attractions. You will be introduced to the wide variety of career opportunities in the hospitality field. You will also learn about the training and skills needed for employment in the industry, with emphasis on customer service skills. Guest speakers and activities related to tasks done in hospitality industry are two main ways you will learn about the industry. Students who take Hospitality Careers will have the knowledge and skills to help them secure an entry-level job or to enter programs such as the Culinary Arts or Hotel and Hospitality Management Program at Lakeshore Technical College or the Resort Management Program at Lakeland College.

**Prerequisite:** Culinary (Foods) 1

**INTRO TO HEALTH SCIENCES – semester course / 0.5 credit / grades 10 – 12 offering**

Are you interested in a health related field like nursing, physical therapy, sports medicine, massage therapy, or dietetics? Do you want to know what a biomedical engineer does or the difference between a nurse practitioner and a physician assistant? Introduction to Health Occupations is designed to introduce students to the knowledge and skills necessary for pursuing a career in a health related field. Students will explore Therapeutic Services, Diagnostic Services, Health Informatics, Support Services, and Biotechnology through hands-on activities, medical simulations, health care professional research, guest speakers and field trips. Students will be exposed to basic concepts including confidentiality, legal responsibilities, infection precautions, and ethics and health care standards. Medical terminology will be introduced as it relates to disease, diagnosis, treatments and systems of the human body. Students will leave this course with core concepts and vocabulary used in a healthcare setting. Students will develop competence in the National Health Care Skills Standards that serve as a foundation for occupations and functions across all health careers. A must for any student interested in a Health Services career or any student thinking about a possible career in Health Services.

**MEDICAL TERMINOLOGY – semester course / 0.5 credit / grades 11-12 offering**

Those working in Health Care need a strong foundation in the language of medicine and medical terminology. The primary class objective is to read and understand the language of medicine. This course will focus on a solid foundation of word parts by a body systems approach. Students will form medical words by combining prefixes, suffixes, and root words, associate medical terms with specific body systems, identify and interpret diagnostic and symptomatic terms, describe designated diagnostic testing procedures, interpret medical/clinical related materials and distinguish medical terms and abbreviations related to each body system. Students will be presented with various strategies for studying medical terms throughout the course.

A must for any student interested in a Health Services career or any student thinking about a possible career in Health Services.

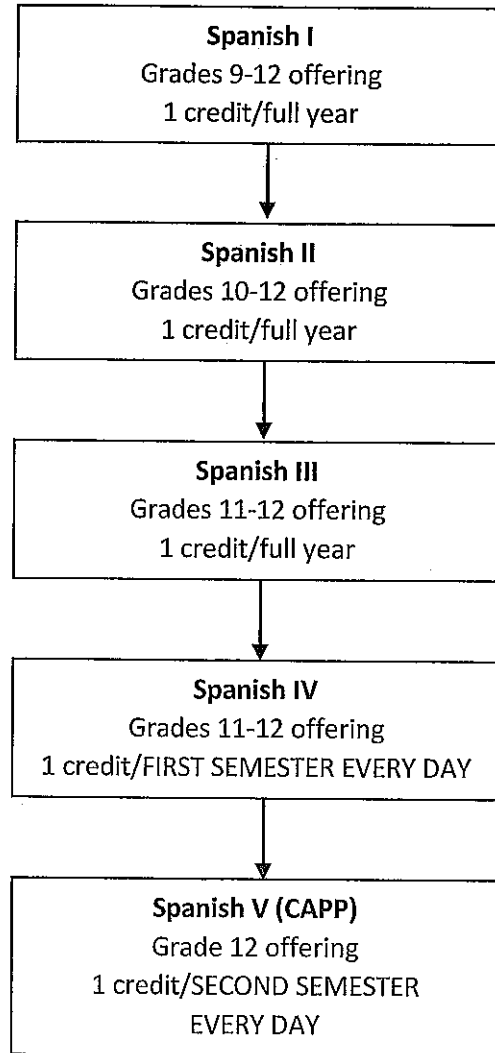
**Prerequisite:** Intro to Health Sciences

**INDEPENDENT LIVING – semester course / 0.5 credit / grade 12 offering**

Think you are not ready for the "real world", not sure how to change a flat tire or fix a hole in your shirt...not sure of the questions to ask before renting an apartment, buying or leasing a vehicle, or you are just not sure you can make it living with a roommate...then this class is for you. This class is designed to assist in the transition from dependent to independent living and help you gain the confidence to make it on your own. Students will explore and practice skills necessary for living on your own and becoming a wise consumer. This course is designed to be very hands-on. Students will be introduced to strategies they will need to survive as an independent person. Areas of focus will include but not limited to: consumer rights/responsibilities, housing, transportation, personal finance, food and nutrition, health and safety.

## **FOREIGN LANGUAGE**

**GRADUATION REQUIREMENTS:** Credit earned may be applied toward fulfillment of the Fine Arts/Humanities requirement.



## **FOREIGN LANGUAGE OFFERINGS**

**NOTE:** Three years foreign language highly recommended for 4-year colleges (based on university standards).

### **SPANISH I – full year course / 1 credit / grades 9-12 offering**

This course is an introduction to the Spanish language and to the culture of the many countries in which Spanish is spoken. The student learns to interact linguistically in Spanish primarily through repetition and memorization. Basic vocabulary and grammar are presented. Daily oral participation and listening comprehension are stressed. The student develops limited skills in speaking, reading, and writing and can respond orally in structured, basic social situations. Good background in English grammar and an excellent elective for juniors that have not already chosen a foreign language. **Students are required to purchase a workbook for this class.**

### **SPANISH II – full year course / 1 credit / grades 10-12 offering**

In this course the basic skills of listening, speaking, reading and writing continue to be stressed. Increased emphasis is placed on vocabulary development, verb usage and grammar through both oral and written communicative activities. Students are able to communicate in a limited manner both orally and in writing regarding present, past, and future experiences. Students are able to initiate as well as interact in controlled social situations. An increased awareness of the culture of the Hispanic people is also gained through reading and classroom discussion.

**Prerequisite(s):** Spanish I

**Recommendations for this Course:** A **MINIMUM** of 2 years of foreign language is recommended for college-bound students; three levels of foreign language are strongly encouraged.

### **SPANISH III – full year course / 1 credit / grades 11-12 offering**

This course is conducted entirely in Spanish. Students are encouraged to participate actively using both oral and written Spanish. The present and preterit tenses are reviewed and expanded. The imperfect, and past progressive tenses are introduced. There is increased emphasis on both speaking and writing; students will be able to narrate and discuss present, past, and future events in both oral and written form. Students are exposed to culture and history through short intermediate level readings in Spanish. **Students are required to purchase a workbook for this class.**

**Prerequisite(s):** Spanish II

**Recommendations for this Course:** A trip to Mexico, Central America or Spain may be offered (at student expense) as an adjunct to students enrolled in advanced Spanish classes the year of the trip.

### **SPANISH IV – first semester every day course / 1 credit / grades 11-12 offering**

Spanish IV is conducted entirely in Spanish. It is a continuation and expansion of Spanish III. Students are expected to both initiate conversation and respond in varied social situations.

The future, conditional and present perfect tenses, as well as the subjunctive mood and command forms are introduced. Grammar is refined through continued review, practice and expansion of previously learned material. There is expanded emphasis on composition.

Students are introduced to short selections from Spanish and Latin American legends and literature written for intermediate high school students. Students will be able to discuss these readings and their themes both orally and in writing.

**Prerequisite(s):** Spanish III

**Recommendations for this Course:** Students completing four or more levels of Spanish are generally able to receive retroactive college credit for their high school work upon completion of one semester of college Spanish with a grade of B or better. **It is strongly recommended that students hoping to receive retroactive credits continue their study of Spanish through the senior year of high school.** A trip to Mexico, Central America or Spain may be offered (at student expense) as an adjunct to students enrolled in advanced Spanish classes the year of the trip.

**SPANISH V (CAPP) – second semester every day course / 1 credit / grade 12 offering**

Spanish V is a continuation and expansion of Spanish IV with increased emphasis on oral proficiency, reading and composition. Students are encouraged to elicit and express opinions on topics of literary, social and cultural concern. Grammar is reviewed, refined and expanded through reading and composition. Students are exposed to Spanish and Latin American literature and feature films appropriate for advanced high school students. Plot, theme and cultural implications will be discussed both orally and in writing.

**Prerequisite(s):** Spanish IV

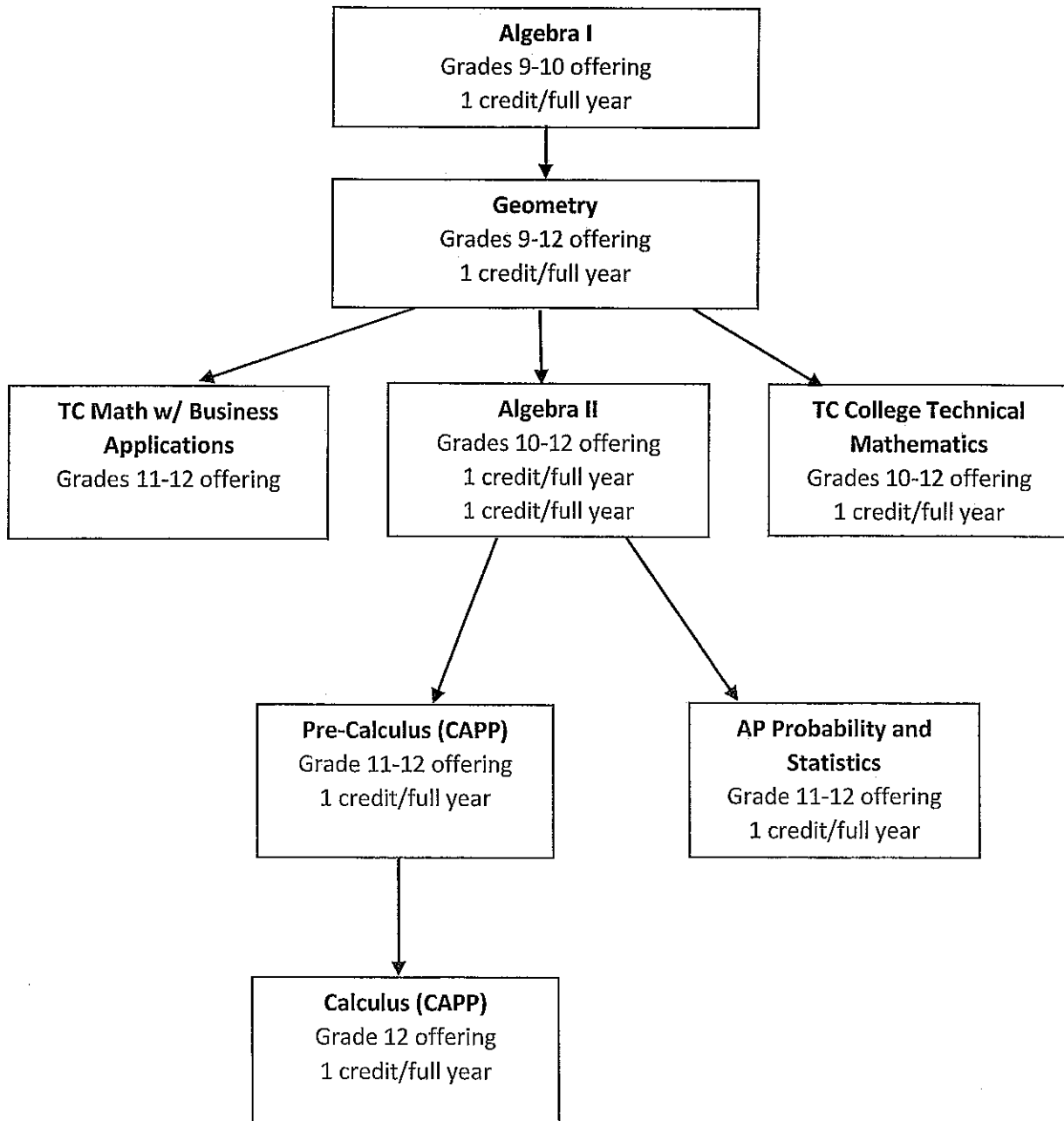
**Recommendations for this Course:** Students completing four or more levels of Spanish are generally able to receive retroactive college credit for their high school work upon completion of one semester of college Spanish with a grade of B or better. **It is strongly recommended that students hoping to receive retroactive credits continue their study of Spanish through the senior year of high school.** A trip to Mexico, Central America or Spain may be offered (at student expense) as an adjunct to students enrolled in advanced Spanish classes.

## **MATHEMATICS**

**GRADUATION REQUIREMENTS:** 3 Credits Required

**College bound students are reminded that completion of Algebra I, Geometry and Algebra II is required for college acceptance.**

Probability and Statistics and Pre-Calculus are strongly recommended for all college bound students.



## **MATH OFFERINGS**

### **ALGEBRA 1 – full year course / 1 credit / grades 9-10 offering**

Algebra will emphasize the study of multiple representations of linear and non-linear functions. This will include mathematical concepts for working with real numbers, algebraic expressions, solving linear equations and inequalities. Along with linear functions, students will be able to model and evaluate non-linear functions including: exponential functions, quadratic functions, radical functions, and rational functions. Students will learn to develop problem solving and critical thinking skills through a variety of real world applications.

**Recommendations for this Course:** Scientific (or graphing) calculator

### **GEOMETRY – full year course / 1 credit / grades 9-12 offering**

This course introduces students to basic geometric terms and definitions. Students will become familiar with many postulates, theorems and corollaries involving angles, parallel lines and planes, triangles, polygons and circles. Students will learn how to use reason and logic and present convincing arguments to solve problems and prove conjectures. Other material covered includes areas of plane figures and solids, volume of solids, transformations and coordinate geometry.

**Prerequisite(s):** Algebra 1

**Recommendations for this Course:** Scientific (or graphing) calculator

### **ALGEBRA 2 – full year course / 1 credit / grades 10-12 offering**

Students who take this two term course will explore the language of algebra in verbal, tabular, graphical and symbolic forms. Problem solving activities and applications encourage students to model patterns and relationships with variables, functions and most importantly the structural representation of a graph. Students will further their understanding of functions that they began in Algebra I with more in depth analysis involving graphing and problem solving. In addition, Polynomial, radical, rational, exponential and logarithmic functions will be studied. Students who successfully complete this course will be well prepared for higher level mathematics courses.

**Prerequisite(s):** Geometry

**Recommendations of this Course:** Graphing Calculator

### **TC COLLEGE TECHNICAL MATHEMATICS – full year course / 1 credit / grades 10-12 offering**

College Technical Mathematics is suggested for students planning to enroll in a trade program after graduation. This class prepares the student to solve linear, quadratic, and relational equations; graph; formula rearrangement; solve systems of equations; percent; proportions; and operations on polynomials. The learner will be able to apply knowledge and skills learned in this course to technical and other problems. Students enrolling in this course are eligible to earn credit through Lakeshore College (LC), therefore, grading for the course is in accordance to LC's grading scale and procedures.

**Prerequisite(s):** Algebra 1 and Geometry

### **TC MATH WITH BUSINESS APPLICATIONS – full year course / 1 credit / grades 11-12 offering**

This course covers: real numbers, basic operations, linear equations, proportions with one variable, percents, simple interest, compound interest, annuity, math concepts applied to the purchasing/buying process, math concepts applied to the selling process, and basic statistics with business/consumer applications. The learner will be able to apply knowledge and skills learned in the course to solve complex problems involving percentages, simple interest, compound interest, annuity problems, inventory, and discounts. Math with Business Applications is the HG & LTC course name. Students enrolled in this class are taught the same curriculum, regardless of whether the student enrolls in the transcripted credit option. Students enrolling in this course are eligible to earn credit through Lakeshore College (LC), therefore, grading for the course is in accordance to LC's grading scale and procedures.

**Prerequisites:** Algebra 1 and Geometry

### **AP PROBABILITY and STATISTICS – full year course / 1 credit / grade 11-12 offering**

This course will introduce students to study of probability and statistics. Students will study general methods that aid in understanding data and information, including collecting, displaying, analyzing, and interpreting data. The ability to make decisions based on the analysis and interpretation of the data will be addressed as we study confidence intervals and hypothesis testing. Students will develop critical-thinking and decision-making skills using mathematical reasoning and logic especially as it relates to the media and advertising. Students will continue to improve their

problem solving skills that can be applied to all areas of life and encourage habits that promote life-long learning. Finally, students will prepare themselves for subsequent college courses, particularly business classes, science classes and classes that require research and statistical analysis.

**Prerequisite(s):** Algebra 2

**Recommendations for this Course:** Graphing Calculator

**PRE-CALCULUS (CAPP) – full year course / 1 credit / grade 11-12 offering**

Pre-Calculus may be taken as a CAPP (College Advanced Placement Program) course allowing the student to receive university credit through Lakeland University. CAPP courses award students full-fledged university credit on an official Lakeland University transcript, based on their course grade, putting them a step ahead upon graduation.

Advanced algebraic techniques including logarithms and exponentials, trigonometry, graphing, and analytical geometry. This course is designed to provide all students with the opportunity to gain experience modeling basic mathematical functions. The elementary functions that will be focused on are linear, power, polynomial, rational, exponential, logarithmic, trigonometric, and circular. This will include graphical, numerical, algebraic, and verbal models to represent data and solve problems. A special emphasis will be placed on the graphical model because of its deployment in every field of advanced research. This means students will learn how to visualize data and mathematical functions as patterns represented by graphs. This visualization will let students analyze data patterns and mathematical functions graphically, which is critical to success in this course and Calculus to follow. Students will spend most of their time engaged in the process of modeling data and mathematical functions by sketching graphs. This will require students to focus on basic mathematical concepts and then use them to sketch and analyze graphs. Algebraic models will be used to find precise answers that the graphs have already qualitatively exposed. This course will prepare students for the study of Calculus by analyzing limits graphically, numerically, and algebraically.

**Prerequisites:** Algebra 2

**Recommendations for this Course:**

- A strong mathematical background including Algebra II
- Graphing Smartphone APP or Calculator
- This course is highly recommended for any student pursuing a university degree, but especially in the areas of the physical sciences, engineering, and computer science
- 

**CALCULUS (CAPP) – full year course / 1 credit / grade 12 offering**

Calculus may be taken as a CAPP (College Advanced Placement Program) course allowing the student to receive college credit for calculus through Lakeland University. Unlike AP courses, CAPP courses award students full-fledged university credit on an official Lakeland University transcript, based on their course grade, putting them a step ahead upon graduation.

The goal of this course is to provide all students with the opportunity to achieve an in-depth understanding of the essential concepts of calculus—one of the most powerful tools for analyzing functional relationships. Therefore, the methodology used by the instructor will require the students to be always involved in the learning process because students learn best by doing calculus—not watching calculus being done. The focus of this course will be limited to a small number of key calculus concepts, emphasizing depth of understanding rather than breath of coverage. The course topics include limits and continuity, derivatives, antiderivatives, definite integrals, and Riemann sums. Applications of differentiation and integration are also covered. Topics will be presented using multiple representations (geometric, numeric, analytic, and verbal) to encourage students to reflect on the meaning of the material. The geometric or graphical representation along with proportional reasoning will receive significant emphasis because it allows students to build rational functions from more basic functions and visualize limits, derivatives, and integrals. This means students will be sketching lots of graphs and reasoning proportionally. This will not be a “Plug and Chug” type of course. Comprehension will be stressed and necessary before analysis of problems can occur successfully. The problems in this course are varied and challenging. Most of the problems in the text cannot be done successfully by following a template in the text or memorizing a formula. This is a very challenging course that requires a great deal of effort from both the students and the instructor. It is also one of the most important classes for students to take who are considering pursuing a four-year university degree in one of the physical sciences, engineering, computer science or a mathematics related field of interest.

**Prerequisite(s):** Pre-Calculus

**Recommendations for this course:** Conceptual Physics and Graphing Smart Phone App or Calculator

## **MUSIC**

**GRADUATION REQUIREMENTS:** Credit earned may be applied toward fulfillment of the Fine Arts/Humanities requirement.

**Symphonic Band**  
Grades 9-12  
1 credit/full year

**Music Appreciation I**  
Grades 10-12  
0.5 credit/semester

**Music Appreciation II**  
Grades 10-12  
0.5 credit/semester

**Music Theory**  
Grades 11-12  
0.5 credit/semester

**Mixed Choir**  
Grades 9-10  
1 credit/full year



**Concert Choir**  
Grades 11-12  
1 credit/full year

**Vocal Jazz/Chamber Singers**  
Grades 11-12  
0.5 credit/semester

## **MUSIC OFFERINGS**

### **Music trip eligibility statement:**

Students are given the opportunity to travel on a performance trip periodically during their high school career. In order to qualify to travel, students must be enrolled in a performing ensemble for the year prior to the scheduled trip. Students who join a performance ensemble the year of the trip will not be eligible to participate. This is due to planning and deposit deadlines. The next trip is scheduled for Spring of 2025 to New York.

### **SYMPHONIC BAND – full year course / 1 credit / grades 9-12 offering**

The purpose of this class is to continue the musical development after participation in the middle school band. The student will have the opportunity to participate in Pep Band, Jazz Band, and Marching Band, as well as rehearse in ensembles of various sizes and instrumentations. Jazz Band is optional while **Pep Band is required**. Dates will be sent home prior to each season. Students are required to march for home football games in the fall. Concerts are also required. To attain the level of skill necessary to participate fully in this class, each student is required to take a weekly 15-minute lesson. This class is part of a four-year program to build musicianship and leadership.

**PREVIOUS EXPERIENCE ON SOME MUSICAL INSTRUMENT REQUIRED.**

### **MIXED CHOIR – full year course / 1 credit / grades 9-10 offering**

The high school Mixed Choir is open to all students with previous musical training, as a continuation of the middle school choral program. A wide variety of quality choral literature is explored as students learn about the music and proper vocal technique through singing. Participation in concerts is required and involvement in solo and ensemble festival is mandatory. A 15-minute weekly private or group lesson allows each student to work on specific objectives at his or her own level. The choral rehearsals will result in students learning to read music while developing their voice as an instrument. Daily in class participation and seasonal concerts are required for group and individual progress.

### **CONCERT CHOIR – full year course / 1 credit / grades 11-12 offering**

The high school Concert Choir is open to all juniors and seniors with at least one year of high school choral experience, or with consent from the director. A wide variety of more advanced choral literature is explored as a continuation of Mixed Choir. Students further their development in vocal technique and musical training. Participation in concerts is required and involvement in the solo and ensemble festival is mandatory. Students will also have the opportunity to work with different ensembles, madrigals and show choir to further expand their musical development and experiences. A 15-minute weekly group lesson allows students to work on specific objectives at his/her own level. The choral rehearsals will result in students learning to read music while developing their voice as an instrument. Daily in class participation is required for group and individual progress.

**Prerequisite:** Mixed Choir

### **VOCAL JAZZ/CHAMBER SINGERS – semester course / 0.5 credit / grades 11-12 offering**

This course is an **auditioned** choral music course offering geared for individuals who have demonstrated advanced skills in unaccompanied singing and music literacy. This class is open to 11-12<sup>th</sup> grade, with a minimum of one year experience in the choral program. Music from a variety of genres is explored. Performances include yearly concerts and community events throughout the year. Strong commitment and strict attendance is expected. Participation in the yearly WSMA Solo and Ensemble Festival is required for this course. Many of these members also participate in the yearly musical, which requires additional rehearsal time outside of the school day and evening performances. This class is limited to 12 equal singers (6 male, 6 female). **May be taken first and/or second semester.**

**Prerequisite:** Students must be enrolled in Mixed or Concert Choir

**MUSIC APPRECIATION I or II – semester course / 0.5 credit each / grades 10-12 offering**

For students who are enrolled in a current performing ensemble or consent of instructor.

Students will be introduced to the elements of music, sound, forms, and styles as they survey major composers and their works within western musical tradition. Jazz and Rock music topics will also be discussed. Basic keyboard (piano) will be incorporated into this course. This course will accommodate individual needs within this class whether it is a vocal or instrumental emphasis. A chance to learn secondary instruments is offered. **Students who have taken Music Appreciation I and would like to continue their studies should sign up for Music**

**Appreciation II.**

**Prerequisite:** Students must be concurrently enrolled in any performing ensemble

**MUSIC THEORY – semester course / 0.5 credit / grades 11-12 offering**

For students who are enrolled in a current performing ensemble or consent of the instructor.

Music Theory is offered independently to those students who after high school wish to pursue a career in the music field. This course is highly suggested and will be needed for any college music major. Students are typically tested prior to entering any college music program on these concepts. **INSTRUCTOR'S CONSENT IS REQUIRED.**

**Prerequisite:** Students must be concurrently enrolled in any performing ensemble

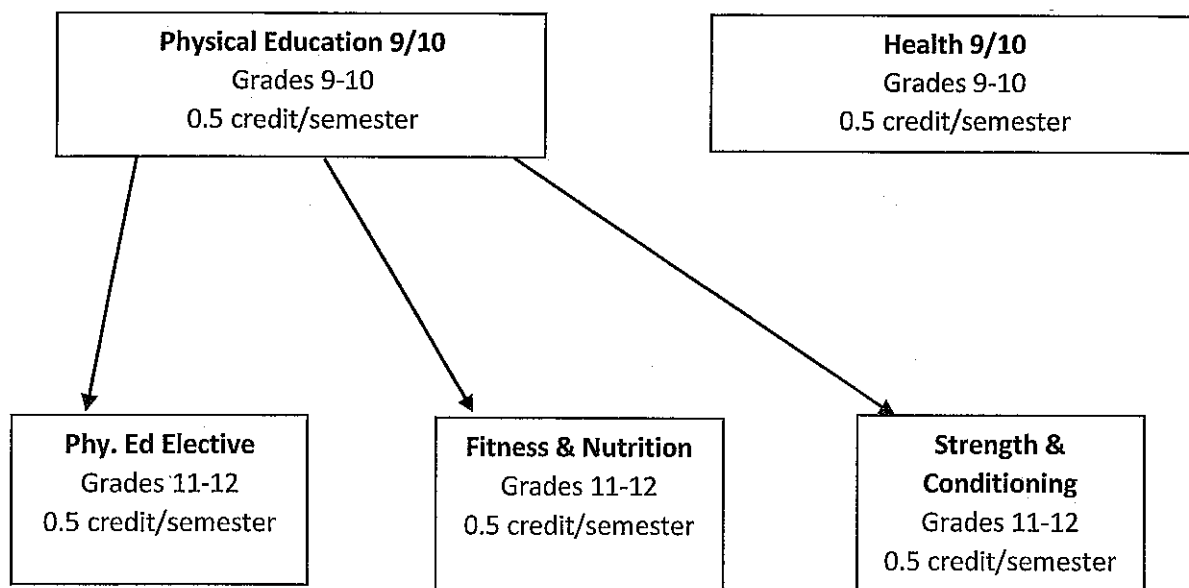
## **PHYSICAL EDUCATION AND HEALTH**

### **GRADUATION REQUIREMENTS:** 2.5 credits

Must include:

1 credit of Physical Education 9/10

1 credit of Health 9/10



## **PHYSICAL EDUCATION**

**Note: A student may take a maximum of 1.0 credit (2 classes) of PE per year or instructor consent needed.**

### **PHYSICAL EDUCATION 9/10 – semester course / 0.5 credit / grades 9&10 requirement**

This course will develop basic skills and strategies, good sportsmanship, citizenship, and safety of students. This will be done in a two-year alternating curriculum consisting of team, dual, and individual sports. Some of the units are repeated both years. We will also introduce and include weekly personal fitness and weight training.

### **HEALTH 9/10 – semester course / 0.5 credit / grades 9&10 requirement**

This course will provide students with current, factual knowledge and skills thereby serving as a basis for living a healthy lifestyle. The emphasis of the course will be to help students accept responsibility for their health, realize its importance, and practice a wellness-oriented lifestyle throughout life.

### **PHY. ED. ELECTIVE – semester course / 0.5 credit / grades 11-12 offering**

This course will include a variety of activities including dual sports, Frisbee, golf, indoor games, indoor/outdoor team sports, softball, jogging, and tennis. Other miscellaneous sports and games may be added to supplement class activities.

**Prerequisite:** 2 semesters of Physical Education 9/10

### **FITNESS AND NUTRITION – semester course / 0.5 credit / grades 11-12 offering**

Fitness & Nutrition is designed to assist students in developing a healthy lifestyle. The primary emphasis of the course is on fitness, as principles of body composition, energy intake and expenditure, and exercise for stress reduction are examined. Students will explore their personal exercise and dietary habits, compare and contrast with current research findings, and develop written goals for improvement. Fitness activities, nutritional food labs, and classroom discussions will assist students in developing a lifestyle conducive to good health and well-being. A \$15 course fee is required for this class.

**Prerequisite:** 2 semesters of Physical Education 9/10

### **STRENGTH AND CONDITIONING – semester course / 0.5 credit / grades 11-12 offering**

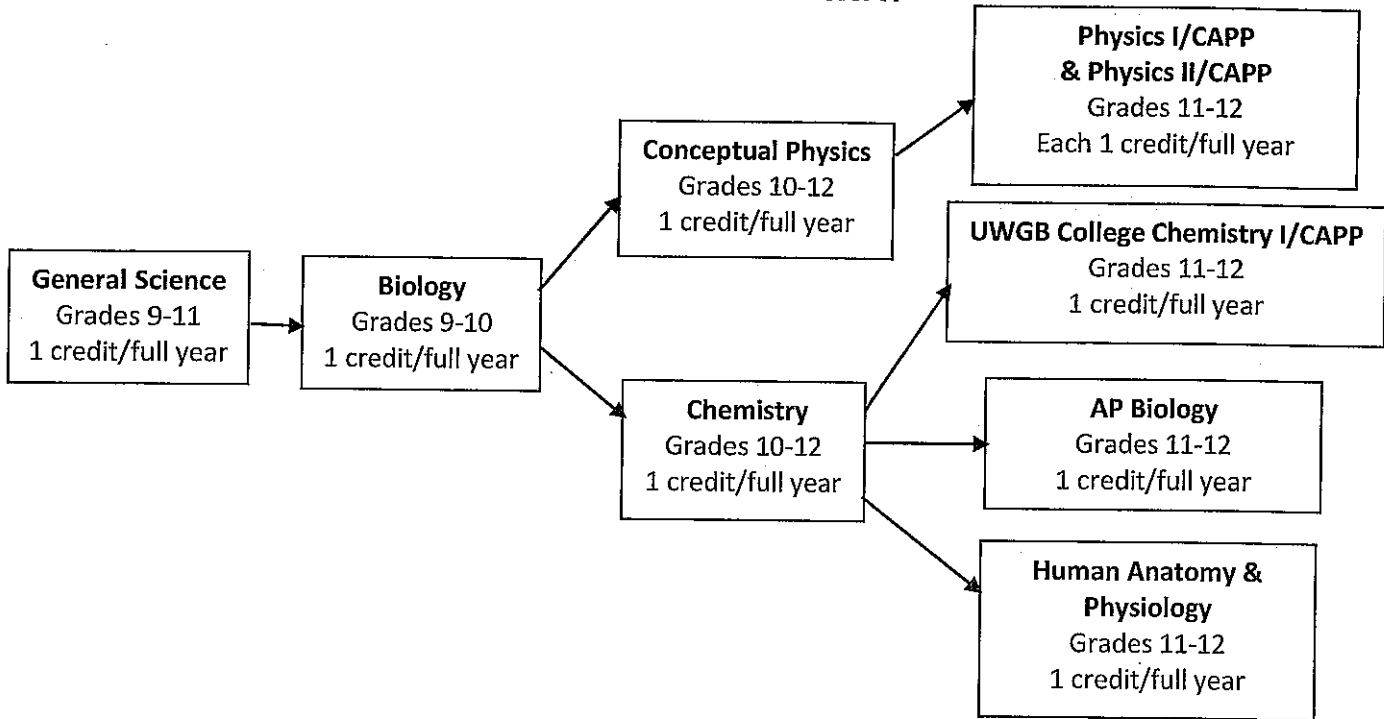
This course is designed to help students start to understand health-related fitness self-efficacy promotion through lifetime physical activity applications. Students will focus on exercise prescription design and goal-setting strategies linked to skill development in strength training and fitness related activities. Students will discover a working knowledge of proper lifting and spotting technique, an understanding of the various types of equipment and modes of strength training. This activity-based course will focus on fitness principle applications as they relate to cardiovascular endurance, muscular strength and endurance, flexibility, and body composition activities.

**Prerequisite:** 2 semesters of Physical Education 9/10

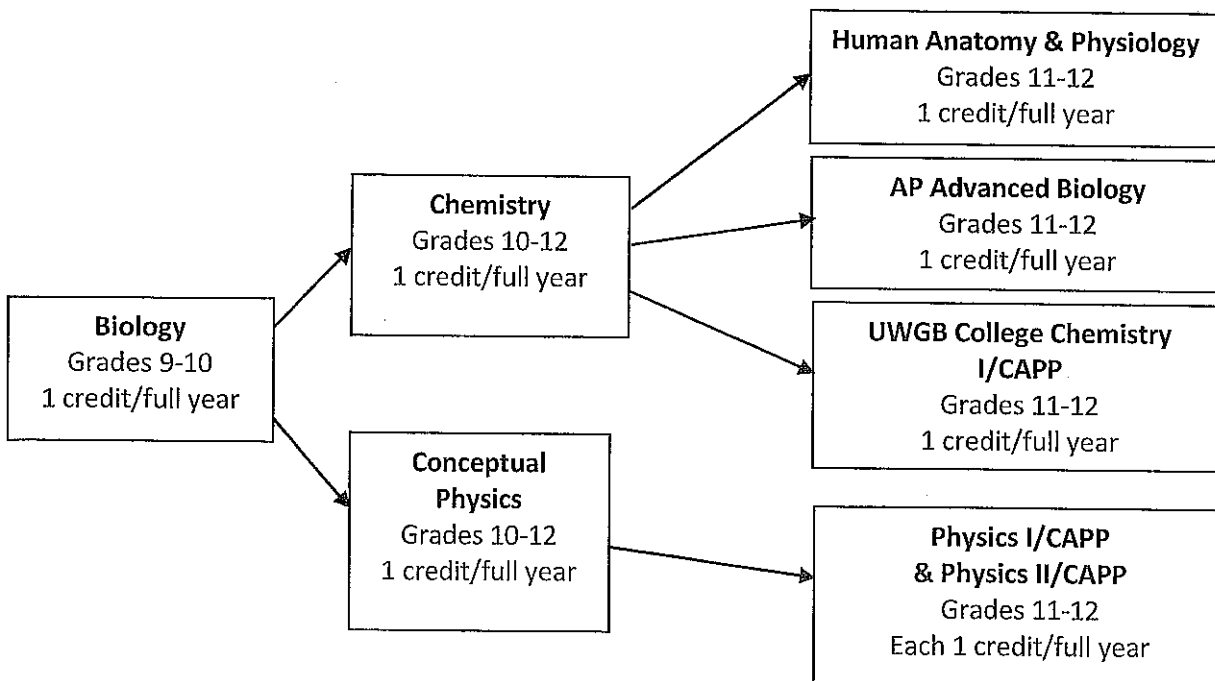
# SCIENCE

**GRADUATION REQUIREMENTS:** 3 Credits (must include 1 credit of Biology)

## GENERAL PATHWAY



## ADVANCED PATHWAY



## **SCIENCE OFFERINGS**

### **BIOLOGY – full year course / 1 credit / grades 9-10 offering / required for graduation**

Biology is a discovery-oriented class where students are expected to search for answers using the scientific method. Student directed discussion and investigation will provide the major mode of instruction. Increasing science background and providing a base in biology will be a course goal but will be secondary to developing student's ability to examine problems critically. Teacher questioning will lead students to their own answers helping them take ownership in biology.

### **CHEMISTRY – full year course / 1 credit / grades 10-12 offering**

This course is designed to acquaint the student with the composition of matter, changes in matter, and the energy associated with these changes. Specific topics include types of matter, methods of measurement, describing matter through formulas and equations, measuring the energy of chemical changes, atomic and molecular structure, periodic table, liquids and solids, concentration of solutions, and reactions occurring in solution. Topics are presented through numerous lab activities. Real world applications of chemical principles are woven into the course.

**Recommendations for this Course:** Strongly recommended if going on to college/needed for entrance into all 4 year colleges, plus 2-year colleges such as UW-Sheboygan. A calculator with scientific notation is required.

### **GENERAL SCIENCE – full year course / 1 credit / grades 9-11 offering**

This course is designed to introduce students to a range of Science topics, including Chemistry, Earth Science, and Physics. This course is appropriate for college or technical bound students.

### **AP BIOLOGY – full year course / 1 credit / grades 11-12 offering**

Advanced Biology provides those students who are above average in ability and interest in the required course of Biology, with the opportunity to extend their knowledge in this field. This class offers a continuation and enrichment of the required Biology class. Emphasis is placed on current knowledge and breakthroughs in the biological sciences through various lab experiences. The main focus of the course is to examine the characteristics shared by all living organisms (unity). We will be studying basic chemistry/biochemistry, cells, and cell structure, cell respiration, photosynthesis, cell division (mitosis and meiosis), Mendelian genetics, biotechnology/cell technology, and evolution.

Advanced Biology (CAPP) may be taken as a CAPP (College Advanced Placement Program) course allowing the students to receive college credit for Biology 105 through the University of Wisconsin Oshkosh. There is a fee to receive CAPP credit.

**Prerequisite(s):** Biology and Chemistry

### **UWGB COLLEGE CHEMISTRY/CAPP – full year course / 1 credit / grades 11-12 offering**

This course is designed to be the equivalent of the general chemistry course taken during the first college year. The course will provide an in depth understanding of chemistry and measurement; atoms, molecules, and ions; chemical formulas, equations, and reactions; gaseous state; thermochemistry; quantum theory of the atom; electron configurations and periodicity; ionic and covalent bonding; molecular geometry and chemical bonding; and states of matter; liquids and solids.

**Prerequisite:** Chemistry

**Recommendations for this Course:** Strong math background

### **CONCEPTUAL PHYSICS – full year course / 1 credit / grades 10-12 offering**

This course is a prerequisite for CAPP Physics I & II and CAPP Calculus. This course is designed to provide all students with the opportunity to develop and deploy models of physical systems. It is a conceptual modeling physics course where students will focus on comprehending the basic concepts of physics while using models they have developed to guide their thinking. Students will spend their class time learning how to seek answers to questions by measuring physical quantities, performing experiments, and analyzing data graphically. Students will have the opportunity to explore physics concepts by observing experiments conducted in real-time with the use of a computer and microcomputer-based laboratory tools (probes and sensors). Students will demonstrate their understanding of physics concepts and models by taking objective test, writing lab reports, completing model application labs, solving problems, and building hands-on projects. The course will focus on Mechanics using the Modeling Method.

### **HUMAN ANATOMY & PHYSIOLOGY – full year course / 1 credit / grades 11-12 offering**

Anatomy and Physiology is a course that will enable students to develop an understanding of the relationships between the structure and functions of the human body. Students will also learn the mechanisms for maintaining homeostasis within the human body. This course is intended for students who have an interest in the human body and potentially the pursuit and a health/medical degree. This course is preparation for advanced biological studies, biomedical nursing, and other science based careers. This course will involve laboratory activities, dissections, lectures, projects, textbook materials, models, diagrams, and clinical studies.

**Prerequisite:** Biology and Chemistry

**PHYSICS I/CAPP - (Mechanics)**

**Physics II/CAPP - (Waves & Light plus Electricity)**

**full year course / 1 credit / grades 11-12 offering / may take just Physics I or just Physics II**

Physics I and Physics II may be taken as CAPP (College Advanced Placement Program) courses allowing the student to receive college credit for both Physics I and Physics II through UW-Oshkosh or Lakeland University. Unlike AP courses, CAPP courses award students full-fledged university credit on an official UW-Oshkosh or Lakeland University transcript, based on their course grade, putting them a step ahead upon graduation.

Students can take just Physics I or just Physics II for one credit or both courses for two credits in any order.

Physics I (CAPP) and Physics II (CAPP) are designed to provide all students with the opportunity to develop and deploy models of physical systems. They are advanced mathematical modeling physics courses where students will focus on developing an in-depth understanding of the basic concepts of physics while using models, they have developed to guide their thinking. These are active learning microcomputer-based physics courses where all students will have the opportunity to learn how to make real-time measurements with computer interfaced probes and sensors. Students will spend most of their class time investigating specific physical phenomena by making accurate observations, searching for patterns within those observations graphically, and presenting their results for scientific debate. The scientific models developed by students, along with Socratic guidance from their instructor, will help students confront their own misconceptions about the physical world and replace them with the correct Newtonian concept.

Students will learn how to determine functional relationships between dependent and independent variables by analyzing data graphically. Students will learn how to use a graphing calculator to model physical phenomena and make accurate predictions that they can test in the laboratory. Students will learn how to use individual whiteboards to present their scientific models to the rest of the class for collaborative review and discussion.

- Physics I will focus primarily on developing models for constant and changing particle motion and storage and transfer of energy (Mechanics Models).
- Physics II will focus primarily on developing models for mechanical waves and light (particle, wave, and quantum models) plus electricity models.

**Prerequisite(s):** **Conceptual Physics** and Algebra II (or consent from instructor)

Recommendations for this course:

- Strong mathematical background including Pre-Calculus
- Graphing Smartphone APP or Calculator
- Highly recommended for any student pursuing a career in the physical sciences or engineering.

## **SOCIAL SCIENCE OFFERINGS**

**GRADUATION REQUIREMENTS:** 3 credits

Must include 1 credit of U.S. History (grade 11) and 0.5 credit in American Government (grade 12).

**Geography**

Grade 9 offering  
0.5 credit/semester

**World History**

Grade 10 offering  
1 credit/full year

**AP Psychology**

Grade 11-12 offering  
1.0 credit/full year

**US History**

Grade 11 offering  
1 credit/full year

**American Government**

Grade 12 offering  
0.5 credit/semester

**Social Problems**

Grade 12 offering  
0.5 credit/semester

## **SOCIAL SCIENCE OFFERINGS**

### **WORLD GEOGRAPHY – semester course / 0.5 credit / grade 9 offering**

The course deals with a number of aspects of geography. The Earth's land, water, air and weather, along with our natural resources concerning energy are considered. A secondary emphasis is placed on developing and interpreting maps, tables, graphs and charts relating to the 5 Themes of Geography. A third emphasis will be on the Human and Cultural aspects of selected regions of the world.

### **WORLD HISTORY – full year course / 1 credit / grade 10 offering**

This course is a survey study of the history of man from the prehistoric period to the present. This course will cover the elements necessary for civilization to arise, as well as compare and contrast how different civilizations developed. This course will study the social, political and geographical forces that have created change throughout human history. Through the study of world history, the students will develop their cognitive and analytical skills to help them become constructive citizens in our society.

### **U.S. HISTORY – full year course / 1 credit / grade 11 requirement for graduation**

The study of American History will provide the student with an understanding of the historical development of the United States. Students will gain an understanding of the democratic ideas which have helped to form the American government and way of living from colonial times to the present. Students will also gain an appreciation for the ways in which our unique American culture has developed. Students will be able to see and understand how the events and developments of the nation's past have come to influence its present and will continue to influence the future. They will also acquire a lasting interest in human society which will lead in turn to their effective participation in American society as adults.

### **SOCIAL PROBLEMS – semester course / 0.5 credit / grade 12 offering**

The purpose of this class is to help the senior student try to understand the differing viewpoints of the various social issues of the day so that he/she can participate responsibly and effectively as an American citizen. Topics covered will include poverty, racism, gender, age inequality as well as crime and criminal justice and regular current event work and discussions.

### **AMERICAN GOVERNMENT – semester course / 0.5 credit / grade 12 requirement for graduation**

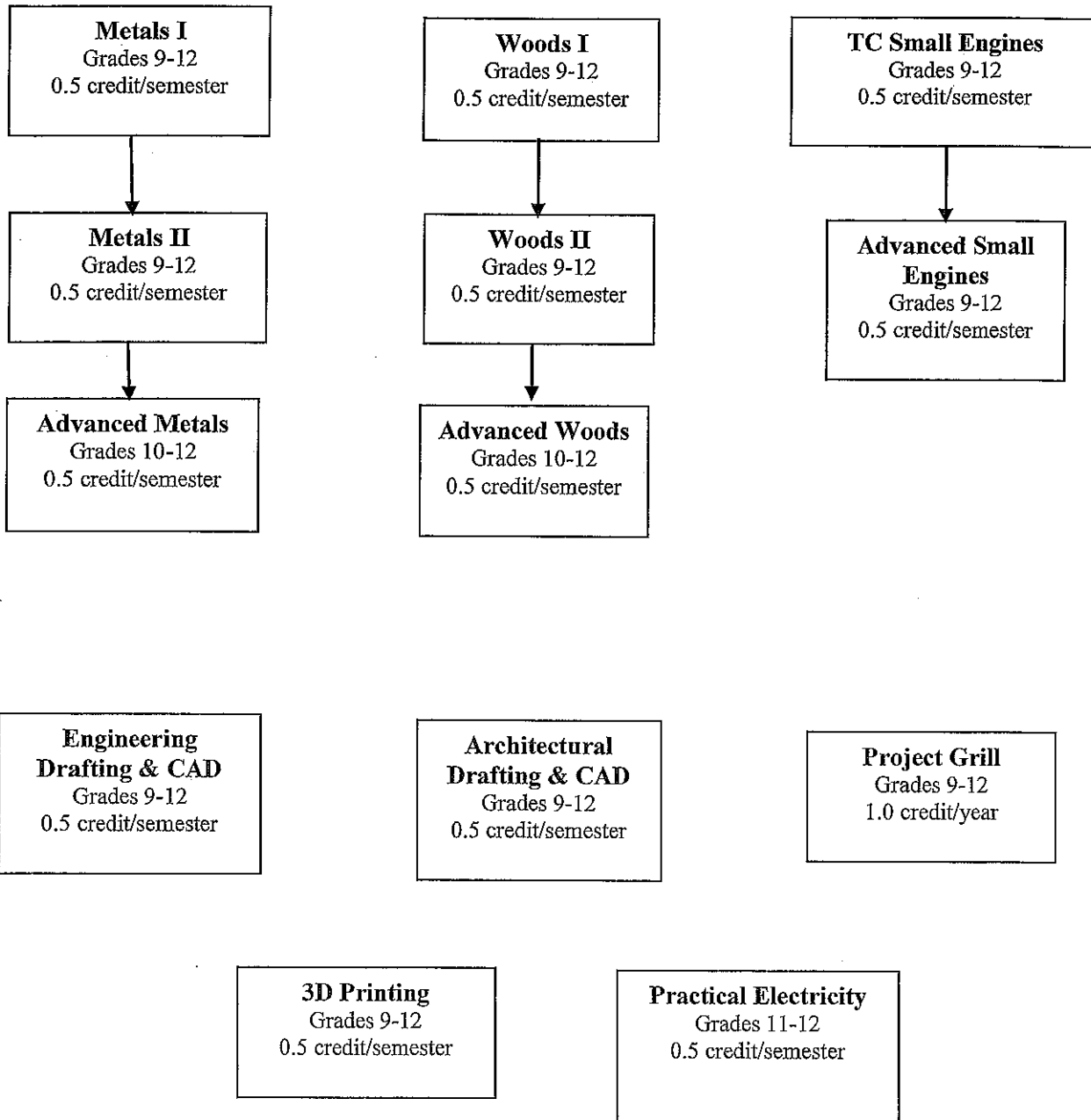
American Government is a study of the formal structure of government (executive, legislative and judicial) and the relationship between the national, state, and local governments. Students will develop an understanding of the law making and amending process, as well as interpreting the Constitution through the review of challenges to the Constitution. The philosophy of our democratic process, the role and function of political parties, the growth of government, and the rights obligations of citizens will be thoroughly explored.

### **AP PSYCHOLOGY – full year course / 1.0 credit / grade 11-12 offering**

Want to know what is going on inside that brain of yours? Then Intro to Psychology is the course for you. This course teaches the fundamentals of Psychology (study of human behavior). Students will learn to understand more about the behaviors of others and themselves by learning how humans interact, develop, learn, and think. Other topics covered in this course are research basics, human behavior, the nature of substance addictions, memory and intelligence, and developmental psychology. Small experiments, studies, tests, and observations will be conducted in class.

## **TECHNOLOGY EDUCATION**

**GRADUATION REQUIREMENTS:** Credit earned may be applied toward Career & Technical Education (vocational) credit.



## **TECHNOLOGY EDUCATION OFFERINGS**

### **METALS/MANUFACTURING I – semester course / 0.5 credit / grades 9-12 offering**

Students will complete a series of projects designed to introduce them to the materials, processes and techniques used in metal fabrication. Physical properties, joining, cutting and finishing processes will be explored. Processes will include welding using SMAW, GMAW and GTAW, Oxyacetylene and Plasma torch, sheet metal, annealing, hardening, and finishing.

A \$25 course fee is required for this class.

### **METALS/MANUFACTURING II – semester course / 0.5 credit / grades 9-12 offering**

Students will extend the abilities, skills, and processes introduced in Metals/Manufacturing I and introduce machining and advanced TIG/MIG welding techniques. Students will complete a project of greater technical difficulty than Hard Materials 1.

**Prerequisite:** Metals/Manufacturing I

A \$25 course fee is required for this class.

### **ADVANCED METALS – semester course / 0.5 credit / grades 10-12 offering**

Students will extend the abilities, skills, and processes used in Metals/Manufacturing I and II. Advanced CNC machining will be a portion of this class. A main emphasis of this course will be completing an advanced project of the student's choice.

**Prerequisite:** Metals/Manufacturing II and instructor consent

A \$25 course fee is required for this class.

### **TC SMALL ENGINES – semester course / 0.5 credit / grades 9-12 offering**

This course will study the design and the principles of operation of internal combustion engines. The disassembly, precision measurement, wear analysis, and assembly of 2 and 4 stroke cycle engines are emphasized. The lubrication, cooling, ignition, and carburetion systems will also be covered.

A \$20 course fee is required for this class.

### **ADVANCED SMALL ENGINES – semester course / 0.5 credit / 9-12 offering**

This course will study the diagnosis, service and repair of internal combustion engines. Students will have the option to provide their own engine unit for the class. Each piece of equipment serviced will count towards the final grade. During the course, if a student completes a piece of equipment, they will begin another, and so on until the end of the course. Student equipment must be approved by the instructor before it is brought in. If a student cannot provide equipment, it will be furnished by the instructor.

**Prerequisite:** Small Engines and instructor consent

A \$20 course fee is required for this class.

### **WOODS I – semester course / 0.5 credit / grades 9-12 offering**

The main focus of this course is to introduce the materials, processes and techniques used in the fabrication of wood and thermoplastic products. Physical properties, compatibility of materials, joining, cutting and finishing processes will be explored. Large power tools, operation and safety will be the main emphasis of the woods portion. Project design and a project are also stressed.

A \$25 course fee is required for this class.

### **WOODS II – semester course / 0.5 credit / grades 9-12 offering**

Students will extend their knowledge and skills acquired in Woods I. Main emphasis in the woodworking will focus on cabinet making including the study of doors, and drawers. Thermoplastic fiberglass and polyester resin techniques, and laminar gluing techniques will also be studied. Project work will include the building of a night stand with doors and drawers or other related furniture.

**Prerequisite:** Woods I

A \$25 course fee is required for this class.

**ADVANCED WOODS – semester course / 0.5 credit / grades 10-12 offering**

The main focus of this course is to extend the knowledge and skills acquired in Woods II. Students will design and complete a project of greater technical difficulty than Woods II. Students will construct a project of their own choosing.

**Prerequisite:** Woods II and instructor consent

A \$25 course fee is required for this class.

**PROJECT GRILL – full year course / 1.0 credit / grades 9-12 offering**

This class will explore all the aspects of designing, marketing, and fabricating a showcase grill for the Sheboygan County Project Grill program. Students will perform different tasks within the class and will be responsible for presenting and organizing their grill proposal. Students will also be responsible for the design and construction of their grill. Roles will be assigned according to student interests and strengths.

**ENGINEERING DRAFTING & CAD – semester course / 0.5 credit / grades 9-12 offering**

This course will review the orthographic projection, isometric, and oblique drawings. Engineering and three dimensional drawings will be created using the Inventor. Students will apply the drawing of orthographic projection, isometric, and pictorial 2D and 3D drawings (oblique) using the Inventor. Students will also explore designing using solid modeling. Students will learn how to setup, draw with Inventor as well as gain an extensive understanding and application of Inventor functions.

**ARCHITECTURAL DRAFTING & CAD – semester course / 0.5 credit / grades 9-12 offering**

This course will review architectural drawing using Revit. Students will learn how to create plots, elevations and floor plans. Special emphasis will be placed on making drawings that meet state building code requirements. Additional topics for study will include plumbing, electrical, and door/window plan sheets. For a final project, students will design, populate and render a two story dwelling of their choosing (that meets assigned guidelines).

**3D PRINTING – semester course / 0.5 credit / grades 9-12 offering**

This course will study the design, creation, and modification of 3D objects. Students will utilize the Inventor, Tinkercad, and Fusion 360 to design and modify existing designs. Special emphasis will be given to testing the designed objects once they have been printed. Creating tangible solutions to real needs and problems will be the basis of several units. Setting up and operating the 3D printing machines will also be covered.

**Prerequisite:** Engineering Drafting & CAD

**PRACTICAL ELECTRICITY – semester course / 0.5 credit / grades 11-12 offering**

This course will focus on providing the basic, essential information about the tools, materials, equipment, and processes encountered in the residential electrical trade. Personal protection, safety of wiring installation, and equipment protection are highlighted.

A \$20 course fee is required for this class.

## **WORK EXPERIENCE PROGRAM OFFERINGS**

### **Youth Co-Op Program (Coordinated through InspireWI)**

Grades 11-12

Summer and semester placements available in the following areas:

**Manufacturing/Engineering/Automotive  
Healthcare  
Hospitality  
Business & Finance**

Students receive a 9-week rotational training experience under direct supervision of a mentor to gain introductory understanding of a chosen industry.

Students work 2 hours per day.  
Experiences are PAID.

### **School-to-Work (STW) Program**

Grades 11-12

Open to approved students who have secured employment in a company related to their career pathway. Employment schedule, expectations, and hours requirements will be agreed upon between the school, the student, and the employer.

### **Teacher Aide Program**

Grades 11-12

Open to approved students who have an interest in a career in the education field or related career experience. Placements available at Northview Elementary, HG Middle School, and HGHS.

### **Youth Apprenticeship Program (Coordinated through CESA 7)**

Grades 11-12

Year-long, half day program providing training based on state-wide youth apprenticeship curriculum guidelines. Students work in designated job with a participating employer/mentor. Experiences are GRADED and PAID.

Positions are available in the following Career Pathways:

#### **Agriculture, Food & Natural Resources**

(Arborist, Animals, Landscaping, Dairy, Crops)

#### **Architecture/Construction**

(Electrical, Plumbing, Carpentry, HVAC, Heavy Equipment)

#### **Arts, AV Technology & Communications**

(Graphic Design, Media Broadcast Tech)

#### **Business, Management & Administration**

(Human Resources, Administration Professional)

#### **Education & Training**

(Early Childhood, School Age Childhood Assistant)

#### **Finance**

(Accounting, Banking, Insurance)

#### **Government and Public Administration**

#### **Health Sciences**

(Nursing Assistant, Pharmacy Tech, Dental Assistant)

#### **Hospitality, Lodging & Tourism**

#### **Human Services**

(Cosmetology)

#### **Information Technology**

#### **Law, Public Safety, Corrections & Security**

#### **Manufacturing**

(Assembly/Packing, Industrial Maintenance, Machining, Welding, Production Operations/Quality Assurance)

#### **Marketing**

(Marketing Communications, Sales, Merchandising)

#### **STEM**

(Science, Technology, Engineering, Math - Mechanical Drafting, Bioscience)

#### **Transportation, Distribution & Logistics**

(Auto Collision, Auto Technician, Supply Chain Management)

## WORK EXPERIENCE PROGRAMS

**Work Experience Programs** - Work Experience programs are designed to provide juniors and seniors with a supervised work experience that will enable them to develop employability skills and to work in a job related to their career pathway. All of these programs include release time from school for the student to go to work. Students must apply for, be interviewed, and accepted into each these programs.

**Please contact the High School Counselor for more information about any of these programs.**

The following Work Experience Programs are currently offered at Howards Grove High School:

### **Youth Apprenticeship (YA) Program (Coordinated through CESA 7):**

- The YA Program integrates school-based and work-based learning to instruct the student in employability and occupational skills. Local employers provide training based on state-wide youth apprenticeship curriculum guidelines that are endorsed by both business and industry.
- Students in YA work 15-20 hours each week with a participating employer under the supervision of a skilled mentor. Students must complete 450 hours of work per academic year.
- Students in YA are required to take at least one related instructional class through the program each semester. Students can choose between an LTC course or a related course taught at HGHS. Students can take up to 3 credit hours at LTC under per semester under the YA program guidelines. Courses can be completed during daytime or evening hours.
- Students in YA are required to complete academic classes at HGHS that are needed to meet HGHS graduation requirements.
- **Typical YA Schedule:** YA students spend one-half of the school day at HGHS and one-half of the day at work. The schedule is coordinated with cooperation from employer and High School Counselor.
- Students will apply, be interviewed and if granted acceptance into the program, will be required to adhere to the guidelines and requirements of the YA Program.
- Upon successful completion of the program, student will receive a Certificate of Occupational Proficiency from the Wisconsin Department of Workforce Development.
- Students are graded quarterly through the YA Program based on an agreed upon rubric set forth by CESA 7 and Howards Grove High School. All grades count towards HS credit and are listed on the student's transcript.

### **Youth Co-op Program (Coordinated through Inspire WI):**

- The Cooperative Education Program is a work-based learning opportunity that links classroom instruction with "real world" work experience in related occupations.
- The Co-op Program provides on the job training and evaluation through carefully planned and supervised experiences that develop, improve, and refine occupational competencies required for a given career. These experiences are more exploratory in nature.
- Co-op Programs are available in summer, semester, or year-long placements.
- Students in the Co-op Program will be hired by a participating employer for a minimum of 2 hours daily (10 hours weekly). These are PAID positions.
- Students will rotate throughout the employer to different positions within the company.
- Cooperative Opportunities are available in the following areas:  
Manufacturing/Engineering/Automotive, Healthcare, Hospitality, Business & Finance.
- Students will receive a Pass/Fail grade per semester.

**School to Work (STW) Program:**

- The School-to-Work (STW) Program is for students interested in a work-based experience not offered through YA or Co-op.
- Students participating in this program will secure employment with a company related to their desired career pathway. HGHS is able to assist in placement of student if needed.  
\*\*\*Adequate Planning is needed to prepare for a placement within community
- Students will apply and be accepted by a staff committee. Strong attendance and classroom behavior is required for admittance to the program.
- Students will complete 60 hours of work per (.5) credit. Maximum of 2 credits can be earned each semester.
- Students will complete regular work reports and timecards.
- Employment hours, expectations, and timelines will be established between the students, the employer, and the STW Coordinator.
- Students will receive a Pass/Fail grade per semester.

**Teacher Aide (TA) Program:**

- Teacher Aide opportunities are available for students interested in a future career in the education pathway (or related career fields).
- Students can choose between Northview, Middle School, or High School classroom placement.
- Students must complete the application and approval process outlined by the school.
- Placement is done based off building Principal and School Counselor discretion and approval and must coordinate with the classroom teacher and student schedule.
- Students must complete training at the start of the school year and participate in classroom teacher evaluation for skill development.
- Students will receive a Pass/Fail grade per semester.