



DODGELAND SCHOOL DISTRICT

High School Course Offerings

2020 - 2021

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GRADUATION REQUIREMENTS

In order to be awarded a high school diploma, a student must earn a *minimum* of 26 credits in grades 9-12. High school courses taken during middle school are not applicable toward the 26 credit requirement.

It is the responsibility of each student to be certain that she/he has the correct amount of credits in order to graduate.

Required Courses	Class of 2019 and beyond
English	4 credits Including: 9th – English 1 (1 cr) 10th - English 2 or equivalent (1 cr) 11th - English 3 or equivalent (1 cr) 12th - English 4 or equivalent (.5 cr) (or equivalent) 1 Elective - (.5 cr)
Math	3 credits Including Algebra (1 cr) Geometry (1 cr) 1 Elective (1 cr)
Social Studies	3 credits including 9th - World History and Cultures (1 cr) 10th - US History (1 cr) 11th - Civics (.5 cr) 1 Elective - (.5 cr) Pass CIVICS test (65% or higher)
Science	3 credits including Life Science (1 cr) Physical Science (Chemistry or Physics) (1 cr) Elective (1 cr)
Physical Education	1.5 credits including 9th - PE 9 (.5 cr) 10th - PE 10 (.5 cr) 11th/12th PE Elective (.5 cr)
Health	.5 credit
Financial Literacy	.5 credit either (11th/12th) Personal Financial Management Foundations of Economics
Electives	10.5 credits
Total Credits	26

Substitution of any required courses in order to accommodate students with exceptional education interest, needs, or requirements, or who are classified "at-risk" will need administrative approval and become a part of the student's permanent records.

COURSE SELECTIONS

Students should make thoughtful decisions on their course selections throughout their high school career. Students are encouraged to research the college admission requirements to help them with their course selections. Information is available in the Student Development Center. In addition, students should be discussing their choices with their parents and teachers. SENIORS who have applied to any university are highly encouraged to discuss the change with the admission office of that campus. It is possible for the university to rescind its decision based upon the schedule change.

PLEASE BE AWARE WHEN MAKING YOUR COURSE CHOICES THAT FEES ARE REQUIRED TO PARTICIPATE IN CERTAIN CLASSES.

COLLEGE ENTRANCE REQUIREMENTS

Students who plan to enter college should keep in mind that their graduation from high school does not guarantee admittance to college. High School graduation requirements may not meet the admission requirement of the university. It's important to take more than the minimum credits needed for high school graduation. Colleges have specific entrance requirements that vary from college to college and major to major. Students who plan to go to college should talk to their school counselor early in their high school career to be sure the proper courses are chosen to prepare for entrance into college.

University of Wisconsin System Credit Requirements:

All University of Wisconsin System institutions (two and four year campuses) require a minimum of 17 high school credits distributed as follows:

- English- 4 credits
- Mathematics- 3 credits or more (through Algebra II)
- Social Studies- 3 credits
- Science- 3 credits or more
- Other Elective Credits- 4 credits*
- World Language- 2 credits or more
(UW-Madison and UW-Eau Claire require a **minimum** of 2 years of the same language.)

*Elective credits may be chosen from the college preparatory areas such as world language, fine arts, computer science, and other academic areas. Some UW System institutions will accept vocational courses for some of these elective credits, but students should check with the specific campus for their requirements.

ALWAYS CHECK THE CAMPUS OF CHOICE FOR THEIR SPECIFIC ADMISSION REQUIREMENTS.

Technical College Entrance Requirements

Most technical colleges have an open door policy making all students with a high school diploma eligible for admission. However, technical colleges have increased the academic expectations to meet the demands of the workforce. Some programs have specific requirements for admission. Students are generally admitted on the promptness of their application. Several programs in the technical college system have waiting lists. Technical colleges have their own admission tests similar to the ACT. With the changes in state law, the technical colleges are considering using the ACT scores specifically in Reading, Writing, and Mathematics to determine immediate entrance into popular programs of study. Students should check the admission requirements and program requirements early in their high school career.

AGRICULTURE, FOOD & NATURAL RESOURCES

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE/NOTES
AG3331 & AG3332	Agriculture Survey	9,10	.5	1st	
AG2001	Small Animal Care	9,10	.5	2nd	
AG2052	Horticulture-ES TC (Science elective credit)	10,11,12	.5	2nd	Transcripted with LTC
AG2053	Landscaping	10,11,12	.5	1st	
AG2085	Large Animal Science - TC	10,11,12	.5	2nd (Odd years)	Transcripted with LTC Offered 2020-2021
AG2087	Crops and Soil Science TC	10,11,12	.5	1st or 2nd	Transcripted with LTC
AG2215	Wildlife and Natural Resources Management	10,11,12	.5	1st (Even years)	Offered 2021-2022
AG1605	Dairy Science	10,11,12	.5	2nd (Even years)	Offered 2021-2022
AG1701	Food Science - ES (Science elective credit)	10, 11, 12	.5	1st or 2nd	
AG1801	Forestry and Sustainability-ES (Science elective credit)	10, 11, 12	.5	1st (Odd years)	Offered 2020-2021
AG2113	Veterinary Science-ES (Science elective credit)	11,12	.5	1st	Pre: Small Animal Care, Large Animal Science, or Dairy Science
AG2105	Agribusiness Management and Marketing	10, 11,12	.5	1st or 2nd (Odd years)	Offered 2020-2021
AG1901 & AG1902	AP Environmental Science-ES (Science elective credit)	11, 12	1	Year	
AG2103	Agriculture Communications and Issues	10, 11,12	.5	1st or 2nd (Even years)	Offered 2021-2022

ART (Fee per semester required per course**)

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
AR2021	Pottery**	9,10,11,12	.5	1st	
AR2032	Advanced Pottery**	9,10,11,12	.5	2nd	Pottery with grade of B or higher
AR2071 & AR2072	Advanced Work on Pottery Wheel**	10,11,12	.5	Prefer year ½ year acceptable	Pottery & Advanced Pottery with grade B or higher
AR2081	Drawing**	*9, 10,11,12	.5	1st	*9th Grade with Instructor's consent
AR2082	Advanced Drawing**	9, 10,11,12	.5	2nd	Drawing with grade B or higher or Instructor's consent
AR2052	Painting**	10,11,12	.5	2nd	Drawing with grade B or higher or Instructor's consent
AR2041	Sculpture**	9,10,11,12	.5	1st	

AR2011 & AR2012	Decorative Arts**	9,10,11,12	.5	1st and/or 2nd	
AR2061 & AR2062	Studio Art Foundation**	9,10,11,12	.5	1st and/or 2nd	
AR1611 & AR1612	Arts and Ideas**	11,12	.5	Prefer year	Instructor's Consent

BUSINESS AND INFORMATION TECHNOLOGY

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
BE2201 & BE2202	Computer Applications I	9,10,11,12	1	Year (Odd Years)	Offered 2020-2021
BE2062	Web Page Design	9, 10,11,12	.5	1st or 2nd (Even Years)	Offered 2021-2022
BE2231 & BE2232	Introduction to Business	9,10,11,12	.5	1st or 2nd	
BE2151 & BE2152	Personal Financial Management	11,12	.5	1st or 2nd	Meets Financial Literacy Requirement
BE2071 & BE2072	Accounting I	9, 10,11,12	1	Year (Odd Years)	Offered 2020-2021
BE2161 & BE2172	Accounting II	10, 11,12	1	Year (Even Years)	Prereq: Accounting I Offered 2021-2022
BE2251	Computer Programming, Coding, and App Development	10,11,12	.5	1st or 2nd	
BE2252	Introduction to Computer Hardware	9,10,11,12	.5	1st or 2nd (Odd Years)	Offered 2020-2021
BE2262	Entrepreneurship	9,10,11,12	.5	1st or 2nd (Even Years)	Intro. To Business Offered 2021-2022
BE2265	College 101 & Computer Literacy	12	.5	1st or 2nd	3 MPTC Credits**
BE2270	Sports and Entertainment Management	10, 11, 12	.5	1st or 2nd (Odd Years)	Offered 2020-2021
BE2272	Leadership Skill Development	10, 11, 12	.5	1st or 2nd	Instructor's Consent
BE2268 & BE2269	AP Computer Science A	11, 12	1	Year (Odd Years)	Offered 2020-2021

ENGLISH

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
EN2013 & EN2014	English 1	9 Required	1	Year	
EN2015 & EN2016	Literacy Lab	9 and/or 10	.5 per Sem	1st and/or 2nd	Assigned- Does not count as an English Credit - counts as Elective Credit (P/F)
EN2017 & EN2018	English 2	10 Required	1	Year	English 1
EN2019 & EN2020	Literacy Lab 2	10, 11, 12	.5 per Sem	1st and/or 2nd	Assigned - Does not count as an English credit - counts as an Elective Credit (P/F)

EN2045 & EN2046	English 3	11 required	1	Year	English 2
EN2023 EN2024	English 4	12 required	.5	1st or 2nd	English 3
EN2027 EN2028	Advanced Literary Interpretation	10,11, 12	1	Year	Instructor's consent
EN2101	Creative Writing	10, 11, 12	.5	1st or 2nd	English 1
EN2025 EN2026	Advanced American Literature	11, 12	1	Year	Instructor's consent
EN2033	Literature and the Arts	11, 12	.5	1st or 2nd	English 2
EN2035	Science Fiction and Fantasy ELA	11, 12	.5	1st or 2nd	English 2
EN4031 & EN4032	AP English Literature and Composition	12	1	Year	Instructor's consent

INTERDISCIPLINARY

ACADECA	Academic Decathlon	11, 12	.5	1st	Instructor Approval grades 9, 10
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MATH

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
MA2011 & MA2012	Algebra I	9 Required	1	Year	Math 8
MA2021 & MA2022	Geometry	9,10,11 Required	.5 per Sem	Year	Algebra I
MA1033 MA1034	Math Seminar	10, 11, 12	.5 per Sem	As needed	Does not count as Math Credit (will count as an elective) (P/F)
MA2031 & MA2032	Algebra II	10,11,12	1	Year	Algebra I & Geometry
MA1025 & MA1026	Advanced Algebra II	10,11,12	1	Year	Geometry and Pass Entrance Exam with 85%
MA4501 & MA4502	Probability and Statistics	11, 12	1	Year	Grade of B or better in Algebra II and Instructor's consent (Weighted Grade Scale)
MA2041 & MA2042	Pre-Calculus	11,12	1	Year	Grade of B or better in Advanced Algebra II and Instructor's consent (Weighted Grade Scale)
MA1027 & MA1028	Intermediate Algebra	11,12	1	Year	Algebra II
MA4011 & MA4012	AP Calculus	12	1	Year	Pre-Calculus and Instructor's consent

MUSIC

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
MU2011 & MU2012	Band	9,10,11,12	1	Year	Middle School Band
MU2061 & MU2062	Vox (A days)	9,10,11,12	.5	Year	
MU2071 & MU2072	Canto Bello (B days)	9,10,11,12	.5	Year	Must audition
MU2043	On Stage and Behind the Scenes	9,10, 11,12	.5	1st	Instructor's Consent

PHYSICAL EDUCATION

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
PE2011 & PE2012	Physical Education 9	9 Required	.5	1st or 2nd	
PE2031 & PE2032	Physical Education 10	10 Required	.5	1st or 2nd	
PE2041 & PE2042	Health 10	10 Required	.5	1st or 2nd	
PE2051 & PE2052	Life Activities	10,11,12	.5 per Sem	1st and/or 2nd	Successful completion of PE 9-10
PE2061 & PE2062	Personal Fitness	10,11,12	.5 per Sem	1st and/or 2nd	Successful completion of PE 9-10 or Life Activities
PE2071 & PE2072	Advanced Personal Fitness	10,11,12	.5 per Sem	1st and/or 2nd	Successful completion of Personal Fitness
PE2081 & PE2082	Total Body Challenge	11,12	.5 per Sem	1st or 2nd	Successful completion of PE 9-10
PE2091	Officiating 101	11,12	.5	1st	Passion for sports
PE2101	Stress Management	11, 12	.5	2nd	Health 10

SCIENCE

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
SC2021 & SC2022	Biology	9 Required	1	Year	
SC2041 & SC2042	Chemistry	10 Required	1	Year	
SC1081 SC1082	General Chemistry-TC	10, 11, 12	1	Year	Algebra II with "C" or better and Instructor's Consent Transcripted credit with MPTC
SC2031 & SC2032	Physics	11,12	1	Year	Algebra and Geometry Co-Requisite Algebra II

SC2091 & SC2182	Genetics	11,12	.5	Sem	Biology with a "C" or better
SC3025 & SC3026	Human Anatomy & Physiology	11,12	1	Year	Biology with "A" or "B," Chemistry recommended
SC4031 & SC4032	AP Chemistry	11,12	1	Year	General (or Advanced) Chemistry or Instructor's Consent; Pre-Calculus as a Pre- or Co-requisite
SC1041	Earth Science	11, 12	.5	Sem	
SC1061	Forensic Science	11, 12	.5	Sem	"C" or better in Biology and Chemistry; Physics suggested
SC1051	Astronomy	11, 12	.5	Sem	
SC1071	Biotechnology	11, 12	.5	Sem	"C" or better in Biology and Chemistry

SOCIAL STUDIES

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
SS1621 & SS1622	World History and Cultures	9 Required	1	Year	
SS2017 & SS2018	US History	10 Required	1	Year	
SS2015 & SS2016	Civics (plus pass Civics Exam)	11 Required (or AP Gov't)	1	1st or 2nd	
SS1611	Contemporary Issues	11,12	.5 per Sem	1st or 2nd	Instructor Consent
SS2072	Psychology	10, 11,12	.5	1st or 2nd	
SS1661	AP US Government and Politics	10, 11, 12	1	Year	Civics or instructor's consent (Weighted Scale)
SS1701 & SS1702	AP US History	10, 11, 12	1	Year	
SS2043	Foundations of Economics	11,12	.5	2nd	Meets Financial Literacy Requirement
SS1651 & SS1652	AP Psychology	11,12	1	Year	Instructor's Consent and Psychology (Weighted Scale)

TECHNOLOGY EDUCATION (**FEE required per semester per course**)

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
TE2141 & TE2142	Basic Electricity/ Basic Electronics**	9,10,11,12	1	Year	
TE2251 & TE2252	Woods I**	10,11,12	1	Year	
TE2261 & TE2262	Woods II**	11,12	1	Year	Woods I
TE2121 & TE2122	Advanced Woods Technology**	11,12	1	Year	Woods II Instructor's Consent
TE2211 & TE2212	Welding/Metals I**	10,11,12	1	Year	
TE2221 & TE2222	Welding/Metals II**	11,12	1	Year	Welding/Metals I

TE1501 & TE1502	Cross-Media Graphics I**	9,10,11,12	1	Year	
TE1601 & TE1602	Cross-Media Graphics II**	10,11,12	1	Year	Cross-Media Graphics I
TE1801 & TE1802	Basic Digital Photography**	9,10,11,12	.5	Sem 1 or 2	
TE1901 & TE1902	Advanced Digital Photography**	10,11,12	.5	Sem 1 or 2	Basic Digital Photography
TE2051 & TE2052	Publications	9,10,11,12	1	Year	Instructor's Consent Application required (No Fee)
TE2001 & TE2002	Residential Construction**	9,10,11,12	1	Year (EVEN)	Offered 2021-2022
TE1691 & TE1692	Basic Home Maintenance**	10, 11, 12	1	Year (ODD)	Offered 2020-2021
TE2301 & TE2302	Problem Solving Through Discovery**	9, 10, 11, 12	1	Year	
TE2311 & TE2312	DT Manufacturing	11, 12	1	Year	Instructor's Consent (No Fee)
SWAT	Students Working at Advancing Technology	11,12	1	1st and/or 2nd	Application, Interview, Instructor Consent (No Fee)

WORLD LANGUAGE

COURSE #	COURSE	GRADE	CREDIT	SEMESTER OFFERED	PREREQUISITE
FL2011 & FL2012	Spanish I	9,10,11,12	1	Year	
FL2021 & FL2022	Spanish II	9,10,11,12	1	Year	Spanish I or Instructor's Consent
FL2031 & FL2032	Spanish III	10,11,12	1	Year	Spanish I & II or Instructor's Consent
FL2041 & FL2042	Spanish IV	11,12	1	Year	Spanish I, II, III or Instructor's Consent
FL2111 & FL2112	Spanish V	12	1	Year	Spanish I, II, III & IV or Instructor's Consent
FL2061 & FL2062	German I	9,10,11,12	1	Year	
FL2071 & FL2072	German II	9,10,11,12	1	Year	German I or Instructor's Consent
FL2081 & FL2082	German III	10,11,12	1	Year	German I & II or Instructor's Consent
FL2091 & FL2092	German IV	11,12	1	Year	German I, II & III or Instructor's Consent
FL2101 & FL2102	German V	12	1	Year	German I, II, III & IV or Instructor's Consent

EARNING COLLEGE CREDIT WHILE IN HIGH SCHOOL

The following classes have been articulated with colleges to receive both High School credit and College credit at no cost to the student. Students will have the college class noted on their high school transcript and the class will be acknowledged upon admission to a postsecondary institution. Students must complete registration paperwork to be eligible for dual credit.

COURSE CREDIT/ COLLEGE	CREDIT EARNED*	GRADE REQUIRED FOR CREDIT	COURSE	DEPARTMENT
Microsoft Excel (MPTC)	Transcripted 2 credits	C or higher, both sem.	Computer Applications I	Business
Microsoft Access (MPTC)	Transcripted 2 credits	C or higher, both sem.	Computer Applications I	Business
Microsoft Word (MPTC)	Transcripted 2 credits	C or higher, both sem.	Computer Applications I	Business
College 101 (MPTC)	Transcripted 2 credits	C or higher for qrt	College 101	Business
Computer Literacy (MPTC)	Transcripted 1 credit	C or higher for qrt	Computer Literacy	Business
English Composition 1 (MPTC)	Transcripted 1 Credit	C- or higher, sem. 2 transcripted	English 3	English
Intro to Animal Science (LTC)	Transcripted 3 credits	C or higher for sem.	Large Animal Science	Agriculture
Principles of Crop Production (LTC)	Transcripted 3 credits	C or higher for sem.	Crops and Soil Science	Agriculture
Intro to Soil Science (LTC)	Transcripted 3 credits	C or higher for sem.	Crops and Soil Science	Agriculture
Introduction to Horticulture (LTC)	Transcripted 3 credits	C or higher for sem.	Horticulture-ES	Agriculture
General Chemistry-TC (MPTC)	Transcripted 4 credits	C or higher for sem.	General Chemistry-TC	Science

***Transcripted Credit (TC) means:**

- Technical college courses are taught at Dodgeland High School using college curriculum and books.
- Dodgeland High School teachers teach the course(s).
- The technical college’s grading policies are followed.
- A student can earn both high school credit and technical college credit.
- Credits are transferable to all schools within the Technical College System and most colleges and universities..
- A student does not pay for the credits taken in high school.
- If a student enrolls at the technical school where the credit has been awarded, they will not have to retake that course(s) they received credit for in high school.

SCHOOL-TO-CAREER PROGRAM

Job Shadowing

A job shadow opportunity is open to all students in grades 9-12. Usually it is a one-day experience that allows students to observe the tasks of a specific career. Students are required to complete paperwork for this experience and write a one page reflection about their observations. Students who are interested need to speak with Mr. Jacquart School-to-Career Coordinator 920-386-4404 ext. 1311.

Work-Based Learning

This unique program is available to juniors and seniors and provide students experience in a particular career they are interested in pursuing after high school. (Please note: students do not have the option of being placed within their family business or to be working under the supervision of a family member.) Since exploration is the key component of this program, a second year student will be placed at a different work site to learn and experience first-hand a variety of professional environments. Students are allowed to leave for one class period unless they are approved for a Youth Apprenticeship then they can leave for two class periods. There is an application process to join this program, interested students need to speak with Mr. Jacquart, School-to-Career Coordinator.

EARLY COLLEGE CREDIT PROGRAM

Any public high school student who is not attending a technical college under the Technical College Course Program or attending a technical college in lieu of high school or on a part-time basis may enroll in an IHE for the purpose of taking one or more nonsectarian courses under the ECCP. This program is open to all high school students inclusive of grades 9 through 12. Eligible students may take courses under this program at any time including fall, spring, and summer semester. Credits taken and reimbursed is limited to 18 post secondary credits per student.

Procedures and expectations:

1. Submit application and form to the counselor by December 1 for the summer semester, March 1 for the fall semester, and by October 1 for the spring semester. Must indicate whether this is being taken for high school credit, postsecondary credit, or both.
2. The student must notify the district of the intent to enroll in an IHE.
3. Notify district if not admitted to a course and if a replacement course is being applied for.
4. Determination of comparability of the course to a currently offered high school course (80% match), whether the course meets a graduation requirement, and a determination of how many high school credits the course is worth. This information is required to be shared with the student prior to the start of the instructional semester.
5. Payment for courses is a combination of the IHE capping cost as required by State Statute, cost is covered by the district if the course is not comparable to a currently offered course, and the family up to 25% of the cost if the course is taken only for postsecondary credit.
6. If the course is comparable to a district course, the student is responsible for tuition and fees.
7. A student is also responsible for tuition and fees if the student receives a failing grade in the course or fails to complete the course.
8. Transportation is the responsibility of the student as well as any liability involved with transportation to the IHE.

DISTANCE EDUCATION OPTIONS

The Dodgeland School District is part of a consortium of schools connected to Wisconsin Indianhead Technical College. As part of the consortium, numerous other courses are available through the network. Distance Education uses a face to face instructional method connected by cameras and other technology. There are numerous courses available both through Higher Education for college credit as well as courses of interest from other school districts. If there is a course you are interested in, please contact Mr. Dunn. If there is not one listed in the course catalog, a request will be sent and the consortium will see if they can find the course. Taking Distance education courses requires a high maturity level and the ability to work independently.

Examples of Courses: (Ask. We will try to find it)

American Sign Language

Intro to Sociology

Intro to Diversity
Medical Terminology
Courts and Jurisdiction
Intro to Ethics
Intro to Paralegal

ONLINE COURSES

The Dodgeland School District believes in using the technology available to all students to take online courses for those students interested in taking a course that is not available to our students. Online courses are not meant to be a substitute for regular classroom courses, however at times it is necessary to do so. Online courses are meant to open opportunities for students to explore areas of interest unavailable in the high school. Online courses are also established for credit recovery for those students who did not pass a required course. There are currently two options available: APEX Courses or Wisconsin Virtual Learning Courses. See Mr. Dunn for more information.

Examples of courses: (more than listed here)

Principles of Health Science
Human Resource Principles
Environmental Science
3D Animation
3D Game Design
Fashion Design

WEIGHTED GRADES

There are specific courses that are taught at the college level (more rigorous and high paced). As such, these courses use a weighted grading scale based on a 5.0 point scale rather than the typical 4.0 point scale for high school courses. Earning college credit for transcribed courses **does not** automatically qualify as a weighted grade scale course. Typically some type of Nationally normed assessment is required for a course to be weighted.

The impact upon a student's Grade Point Average absorbs the increased rigor and pace of these College level courses. For example, if a student earns a B in a weighted grade course, the student receives 4 grade points which is equivalent to an A in the grading scale. The following courses are weighted:

Course	Department
AP Computer Science A	Business
AP English Literature & Composition	English
Pre-Calculus	Mathematics
Probability and Statistics	Mathematics
AP Chemistry	Science
AP Environmental Science-ES	Science (Ag)

AP Psychology	Social Studies
AP Government and Politics	Social Studies
AP US History	Social Studies

AGRICULTURE, FOOD & NATURAL RESOURCES

9th Grade	10th grade	11th grade	12th grade
Ag Survey	Ag Survey	Horticulture-ES TC	Horticulture-ES TC
Small Animal Care	Small Animal Care	Landscaping	Landscaping
	Food Science-ES	Food Science-ES	Food Science-ES
	Forestry and Sustainability-ES	Forestry and Sustainability-ES	Forestry and Sustainability-ES
	Horticulture-ES TC	Large Animal Science-TC	Large Animal Science-TC
	Landscaping	Crops and Soil Science-TC	Crops and Soil Science-TC
	Large Animal Science-TC	Wildlife and Natural Resources Management	Wildlife and Natural Resources Management
	Crops and Soil Science-TC	Dairy Science	Dairy Science
	Wildlife and Natural Resources Management	Veterinary Science-ES	Veterinary Science-ES
	Dairy Science	Ag Communications and Issues	Ag Communications and Issues
	Ag Communications and Issues	Agribusiness Management	Agribusiness Management
	Agribusiness Management	AP Environmental Science-ES	AP Environmental Science-ES

AG3331 -- AGRICULTURE SURVEY

Elective: 9 - 10

½ credit / First Semester

This introductory course is highly recommended for all students interested in taking other agriculture courses! Students will focus on food production and food science as they explore where and how food is produced. This course will explore the notion of farm to plate and various scientific processes that deal with our daily meals. Sign-up for this tasty course offering! Leadership and communication will also be a component of this course.

AG2001 -- SMALL ANIMAL CARE

½ credit / Second Semester

Elective: 9 - 10

Over 56% of American families own at least one pet. This course will focus on various topics pet lovers should understand before ownership. Some topics of study will include general care, disease prevention, nutrition, grooming, handling, and basic anatomy. Students gain hands-on, practical experience and knowledge about owning a variety of pets.

AG1701 -- FOOD SCIENCE-ES

½ credit / Semester

Elective: 10 - 12

Food science related careers are in demand and there are not enough qualified candidates to meet the demand. This course explores the foods we eat and the science and industry behind them. Students will also learn about food additives and substitutes, fermentation, preserving, and the science of creating food packaging. Students can expect this class to be fast-paced with many laboratory activities. **This course will count as a ½ credit of elective science toward graduation requirements.**

AG1801 -- FORESTRY AND SUSTAINABILITY-ES

½ credit / First Semester

Elective 10 - 12 (ODD years; offered 2020-2021)

This course is designed to explore Wisconsin forestry as an industry and as a natural resource. Forest management and processing will be discussed along with developing skills related to tree identification and determining a forest inventory. The topic of sustainability will also be examined as it relates to the agriculture industry. Analysis of the use and conservation of energy resources will be a major topic of study. **This course will count as a ½ credit of elective science toward graduation requirements.**

AG2052 - HORTICULTURE-ES TC

½ credit / Second Semester

Elective: 10 - 12

In this course, the greenhouse will become your classroom. Students will gain hands-on experiences about greenhouse growing of plants, fertilization, finishing and marketing of plants. Discussion of careers and design are a part of this class as well. Students will gain business skills by planning, preparing, and running the annual plant sale. *Students may receive technical college credit by earning a 'C' or higher in the course.* **This course will count as a ½ credit of elective science toward graduation requirements.**

AG2053 - LANDSCAPING

½ credit / First Semester

Elective: 10 - 12

This course will focus on the basic principles of landscaping your home. Major areas of study will include: establishing your landscaping needs, starting your plan, analyzing the site, choosing construction materials, choosing landscape structures, selecting plants, trees, shrubs, and flowers to fit your design, designing the public and living area, buying, planting, and taking care of your plants. Get your hands dirty making landscape designs become reality as we complete landscape projects.

AG2085 – LARGE ANIMAL SCIENCE-TC

½ credit / Second Semester

Elective: 10 - 12 (ODD years; offered 2020 - 2021)

This course gives students the opportunity to gain in-depth knowledge of livestock production. Students will explore the fundamentals of animal health, animal environments, anatomy and physiology, genetics and reproduction, nutrition, and animal behavior and safety. Units of study will cover beef, swine, and sheep from birth to processing. *Students may receive technical college credit by earning a 'C' or higher in the course.*

AG2087 - CROPS AND SOIL SCIENCE-TC

½ credit / Semester

Elective: 10 - 12

This course will focus on the principles of crop science and the importance of the major agronomic crops to the world-wide economy. A study of the origin, structure, general nature of soil and the factors related to soil fertility and soil management will also be discussed. *Students may receive technical college credit by earning a 'C' or higher in the course.*

AG2215 – WILDLIFE AND NATURAL RESOURCES MANAGEMENT

½ credit / First Semester

Elective: 10 - 12 (EVEN years; offered 2021-2022)

This course will focus on the past, present, and future natural usage of our energy, fish, forestry, and wildlife resources. Students will apply concepts to gain hands on experience with the school pond. Units of study will include management, conservation and preservation of our natural resources.

AG1605 - DAIRY SCIENCE

½ credit / Second Semester

Elective: 10 - 12 (EVEN years; offered 2021-2022)

This class provides the student who is interested in the dairy industry, the opportunity to gain hands-on, practical approach to cutting edge information about the dairy industry. Primary information will cover the dairy cow, nutrition, milk quality, herd health, new technologies and effective marketing strategies. Students will earn AI certification through this course.

AG2113 - VETERINARY SCIENCE-ES

½ credit / First Semester

Elective: 11 - 12

Prerequisite: Small Animal Care, Large Animal Science or Dairy Science

This course will provide an in-depth look at proper health care and management of animals. Students will gain practical experience with basic veterinary procedures as they explore the body systems of production and companion animals. **This course will count as a ½ credit of elective science toward graduation requirements.**

AG2103 - AGRICULTURE COMMUNICATIONS AND ISSUES

½ credit / Semester

Elective: 10 - 12 (EVEN years; offered 2021-2022)

This course will examine current agricultural issues, determine how they affect people on all sides of the issue and enhance their written and oral communication skills by presenting their views and opinions to the class through debates, speeches, and interviews in order to be effective leaders in today's society. Students gain experience in problem-solving and developing ideas and solutions to these problems that impact producers and consumers.

AG2105 - AGRIBUSINESS MANAGEMENT AND MARKETING

½ credit / Semester

Elective: 10 - 12 (ODD years; offered 2020 - 2021)

Agribusinesses support the production agriculture industry and are part of today's global economy. Students in this course will learn how to effectively plan and run a business through an in-depth investigation of economics, marketing, and business management. Students will also gain experience in sales and marketing, exploring how to persuade others to buy their products and services.

AG1902 & AG1092 -- AP ENVIRONMENTAL SCIENCE-ES

1 credit / Yearlong Course

Elective: 11 - 12

Weighted Grade Scale

This course analyzes environmental concepts and processes to achieve understanding in order to propose and justify solutions to environmental problems. The course teaches students how to apply science to the solutions of important social problems. It also provides opportunities to practice applying scientific methods to practical, real-life problems. The course helps students identify and analyze natural and human-induced environmental problems. It enables them to learn how to assess the risks associated with these problems and evaluate alternative solutions for resolving and preventing them. **This course will count as one credit of elective science toward graduation requirements.**

ART

****A class fee per class per semester is required for each Art course a student enrolls in for the 2020-2021 school year. Fees are subject to change upon School Board approval.**

9th Grade	10th grade	11th grade	12th grade
Pottery	Pottery	Pottery	Pottery
Advanced Pottery	Advanced Pottery	Advanced Pottery	Advanced Pottery
Sculpture	Sculpture	Sculpture	Sculpture
Decorative Arts	Decorative Arts	Decorative Arts	Decorative Arts
Studio Arts Foundation	Studio Arts Foundation	Studio Arts Foundation	Studio Arts Foundation
Drawing	Advanced Wheel Work	Advanced Wheel Work	Advanced Wheel Work
	Drawing	Drawing	Drawing
	Painting	Painting	Painting
	Advanced Drawing	Advanced Drawing	Advanced Drawing
		Arts and Ideas	Arts and Ideas

AR2021 – POTTERY

Elective: 9 - 12

½ credit / First Semester

If you like to get dirty and make things with your hands, then this is the class for you. Potential artists will be creating all types of things using clay. Functional pieces such as bowls and plates and the more sculptural pieces such as animals and whistles will be featured. There is place for everybody who enjoys getting messy!

AR2032 -- ADVANCED POTTERY

Elective: 9 - 12

Prerequisite: Pottery

½ credit / Second Semester

This course is designed for students who wish to continue to learn and create advanced ceramic artwork. The students will spend more time on the pottery wheel, create larger and more intricate sculptures, formulate and use glazes and other decorative techniques.

AR2071 & AR2072 -- ADVANCED WORK ON POTTERY WHEEL

Elective: 10 - 12

Prerequisite: Pottery and Advanced Pottery

1 credit / Yearlong Course

This course would have the students working on the potter's wheel daily for two semesters. The only way to become really proficient on the wheel is to spend more than a semester or two working on this skill. Students will be exploring more advanced forms such as casserole dishes, goblets, platters and plates. Besides working on the wheel, students will also learn some advance clay workings such as glaze formations, kiln construction and how to load, unload, and fire the kiln.

AR2081 – DRAWING

½ credit / First Semester

Elective: 10 - 12; 9 only with Instructor's Consent

Recommended: One semester of Studio Art

Drawing is not a skill that you are born with! Everybody can learn to draw - all you need to do is learn how to **SEE!** Students will be amazed by the progress and advances they will make in drawing. We begin with simple line drawing and advance to self-portraits by the end of the semester. Pencil, charcoal, pen and ink techniques will be explored. Weekly sketchbook assignments are part of the drawing class.

Recommended: One semester of Studio Art**AR2082 -- Advanced Drawing**

½ credit / Second Semester

Elective: 10 - 12; 9 with Drawing and Instructor's Consent

Prerequisite: Drawing

If you love to draw and you want to continue your drawing practice, then consider taking "Advanced Drawing" (AD). This second semester class will continue and expand on what you learned in the first semester Drawing class. You will still have a sketchbook and assignments, but AD will be more personalized as to what drawing media / medium appeals to you. You might want to work only in graphite pencil or colored pencil; maybe charcoal is the medium for you, or you may want to keep exploring all of the above plus markers. We will work together to make it happen.

AR2052 – PAINTING

½ credit / Second Semester

Elective: 10 - 12; 9 with Instructor's Consent

Painting is explored in all forms from realistic to abstract with an emphasis of different techniques and styles. Our materials will range from watercolor to acrylic and oils. We will also explore art history as it relates to paintings with PowerPoint presentations.

AR2041 – SCULPTURE

½ credit / First Semester

Elective 9 - 12

This class is designed for students who really want to move away from functional clay pieces to more realistic sculpture. Students will be working with materials ranging from clay and plaster to fabric and wire. Students work with wire, plaster, wood, clay and nontraditional materials. Realistic, abstract, and non-objective styles of expression are explored.

AR2011 & AR2012 -- DECORATIVE ARTS

½ credit / Semester--First and/or Second Semester

Elective: 9 -12

Are you afraid of art? Think that you have to be good at art to take art? Then this is the class for you! Art can be many things, not just drawing and painting. In Decorative Arts we will explore many areas of arts and crafts. We will create functional art (things you can use) such as beading, jewelry making, knitting, sewing, tie-dying as well as decorative pieces such as silk painting, painted furniture, dream catchers, glass etching, bookmaking and holiday crafts. No experience necessary - just a willingness to learn. Join for the semester or the whole year. Open to all students.

AR2061 & AR2062-- STUDIO ART FOUNDATION

½ credit / Semester--First and/or Second Semester

Elective: 9 - 12

This course will give you the chance to try a variety of media in depth. You will be able to experiment with materials and you will have more options if you choose to continue in art. Each semester will be its' own entity and will include lessons in three to four art media. Each lesson will be approximately 4 to 6

weeks in length which will give you time to work with each art medium and produce finished art pieces. Proposed art media include: Drawing, Painting, Hand Built Clay, Glazing, Sculpture, Fibers, Printmaking, Book Construction, Collage, and Paper Mache. This course is recommended for all high school students.

AR1611 & AR1612 -ARTS AND IDEAS

1 credit / Yearlong Course

Elective: 11 - 12 Instructor's Consent

For centuries, the humanities have struggled with the deeper questions of life in an attempt to answer, or at least gain a better understanding of life's mysteries. By asking questions that really have no definite answers, the humanities demands students to struggle with questions that have been asked for centuries all around the world. As we prepare students to enter into civilization as adults, it is key that students have a clearer understanding of who they are, how they fit into our global community, and what they choose to believe. Therefore, the class will be comprised of units that ask the unanswerable questions such as: Why do we create? What is beauty? What is the purpose of life? What do we value? How do we see the world? What is the purpose of education? How do the arts inspire social change? What is normal? How do we cope with life's struggles? Using art, students will discover how these questions have been addressed through different forms of art. Students will seek to express their answers to these questions via different artistic endeavors, along with looking at historical examples of artwork from around the world that deal with the same questions. Through discussion and collaboration, students will not only see how others have addressed these questions, but they will be able to form their own answers based on their belief systems through art.

BUSINESS and INFORMATION TECHNOLOGY

9th Grade	10th grade	11th grade	12th grade
Computer Applications I #	Computer Applications I #	Computer Applications I #	Computer Applications I #
Intro to Business	Intro to Business	Intro to Business	Intro to Business
Accounting 1#	Accounting 1 #	Accounting 1#	Accounting 1 #
Intro Computer Hardware #	Intro Computer Hardware #	Intro Computer Hardware #	Intro Computer Hardware #
Entrepreneurship #	Entrepreneurship #	Entrepreneurship #	Entrepreneurship #
Web Page Design #	Accounting II #	Accounting II #	Accounting II #
	Web Page Design #	Web Page Design #	Web Page Design #
	Comp Program, Coding, and App Development	Comp Program, Coding, and App Development	Comp Program, Coding, and App Development
	Sports and Entertainment Management #	Sports and Entertainment Management #	Sports and Entertainment Management #
	Leadership Skills Development	Personal Financial Management *	Personal Financial Management *
		Leadership Skills Development	Leadership Skills Development

		AP Computer Science A	College 101/Computer Literacy TC
			AP Computer Science A

* = Meets Financial Literacy Requirement
= Offered every other year

BE2201 & BE2202 – COMPUTER APPLICATIONS I

1 credit / Yearlong Course

Elective: 9 - 12 (ODD years; offered 2020 - 2021)

Students will briefly review material learned in previous computer classes with the emphasis being placed on increasing speed and accuracy. Students will use Microsoft Office software to create basic projects in Microsoft Word, Microsoft Excel, and Microsoft Access. Students will learn to format various forms of reports, letters, manuscripts, and memos. Students will also learn to enter, edit, and sort various types of data in Excel and Access. In addition to learning the basic functions of Word, Excel, and Access, students will learn to integrate these applications on a variety of projects. Students will also discuss what it means to be a “self-learner of technology.” Students will walk away from this course knowing the basic functions of Microsoft Office and how to apply these programs to their life in and out of school. Students will create a portfolio throughout this class. Students will have the option to receive Technical College credit through Moraine Park Technical College if they earn a grade of a “C” or higher.

BE2231 & BE2232 -- INTRODUCTION TO BUSINESS

½ credit / Semester

Elective: 9 - 12

Where are most of you going to be working? Business, that is where! What do you know about business and why should they hire you? In today’s economy the more prepared you are the better your chances of landing a job. You need to have an understanding of current business topics, types of business organizations, economic systems, how to sell your qualifications to a business, and how to maximize your consumer dollar. Decision making skills, basic economics, entrepreneurship, management styles, and consumerism will be explored.

BE2262 – ENTREPRENEURSHIP

½ credit / Semester

Elective: 9 - 12 (EVEN years; offered 2021-2022)
Prerequisite: Introduction To Business

Students will explore the various facets to starting their own business. We will look at what it takes to be a business owner and the steps necessary to starting a new business venture. Students will work through the process of starting and running a business of their choice, learning through the development of their business venture.

BE2071 & BE2072 -- ACCOUNTING I

1 credit / Yearlong Course

Elective: 9 - 12 (ODD years; offered 2020-2021)
Recommended: GPA C or better

One of the top fields coming out of college right now is accounting. This course is a must for any student planning on going to college or tech school in a business related area, or who have thoughts of owning their own business someday, or for a career in the business world. In this course the student will learn basic accounting concepts, principles, and terminology for a rewarding career in the accounting field. Career exploration will be included. Accounting involves learning how to plan, keep, analyze, and interpret financial records for single owners, partnerships, and corporations. This will include accounting for service and merchandising businesses. After finishing this course, the student will be able to complete

an accounting cycle. They should also have the knowledge needed for an entry-level position in the rewarding and expanding accounting field or business area in general. Students will have the option to receive Technical College credit through Moraine Park Technical College if they earn a grade of a “C” or higher

BE2161 & BE2172 -- ACCOUNTING II

1 credit / Yearlong course

Elective: 10 - 12 (**EVEN year offered 2021-2022**)

Prerequisite: Successful completion of Accounting I

This course is a continuation of Accounting I for those individuals who are planning on pursuing a career in the accounting field. The course will expand upon what was mastered in Accounting I moving from a simple accounting system to a more complex one. This course may lead to a continuation of schooling at a postsecondary institution or directly into an entry level position following graduation.

BE2251 – COMPUTER PROGRAMMING, CODING AND APP DEVELOPMENT

Elective: 10 - 12

½ credit / Semester

Students in this class will be introduced to the world of computer programming and app development. They will learn the basic concepts of computer programming, along with knowledge about the various computer programming languages. Students will also learn about creating apps for the apple and android markets.

BE2252 – INTRODUCTION TO COMPUTER HARDWARE

½ credit/ Semester

Elective: 9 - 12 (**ODD years; offered 2020-2021**)

Students in this class will learn about the various hardware components of a computer system and network. Students will be able to learn about troubleshooting basic hardware and software issues. We will discuss current computer technology, as well as future computer technologies.

BE2151 & BE2152 -- PERSONAL FINANCIAL MANAGEMENT

½ credit / Semester

Elective: 11 - 12

Meets Financial Literacy Requirement

This course is designed for those junior-senior students who will soon be out on their own. Major topics of this course are: banking, credit, renting, homeownership, budgeting, comparison-shopping, financing a car and home; automobile, life, health, disability, and property insurances; investments; technology costs; and retirement planning. We will utilize numerous guest lecturers speaking on their field of expertise.

This is a class recommended for all juniors and seniors.

BE2270 -- SPORTS AND ENTERTAINMENT MANAGEMENT

½ credit / Semester

Elective: 10 - 12 (**ODD years; offered 2020-2021**)

Students who have wished to play sports professionally or who have dreamed of becoming an agent for a celebrity entertainer have an interest in sports and entertainment management. Although this particular form of management bears some resemblance to traditional management, there are many differences as well—including a lot more glitz and glamour! In this course, students have the opportunity to explore basic management principles and delve deeper into the multibillion-dollar sports and entertainment industry. Students learn how professional athletes, sports teams, and well-known entertainers are managed as commodities and how some of them become billionaires as a result. For students who have ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, this course introduces the fundamentals of such a career.

BE2062 -- WEB PAGE DESIGN

½ credit / Semester

Elective: 9 - 12 (EVEN years; offered 2021-2022)

This course will help students plan and develop a web site. The focus will be on the concepts of web design--information design (how to structure information), programming design (getting the site to function), and visual design (what the site will look like). With more and more people adding Internet to their daily lives it is necessary to find a means to show students how internet-related projects are performed. Students will also develop problem-solving skills as they work through more complex web site projects. Students will have the option to receive Technical College credit through Moraine Park Technical College if they earn a grade of a "C" or higher

BE2272 --LEADERSHIP SKILLS DEVELOPMENT

½ credit / Semester

Elective: 10 - 12 (INSTRUCTOR'S CONSENT ONLY)

Leadership is an essential skill in every industry and career. Leaders in every industry have the ability to skyrocket their careers. This course is designed to help students develop their leadership potential and hone their leadership skills. Students will learn how to lead with humility, about the importance of self-awareness for leadership, about candid communication, about how leaders use social media, and many other important topics.

BE2265 -- COLLEGE 101/COMPUTER LITERACY (MPTC required)

½ credit Semester

Grade 12 (Transcripted Credit - required for majority of 2 year colleges)

College 101 develops tools and strategies that support success in college. Focuses on utilizing Moraine Park websites, online Course Management System and college resources. *We will supplement with other post-secondary websites and resources.* Student responsibility and expectations for success in college are explored. Emphasizes learning strategies, goals, lifestyle balance and skills for interdependence. Students will be required to complete during or prior to the first semester of their program. (College 101 may be waived if an official transcript indicating completion of a bachelor's or master's degree within five years is on file with the college.) **Computer Literacy** develops basic computer skills in Windows, Internet communication, professional use of Social Media, word processing with Microsoft Word, spreadsheets with Microsoft Excel, and presentations with Microsoft PowerPoint. *We will integrate Pages, Numbers, and Keynote as well as Google tools.* This course is a "hands-on" computer class and cultivates skills for college and work. Students must be comfortable using a computer. Students not familiar with a computer should enroll in Microsoft Windows. Keyboarding skills recommended.

BE2268 & BE2269--AP COMPUTER SCIENCE A1 credit/ Year Long
Weighted Grade Scale

Elective: 11 - 12 (ODD years; offered 2020-2021)

Computer Science A (CSA) builds on the basic skills learned in Computer Science Principles (CSP) to teach students authentic Android™ app development. Students in this course continue to hone their communication and collaboration skills while learning to use a variety of tools. The primary goal of the course is to create independent thinking app developers; every unit in this course builds on students' prior knowledge and skills until they are able to complete an app development cycle independently from the ground up.

ENGLISH

9th Grade	10th grade	11th grade	12th grade
English 1*	English 2*	English 3*	English 4 (1 Sem)*
Literacy Lab #	Literacy Lab 2 #	Advanced American Literature ***	Creative Writing
	Advanced Literary Interpretation **	Creative Writing	Literature and the Arts
	Creative Writing	Literature and the Arts	Science Fiction and Fantasy ELA
		Science Fiction and Fantasy ELA	AP English Comp and Lit****

* = Required

** = May substitute for English 2

*** = May substitute for English 3

**** = May substitute for English 4 and elective with instructor's consent.

= Will not count toward English credit. Will count as an elective credit. Staff assigned course.

EN2013 & EN2014 --ENGLISH 1

1 credit / Yearlong Course

Required: 9

English 1 is the freshman level English course that emphasizes literacy skills such as reading, writing, and verbal communication. Utilizing different reading strategies, students will analyze different genres of writing, including short stories, essays, poetry, and drama (specifically Shakespeare's *Romeo and Juliet*) from a variety of cultural backgrounds and viewpoints. Writing skills will emphasize ideas, structure, and clear and effective grammar. In-depth vocabulary study will also be included, along with grammar study that emphasizes sentence structure and variety.

EN2015 & EN2016 -- LITERACY LAB

½ credit / Sem as needed

Assigned: 9 (**DOES NOT COUNT FOR ENGLISH CREDIT**) Counts as an elective course

The Reading and Writing Lab is designed to provide additional skill development and support for students in English 1 who currently are not proficient in previous skill level.

EN2017 & EN2018 -- ENGLISH 2

1 credit / Yearlong Course

Required: 10

English 2 is the sophomore level English course that focuses on reading and analyzing both fiction and non-fiction texts. In semester one, students will read historical narratives and persuasive speeches/essays. In the second semester, students will read fictional texts - poetry, short stories, and a novel. Students will also learn to write in each form/genre that they are studying. Writing skills will emphasize ideas, structure, and clear and effective grammar. In-depth vocabulary study will also be included, along with grammar study that emphasizes sentence structure and variety.

EN2019 & EN2020 -- LITERACY LAB 2

½ credit / Sem as needed

Assigned: 10 (DOES NOT COUNT FOR ENGLISH CREDIT) Counts as an elective course

The Reading and Writing Lab 2 is designed to provide additional skill development and support for students in English 2 who currently are not proficient in required prerequisite skills.

EN2027 & EN2028 --ADVANCED LITERARY INTERPRETATION

1 credit / Yearlong

Course

Required/Optional: 10

Prerequisite: Instructor's Consent

Advanced Literary Interpretation is designed to prepare students who are considering taking AP English Literature and Composition their senior year. Students will be introduced to the basic foundations of literary symbolism, literary criticism, and rhetoric as they study a variety of literary texts selected from the most frequently cited books on the AP Literature exam. Writing, both in and out of class, will focus on mastering the classical essay and will progress to more complex and analytical writing.

EN2045 & EN2046 -- ENGLISH 3

1 credit / Yearlong Course

Required: 11 (2nd Semester TRANSCRIPTED with MPTC)

English 3 offers students the chance to earn college credit by incorporating English Composition 1 through Moraine Park Technical College in the 2nd semester. This course will develop reading, writing, and research skills through analysis and evaluation of various informational texts. First semester will focus on the evaluation of historical narratives and analysis of persuasive texts and speeches. In English Composition, writing assignments are designed to help the student analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Students throughout the year will also continue to develop their vocabulary as well as their grammar skills in preparation for the ACT exam, college, and beyond.

EN2025 & EN2026 -- ADVANCED AMERICAN LITERATURE

1 credit - Yearlong Course

Required/Optional: 11

Prerequisite: Instructor's Consent AND Advanced Literary Interpretation or English 2

Similar to Advanced Literary Interpretation, Advanced American Literature is also designed to prepare students who are considering taking AP English Literature and Composition their senior year. This course will be driven by novels with supplementary shorter works that have corresponding themes. Selections may include *The Scarlet Letter*, *A Raisin in the Sun*, *A Farewell to Arms*, *The Great Gatsby*, and *The Joy Luck Club*. Students will learn to be more intentional in their literary criticism through the use of critical lenses that take into account historical context, the author's life, and other cultural factors that help shape a text. In addition to the study of literature, critical thinking and writing skills will be emphasized through various essays in the major rhetorical modes (expository, narrative, argument).

EN2023 & EN2024 -- ENGLISH 4

½ credit / Semester

Required: 12

English 4 emphasizes both academic and vocational writing and close-reading skills that students will likely encounter in their post-secondary education and/or careers. Major writing assignments will include various essays and multimedia presentations. Students will read and analyze a variety of challenging fiction and nonfiction texts. Note: You must also select a ½ credit English Elective (Creative Writing, Literature and the Arts, or Science Fiction and Fantasy ELA) in order to fulfill your graduation requirements.

EN4031 & EN4032 -- AP ENGLISH LITERATURE AND COMPOSITION

1 credit / Yearlong Course

Required/Optional: 12

Weighted Grade Scale

Prerequisite: Instructor's Consent

AP English Literature and Composition is further opportunity for students to earn college credit while still in high school. At the completion of the year's study, students will take the nationally administered exam that includes essay and multiple choice questions on highly regarded works of literature; an adequate score on the test will allow students to receive college credits. To prepare for this exam, students will need to build a large background knowledge of literature as well as develop strong analytical skills. In order to achieve this students will study a variety of texts, use critical lenses in order to analyze texts from multiple viewpoints, write and revise essays, take practice AP tests, and will be required to complete a summer assignment prior to the class to increase their breadth of literary knowledge.

EN2101 -- CREATIVE WRITING

½ credit / Semester

Required/Optional: 10 - 12

Creative Writing is a perfect opportunity for students who want to try their hand at expanding their writing ability to formats typically not taught in composition and writing classes. Time will be spent composing a variety of pieces, including a short story, poetry, fictional news, and speeches. Students will create a portfolio of their writings. Writing style, structure, and mechanics will be emphasized. **Note: You must also complete the ½ credit English 4 class in order to fulfill your graduation requirements.**

EN2033 -- LITERATURE AND THE ARTS

½ credit / Semester

Required/Optional: 11 - 12

The goal of Literature and the Arts is to foster an appreciation of literature through the exploration of the arts, particularly film, in connection to literature and the interpretation of art as a form of literature. The class will compare and contrast various mediums of art with the works of literature from which they are based, paying particular attention to how choices affect the interpretation of a text. The class will also explore how film, and other art forms, act as literature, utilizing literary analysis and criticism to evaluate and discuss art and film. **Note: You must also complete the ½ credit English 4 class in order to fulfill your graduation requirements.**

EN2035 -- SCIENCE FICTION and FANTASY ELA

½ credit / Semester

Required/Optional: 11 - 12

This course examines the differences between science fiction and fantasy through reading short stories and novels, such as *The Martian Chronicles* and *Alice in Wonderland*. Select films will be used to help visualize the world envisioned by science fiction/fantasy writers, and accompanying essays will help show relationships between film and text versions. A variety of projects will also be included throughout the semester. **Note: You must also complete the ½ credit English 4 class in order to fulfill your graduation requirements.**

INTERDISCIPLINARY

ACADECA - ACADEMIC DECATHLON

½ credit / 1st Semester

Elective: 11 - 12, Instructor's Approval for grades 9-10

Academic Decathlon is a nationwide competition that begins at the local level, moves onto regionals and eventually state. The premise for Academic Decathlon is that all students of all grade points and abilities learn from each other, use their strengths to form a team. The team is given a uniform curriculum that all students study. Every year there is a different theme and this topic is covered through literature, the visual arts, science, social science, mathematics, economics and music. A deep understanding of the selected theme is achieved through intense studying, shared inquiry discussion, and generalization of the content between disciplines. As a result, students who actively participate in Academic Decathlon develop analytical skills and are prepared for rigorous coursework.

MATH

9th Grade	10th grade	11th grade	12th grade
Algebra*	Geometry*	Algebra 2	Pre- Calculus
Math Seminar ##	Math Seminar ##	Advanced Algebra 2	Intermediate Algebra
Geometry **		Probability and Statistics	AP Calculus
			Probability and Statistics

*All incoming freshmen are placed based on iReady, FORWARD, 3rd quarter assessment, and Middle School performance

** Many post-secondary educational institutions require a minimum of Algebra II for admissions.

**A TI 83+, TI 83 Silver Edition, TI 84, or TI 84 Silver Edition graphing calculator is recommended.

###Will not count as Math credit. Will count as an elective credit. Staff assigned course.

MA2011 & MA2012 -- ALGEBRA I

1 credit / Yearlong Course

Required: 9

Prerequisite: Faculty assignment and successful completion of eighth grade objectives.

Note: Algebra I is a prerequisite for all higher math levels. Topics covered in this course include learning the language of algebra, exploring expressions, equations and functions, performing all operations with integers and rational numbers, solving linear equations, graphing relations and functions, analyzing linear equations, solving linear inequalities, solving linear systems of equalities and inequalities, performing operations and factoring with polynomials, introduction to quadratic and exponential functions, simplifying expressions and solving equations with radical expressions. A unit of **probability** will also be covered. Graphing Calculator use is integrated throughout the course.

MA2021 & MA2022 – GEOMETRY

1 credit / Yearlong Course

Required/Optional: 9 - 11

Prerequisite: Algebra I or Instructor's Consent

Geometry is a mathematics course dealing with the various relationships between lines and figures in both one plane and in space. Time will be spent on finding areas and volumes of geometrical shapes. A student will learn the Pythagorean Theorem and special right triangle relationships. Right triangle trigonometry will be introduced. Work will be done on geometric constructions and transformational geometry. In addition, the course goes into depth in the use of a geometrical proof, which emphasizes and fosters logical reasoning.

MA1033 & MA1034 -- MATH SEMINAR $\frac{1}{2}$ credit per Semester / As neededAssigned per skill proficiency (**DOES NOT COUNT AS MATH CREDIT**)**Counts as an elective credit**

Geometry Seminar is to provide additional skill development and understandings needed to be successful in the Geometry classroom. Students are assigned based upon past performance, Forward assessment, and by instructor's recommendation.

MA2031 & MA2032 -- ALGEBRA II

1 credit / Yearlong Course

Elective: 10 - 12

Prerequisite: Algebra I and Geometry or concurrent enrollment in Geometry with Instructor's Consent

This course is designed for the college bound student. It is a necessary course for university admission if, 3 years of high school math are required. This course covers analyzing equations and inequalities, graphing linear relations and functions, solving systems of linear equations and inequalities, using matrices and determinants, exploring polynomials and radical expressions, work with complex numbers, exploring **absolute value and** quadratic functions and inequalities, exploring polynomial functions, exploring rational expressions, and exploring exponential functions. **Trigonometric Functions, Unit Circle Trigonometry, modeling and work with the Pythagorean Identity.** Graphing calculator use is integrated and stressed throughout the course.

MA1025 & MA1026 -- ADVANCED ALGEBRA II

1 credit / Yearlong Course

Elective: 10 - 12

Prerequisite: Increased Rigor level for students planning to take Pre-Calc/Calc AB

This course is designed for the advanced college bound student. It covers all the topics found in regular Algebra II course, but moves at a faster pace and is designed to be more challenging and rigorous for the advanced college bound. This course is for those students anticipating completion of a five-year math program at the high school level and possible options to enroll in advanced placement course offerings. This course covers analyzing equations and inequalities, exploring polynomials and radical expressions, work with complex numbers, exploring **absolute value and quadratic functions, polynomial functions, exploring** rational expressions, exploring exponential functions. **Trigonometric Functions, Unit Circle Trigonometry, modeling and work with the Pythagorean Identity.**

MA1027 & MA1028 – INTERMEDIATE ALGEBRA

1 credit / Yearlong Course

Elective: 12

Prerequisite: Algebra II

This course is designed to review and develop fundamental concepts of mathematics pertinent to the areas of: (1) arithmetic and algebra, (2) geometry and trigonometry, and (3) probability and statistics. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections and using calculators. Topics include performing arithmetic operations and simplifying algebraic expressions; solving linear equations and inequalities in one variable; solving proportions and incorporating percent applications; manipulating formulas; solving and graphing systems of linear equations and inequalities in two variables; finding areas and volumes of geometric figures; applying similar and congruent triangles; converting measurements within and between U.S. and metric systems; applying Pythagorean Theorem; solving right and oblique triangles; calculating probabilities organizing data and interpreting charts; calculating central and spread measures; and summarizing and analyzing data.

MA4501 & MA4502 - PROBABILITY AND STATISTICS

1 credit / Yearlong Course

Elective: 11 - 12

Prerequisite: Algebra II

Weighted Grade Scale

This is an introductory course that focuses on data, statistical reasoning, and probability. This class is intended for Juniors or Seniors who have successfully completed their Algebra 2 course work and can be taken concurrently with Advanced Algebra, Pre Calculus, or AP Calculus. The course aims to teach students the main ideas behind statistics, probability, data analysis, and technology tools used to analyze data. The Probability and Statistics course aims to give students the skills needed for college programs and a variety of career pathways.

MA2041 & MA2042 – PRE-CALCULUS

1 credit / Yearlong Course

Elective: 11 - 12

Prerequisite: Advanced Algebra II and Instructor's Consent

Weighted Grade Scale

This course is designed for students planning on taking Calculus as seniors. Pre-Calculus is a yearlong course intended for the college bound student. Students will review and master concepts studied in Algebra II, analyze functions, study right triangle and circular trigonometry, investigate analytic geometry topics, and work with basic counting techniques to find the probability of an event occurring. This course is a prerequisite for juniors intending to take AP Calculus their senior year.

MA4011 & MA4012 -- AP CALCULUS

1 credit / Yearlong Course

Elective: 12

Prerequisite: Pre-Calculus and Instructor's Consent

Weighted Grade Scale

AP Calculus is a rigorous, college-prep, year-long course intended for students interested in fields of mathematics, engineering, the physical and social sciences or non-technical fields. This course fulfills the co-requisite requirement of AP Physics. Topics will include real number functions, the derivative process,

and basic integration. Real-life applications will be explored and applied. In May, students will take the AP Calculus exam with the opportunity to potentially earn college credits at many public and private universities based on that test score.

MUSIC

**A fee is required if renting an instrument for the 2020-2021 school year.
Fees are subject to change upon School Board approval.*

9th Grade	10th grade	11th grade	12th grade
Canto Bello	Canto Bello	Canto Bello	Canto Bello
Vox	Vox	Vox	Vox
Band	Band	Band	Band
Band/Vox or Canto	Band/Vox or Canto	Band/Vox or Canto	Band/Vox or Canto
On Stage and Behind the Scenes	On Stage and Behind the Scenes	On Stage and Behind the Scenes	On Stage and Behind the Scenes

MU2011 & MU2012 – BAND

Elective: 9 - 12

Prerequisite: Middle School Band

1 credit / Yearlong Course

Instrument Rental Available

The purpose of high school band is to increase the student's level of musical proficiency and appreciation while making connections to other disciplines. Additionally, it is the goal of the course to make contact with music a life-long, meaningful experience that will enrich one's personal, social, and professional life. Knowledge of music fundamentals, a desire to participate, and some degree of proficiency on an instrument are required. **Students lacking in any of these areas may arrange private instruction to gain enrollment.** The DHS band handbook, issued to students at the beginning of every year, supplies students with an overview of expectations and other requirements. Performances (parades, pep bands, and concerts) **are required** and are part of the student's grade. Students will also be required to attend individual/group instruction throughout the school day or before/after school.

MU2021 & MU2022 -- VOX

Elective: 9 - 12

½ credit / Yearlong Course

Vox ("The Voice" in Latin) is a non-auditioned, recreational singing ensemble. Students in Vox will learn simple arrangements of popular music from varying genres and eras by rote (by ear). The overall goal of this ensemble is to celebrate the joy of music by singing in a fun, relaxed atmosphere. As such, anyone may join no matter their level of singing experience.

MU2031 & MU2032 -- CANTO BELLO

Elective: 9 - 12

Prerequisite: Instructor consent

½ credit / Yearlong Course

Canto Bello ("Beautiful Song" in Italian) is an auditioned choral ensemble. Singers in Canto Bello meet the following criteria: demonstrate a basic ability to match pitch, show an understanding of or willingness to understand basic music theory (pitch identification, rhythm reading, aural skills), and demonstrate a willingness to put forth their best effort in order to learn and perform varying difficulties of

choral music. Students will gain a working knowledge of musical styles and theory, explore world cultures and languages, and acquire the skills necessary to help them succeed in large group settings. Individual voice lessons are included and are a mandatory component of the course. **This ensemble performs at least two concerts per year. Concerts are an important method of assessment and are mandatory. There may be additional performances (optional or mandatory) at the director's discretion.**

MU2043 -- ON STAGE AND BEHIND THE SCENES

½ credit / First Semester

Elective: 9 - 12

Curtain up! This course will focus on the creative aspects of putting on a theatrical production from set design and building to stage makeup and costuming. Whether you've been in a musical before, have never set foot on the stage, or are more of a "behind the scenes" person, this course is for you! **NOTE: You do not need to be enrolled in this course to be a part of the musical, though it is encouraged.**

PHYSICAL EDUCATION

9th Grade	10th grade	11th grade	12th grade
PE 9/10	PE 9/10	Life Activities	Life Activities
	Health 10	Personal Fitness	Personal Fitness
		Advanced Personal Fitness	Advanced Personal Fitness
		Total Body Challenge	Total Body Challenge
		Officiating 101	Officiating 101
		Stress Management	Stress Management

PE2011 & PE2012 -- PHYSICAL EDUCATION 9

½ credit / Semester

Required: 9

The 9th grade Core Physical Education course provides a foundation for students to develop and improve skills in order to participate successfully in a variety of activities. The course is a balance of team and individual activities that students are likely to participate in beyond high school. Team sports include basketball, flag football, soccer, slow pitch softball, team building activities and volleyball. Individual sports include badminton, biking, **bowling (fee)**, fitness testing, pickleball, rock climbing, table tennis and weight training. Students are expected to improve their level of skill and knowledge, as well as understand the strategies for each sport. All students will participate in the Fitness Testing twice during the year. This course will emphasize the importance of safety, cooperation and sportsmanship.

PE2031 & PE2032 -- PHYSICAL EDUCATION 10

½ credit / Semester

Required: 10

The 10th grade Core Physical Education course provides a foundation for students to develop and improve skills in order to participate successfully in a variety of activities. The course is a balance of team and individual activities that students are likely to participate in beyond high school. Team sports include

basketball, flag football, soccer, slow pitch softball, team building activities and volleyball. Individual sports include badminton, biking, **bowling (fee)**, fitness testing, pickleball, rock climbing, table tennis and weight training. Students are expected to improve their level of skill and knowledge, as well as understand the strategies for each sport. All students will participate in the Fitness Testing twice during the year. This course will emphasize the importance of safety, cooperation and sportsmanship.

PE2041 & PE2042 -- HEALTH 10

½ credit / Semester

Required: 10

Health 10 is designed to help each student develop a positive lifestyle. The course approaches healthy living from a holistic perspective, to include the emotional, mental, physical and social aspects of life. Students will be shown how to value and enhance their personal health through critical thinking, decision-making and problem solving.

PE2051 & PE2052 -- LIFE ACTIVITIES

½ credit / Semester

Elective/Required: 11 - 12 (Bowling- fee)

Prerequisite: Successful completion of PE 9 & PE 10

Life Activities provides each individual with the opportunity to learn and participate in a wide variety of athletic and recreational activities. While development of teamwork, individual skills, and interests are important elements in the program, the major emphasis is on the development of physical fitness. Life Activities includes basketball, broomball, or floor hockey, speedball, soccer, softball, volleyball, and team building activities. Individual sports include archery, badminton, biking, **bowling (fee)**, fitness testing, pickleball, rock climbing, table tennis and weightlifting. Students are expected to improve their level of skill and knowledge, as well as understand the strategies for each sport. Also learn about the benefits of exercise and participate in fitness activities. All students will participate in the Fitness Testing twice during the year.

PE2061 & PE2062 -- PERSONAL FITNESS

½ credit / Semester

Elective/Required: 11 - 12

Prerequisite: Successful completion of PE 9 & PE 10

Personal fitness will provide students an opportunity to learn all the proper fundamentals, and safe techniques needed to participate in a weight training program. It will also give the students an opportunity to put their techniques into practice. This course will provide students with an introduction to the four core lifts, and all the auxiliary lifts needed in a properly designed weight program. This course will provide students an opportunity to put into practice all the proper principles of weight training. The course will also contain other components of fitness such as flexibility, agility, speed enhancement, and cardiovascular fitness.

PE2071 & PE2072 -- ADVANCED PERSONAL FITNESS

½ credit/ Semester

Elective: 11 - 12

Prerequisite: Successful completion of Personal Fitness

Advanced Personal Fitness class will provide an opportunity for students to develop a personalized lifetime fitness program. The student will be evaluated on their ability to perform their personalized fitness program and their expository reflection paper regarding this program.

PE2081 & PE2082 -- TOTAL BODY CHALLENGE

½ credit/ Semester

Elective: 11 - 12

Prerequisite: Successful completion of PE 9 & PE 10

Total Body Challenge is an elective physical education course that suits all high school students and aims to remove barriers of age, gender and fitness background. While introducing the theme of group fitness as a lifelong wellness choice, students will learn to self-assess, develop short-term and long-term personal fitness goals, develop an appropriate conditioning program, and work to meet the age and gender specific health related fitness standards defined by FITNESSGRAM. Equipment for this course will include resistance bands, medicine balls, stability balls, steps, weighted bars, dumbbells, and a wide variety of fitness videos all of which was purchased through our PEP Grant.

PE2091 - OFFICIATING 101

½ credit / First Semester

Elective: 11 - 12

Prerequisite: Successful completion of PE 9 & PE 10

Think you know the rules. Love sports but not confident about being a player. Then becoming an official is a perfect opportunity for you. This academically based class provides a foundation for students to understand the basic rules and officials mechanics in the sports of volleyball, soccer, basketball, baseball, and softball. There will be classroom instruction on rules and positioning as well as simulated games to apply knowledge. The goal of this course is to have each student demonstrate mastery of rules and mechanics in each sport, which will lead to becoming WIAA certified to officiate. We will partner with Juneau Rec, Beaver Dam Rec and Beaver Dam YMCA to provide opportunities for students. Students are required to work a tournament on two weekends as part of the class requirement.

PE2101 - STRESS MANAGEMENT

½ credit / Second Semester

Elective 11 - 12

Prerequisite: Health 10

This stress management course will explore the effects of stress as it relates to physical activity, academics and other aspects of life. Coping strategies are discussed and applied through physical activity and other stress management tools, while allowing the student to reflect on their own life stressors. The nature of stress, causes, and the body and mind’s response to stress are addressed in the classroom portion of the course. The activity portion of the class will introduce and implement mental and behavioral stress management techniques and exercise programming.

SCIENCE

9th Grade	10th grade	11th grade	12th grade
Biology	Chemistry	General Chemistry-TC	General Chemistry-TC
	General Chemistry-TC	Physics	Physics
		Genetics	Genetics
		Human Anatomy & Physiology	Human Anatomy & Physiology
		AP Chemistry	AP Chemistry
		Earth Science	Earth Science
		Astronomy	Astronomy
		Forensic Science	Forensic Science

		Biotechnology	Biotechnology
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SC2021 & SC2022 -- BIOLOGY

1 credit / Yearlong Course

Required: 9

This lab-based course will explore living things on earth using the 6 Unifying Principles of Biology. Energy/Matter/Organization and Continuity (reproduction and inheritance) will be covered in Semester 1, while Ecology, Homeostasis, and Evolution in Semester 2. Throughout the year, the processes of Scientific Inquiry will be emphasized along with Problem-Solving & Critical Thinking skills.

SC2041 & SC2042 – CHEMISTRY

1 credit / Yearlong Course

Required: 10; Elective 11 - 12

Prerequisite: Algebra I

Chemistry is the study of the composition of substances and the changes that substances undergo. This lab-based course will focus on the chemical topics to be literate in the field of science including the structure of the atom and matter, general behavior of chemicals, and common types of reactions. There will be a specific concentration on the application of chemistry to real-world problems.

SC1081 & SC1082 - GENERAL CHEMISTRY-TC

1 credit / Yearlong Course

Required/Optional 10 - 12

Pre/Corequisite: Algebra II with a “C” or better and Instructor’s Consent

The purpose of this course is to provide in-depth understanding of basic chemical processes and calculations. The depth of the material and the pace of instruction is *the same as that found at a technical college, resulting in technical college credit*. This course is also lab-based. Topics include data management and analysis, nomenclature, stoichiometry, reaction prediction, solution chemistry, acid/base chemistry, and gas laws.

SC2031 & SC2032 – PHYSICS

1 credit / Yearlong Course

Elective: 11- 12

Prerequisite: Algebra II

Students will identify and analyze physical events that occur every day and that many have personally used or experienced. Students will apply their mathematical skills during problem solving. Interactive labs are planned for students to apply what they have learned: taking measurements, predicting events and drawing conclusions. Topics that are studied include: Simple Motion, Two Dimensional Motion, Forces (Newton’s Laws), Energy, Work, Power, Momentum, Waves, Electromagnetics, and Magnetism. Students planning on post-secondary education in science, engineering, or health related fields are strongly encouraged to take this course.

SC2091 & SC2182 – GENETICS

½ credit / Semester

Elective: 11 - 12

Prerequisite: Biology with a grade of C or better

Students will study genetic inheritance in living organisms, including genetic crossing, DNA fingerprinting, restriction mapping of DNA, and transformation. The application of genetics will also be studied through various biotechnology lab activities. Related ethical issues, such as cloning, stem cell research, genetic engineering, and forensic technology will be discussed. Prerequisite: Biology with a grade of C or better.

SC3025 & SC3026 – HUMAN ANATOMY & PHYSIOLOGY

1 credit / Yearlong Course

Elective: 11 - 12

Prerequisite: Biology with a grade of A or B; Chemistry recommended

This course will use dissection, physiology experiments, models, computer simulations, microscopy labs, and lecture to learn the structure and function of the human body.

SC4031 & SC4032 -- AP CHEMISTRY

1 credit / Yearlong Course

Elective: 11 - 12

Weighted Grade

Scale

Prerequisite: Advanced/Honors Chemistry or Instructor's Consent; Pre-Calculus Corequisite

AP Chemistry is designed to be the equivalent of the general chemistry course that is usually taken during the first college year. Students should gain knowledge and understanding in dealing with chemical problems. Students will also experience laboratory experiments equivalent to that of a college course. Topics covered in this class include structure of matter, states of matter, reactions, descriptive chemistry, and an emphasis will be put on laboratory experiences.

SC1041 -- EARTH SCIENCE

½ credit / Semester

Elective 11 - 12

Earth Science is a semester long elective that focuses on Earth's systems. Topics to be covered include geology, meteorology, mineralogy, limnology, and Earth's history. In addition, attention to local land and water features will be given.

SC1051 -- ASTRONOMY

½ credit / Semester

Elective 11-12

Astronomy is a semester long elective that will focus on the area of cosmology. Students will study the universe including galaxies, stars, and systems. In addition, students will learn the laws of physics governing the cosmos. There will be a focus on the Earth's place in the universe.

SC1061 -- FORENSIC SCIENCE

½ credit / Semester

Elective 11 - 12

Forensic Science is the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. The course may include the investigation of fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood spatters, blood samples, and/or other topics. Students are taught the proper collection, preservation, and laboratory analysis of various samples in addition to how this evidence may be used in a court of law.

SC1071 -- BIOTECHNOLOGY

½ credit / Semester

Elective 11 - 12

This semester long course offers the student an opportunity to experience the basics of microbiology, human genetics, biotechnology, and exploration of bioethical issues. This Biotechnology course includes career exploration, as well as the history and applications of DNA/RNA technology, molecular biology, bioethics, and laboratory safe practices. Laboratory exercises and demonstrations will illustrate the basic techniques of biotechnology. Finally, the course concludes with a consideration of bioethical issues relating to this powerful new technology.

SOCIAL STUDIES

9th Grade	10th grade	11th grade	12th grade
World History	US History	Civics*	Economics**
	Psychology	Economics**	Psychology
	AP US Government & Politics*	Psychology	Contemporary Issues
	AP US History	Contemporary Issues	AP Psychology
		AP Psychology	AP US Government & Politics*
		AP US Government & Politics*	AP US History
		AP US History	

*meets the state requirement for Civics credit (MUST PASS CIVICS EXAM)

**meets Financial Literacy Requirement

SS1621 & SS1622 -- WORLD HISTORY AND CULTURES

1 credit / Yearlong Course

Required: 9

World History and Cultures will study the major regions of the world in light of the 7 elements of culture and 5 themes of geography. The students will explore the many facets of culture and how the geography, religion, and history of a region affects different regions today.

SS2017 & SS2018 -- U.S. HISTORY

1 credit / Yearlong Course

Required: 10

This course allows students to explore the more recent history of the United States. It will focus on the political, economic, and social history of the United States from the Reconstruction Era to the present. Students will work through the historical research and analysis process. While some major events in history will be given more focus, the primary goal of the course is to give students a very broad foundation of our nation's past.

SS2015 & SS2016 -- CIVICS

½ credit / Semester

Required: 11

Students will study the foundations of American democracy and the origins of American government. Emphasis is placed on the Constitution and the rights and responsibilities of citizens in a democratic society. In addition, the roles of political parties, campaigns & elections, public opinion, and the media will also be considered.

SS1611 & SS1612 – CONTEMPORARY ISSUES

½ credit / Semester

Elective: 11 - 12

This course is designed to expose students to the current issues the United States is currently facing through the study of current events and making connections to the historical ties of those events. Students will utilize the historical research process as well as questioning strategies to understand both the foreign and domestic issues involving the current state of the nation as well as the current history.

SS2072 – PSYCHOLOGY

½ credit / Semester

Elective: 10 - 12

Psychology is the study of individual behavior as people interact within their environment. Since this is the first time most students have come in contact with psychology, the course is structured to emphasize basic terminology, functions and theories of psychology. The course attempts to examine human behavior objectively and apply learning to real life events. Students will also participate in the psychological research process. The content of the course is for the mature social studies student.

SS2043 – FOUNDATIONS OF ECONOMICS

½ credit

/ Semester

Elective: 11 - 12

Meets Financial Literacy Requirement

Economics is a course that deals with how a society solves its problems of providing goods and services to its members. The course is divided into three parts. Part one covers the introductory concepts of economics. Part two goes on to explain the individual's role in the economy. The third part of the course puts the economic picture all together. Students will also participate in a stock market game which will apply content from the course.

SS1661-- AP UNITED STATES GOVERNMENT AND POLITICS

1 credit / Yearlong Course

Elective: 10 - 12

Weighted Grade Scale

Prerequisite: Civics or Teacher approval.

AP United States Government and Politics is a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will read and analyze U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments, and engage in an applied civics or politics research based project. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study time are necessary to succeed.

SS1651 & SS1652 -- AP PSYCHOLOGY

1 credit / Yearlong Course

Elective: 11 - 12

Weighted Grade Scale

Prerequisite: Psychology is highly recommended. Teacher approval is needed.

AP Psychology is a challenging course that is equivalent to a college course and students can possibly earn a college credit by scoring well on the AP Exam in May. It is a course designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students

are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed.

SS1701 & SS1702 - AP US HISTORY

Elective: 10 - 12

1 credit / Yearlong Course

Weighted Grade Scale

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.

TECHNOLOGY EDUCATION

****A class fee is required for all Tech Ed courses per semester for the 2020-2021 school year to cover basic take-home projects. Additional project costs may be incurred depending on selected project. Fees are subject to change upon School Board approval.**

9th Grade	10th grade	11th grade	12th grade
Basic Electricity	Basic Electricity	Basic Electricity	Basic Electricity
Basic Electronics	Basic Electronics	Basic Electronics	Basic Electronics
Cross Media Graphics 1	Cross Media Graphics 1	Cross Media Graphics 1	Cross Media Graphics 1
Basic Digital Photography	Basic Digital Photography	Basic Digital Photography	Basic Digital Photography
Residential Construction #	Residential Construction #	Residential Construction #	Residential Construction #
Problem Solving through Discovery	Problem Solving through Discovery	Problem Solving through Discovery	Problem Solving through Discovery
Publications*	Publications*	Publications*	Publications*
	Woods 1	Woods 1	Woods 1
	Welding 1	Welding 1	Welding 1
	Basic Home Maintenance #	Basic Home Maintenance #	Basic Home Maintenance #
	Advanced Digital Photography	Advanced Digital Photography	Advanced Digital Photography
	Cross Media Graphics 2	Cross Media Graphics 2	Cross Media Graphics 2

		Woods II	Woods II
		Welding II	Welding II
		Advanced Woods Technology	Advanced Woods Technology
		DT Manufacturing*	DT Manufacturing*
		SWAT*	SWAT*

= Offered every other year

* = No Fee (all others \$10.00 per class per semester)

TE2141 & TE2142 – BASIC ELECTRICITY/BASIC ELECTRONICS

1 credit / Yearlong Course

Elective: 9 - 12

Course Expense: *Soldering Projects (ranging from \$5.00 to \$20.00)*

ELECTRICITY—this course will help students explore basic electrical principles as well as home wiring. Students will develop an understanding of basic electrical theory, electrical power generation, electrical power distribution, and electric motors. The students will also learn the skills in electrical home wiring by completing labs that will allow them to see how electrical systems function.

ELECTRONICS—this course will allow students to apply electronic principles to basic electronic circuitry design. Current, voltage, and resistance equations will be calculated in both series and parallel circuits. Students will explore electronic circuitry, components, mapping circuit boards, wiring common circuits, as well as soldering. (Note: Students will need to buy at least 2 small soldering projects for the soldering unit at the end of the semester.)

TE2251 & TE2252 – WOODS I

1 credit / Yearlong Course

Elective: 10 - 12

Fee: Cost of materials, which may be purchased through the school

This course will cover all of the machines used in a standard woodworking shop. Students will receive detailed safety lectures/demonstrations/tests on the following machines: Planer/Surfacer, Jointer, Table Saw, Miter Saw, Band Saw, Drill Press, Lathe, Routers, Sanders, and general power tools. Student **MUST PASS THE SAFETY TESTS WITH 100%** before he or she will move onto measurement, calculating board feet, and project cost/board selection. A minimum of two projects will be completed. At the end of the year, the class's focus will shift to careers in the woodworking industry.

TE2261 & TE2262 –WOODS II

1 credit / Yearlong Course

Elective: 11 - 12

Prerequisite: Woods I

Areas of study include woodworking, drafting, problem solving, and technology modules in communications, transportation, construction and manufacturing.

TE2121 & TE2122 -- ADVANCED WOODS TECHNOLOGY

1 credit / Yearlong Course

Elective: 11 - 12

Prerequisite: Woods II & Instructor's Consent

This is an advanced course in Woods. Areas of study include: design, mass production, joinery, and construction of the student's personal project needs.

TE2211 & TE2212 -- WELDING/METALS I

1 credit / Yearlong Course

Elective: 10 - 12

Fee: \$40 for personal safety equipment/clothing (which becomes the student's personal property) and the cost of all project materials (which may be purchased through the school or independently)

This course will cover all of the welder/machines used in a standard metals or manufacturing shop. Students will receive detailed safety lectures/demonstrations/tests on several standard welders/machines. Students MUST PASS THE SAFETY TESTS WITH 100% before beginning "packet" work, which will lead to the making of a project. At the end of the year, the class's focus will shift to careers in the metalworking industry.

TE2221 & TE2222 -- WELDING/METALS II

1 credit / Yearlong Course

Elective: 11 - 12

Prerequisite: Welding/Metals I

Fee: \$40 for personal safety equipment/clothing (if needed)

This is an advanced course in metals. Areas of study include: Designing of projects, welding processes in gas, arc, mig, tig, and flame cutting using all positions. First semester is a reinforcement of welding skills. Second semester includes a partnership with John Deere Horicon Works where students design and build a propane or charcoal grill from the ground up, this course is highly recommended if interested in the field of engineering! Throughout the year several visits are made in the classroom by John Deere employees as well as field trips to the John Deere plant. Final unveil of the grill is in late Spring.

TE1501 & TE1502 -- CROSS-MEDIA GRAPHICS I

1 credit / Yearlong Course

Elective: 9 - 12

Graphic Communication and Design is one of Wisconsin's largest industries. Students will learn design principles, process and concepts related to layout, typography, advertising design, and digital illustration. Students will use professional software to design and print layouts including packaging, advertisements, brochures, and newsletters. First semester is an introduction to graphic communications, history and learning the software through a series of projects, both teacher and student designed. Second semester is primarily project-based where students will learn screen process printing and offset press printing.

TE1601 & TE1602 -- CROSS-MEDIA GRAPHICS II

1 credit / Yearlong Course

Elective: 10 - 12

Prerequisite: Passing grade in Cross-Media Graphics I

The need for cross-media, graphic design, communication and illustration skills spans across a wide array of careers, not just the print, advertising, media or visual communications industries. Cross-Media Graphics II is recommended for students who have an interest in pursuing a career in the field of graphic communications. Students will continue with their skill development introduced in Cross-Media 1. This course will move further into a higher level of understanding color applications, prepress, design layout

and composition, for a variety of printing processes, and digital communications. Students will also expand their knowledge of digital design and illustration. The student who takes this class must be capable and responsible to complete independent work. They must have self-initiative, good time management skills, and higher-level problem-solving skills.

TE1801 & TE1802 -- BASIC DIGITAL PHOTOGRAPHY and VIDEOGRAPHY ½ credit / Semester

Elective: 9 - 12

Required (unless prior approval from instructor): Access to a digital camera

Students learn to capture and compose images with a camera and will develop compositional skills. Photographic composition will be studied and students will gain insights that will help them take better pictures. Students will also learn the history and development of photographic technology while exploring its importance in journalism, advertising, fine art, and commercial applications for possible career choices. Post production including Photoshop will also be a major focus of the class. Students will also learn the basics of videography through the design and creation of a ‘movie-short’ project. Access to a camera is required, unless there is prior approval from the instructor. This course is offered each semester based on student enrollment. Students may only take this course once.

TE1901 & TE1902 -- ADVANCED DIGITAL PHOTOGRAPHY ½ credit / Semester

Elective: 9 - 12

Prerequisite: Basic Digital Photography

Required (unless prior approval from instructor): Access to a digital camera

The advanced student of photography will extend and refine the skills and techniques introduced in Photography, including creating and manipulating digital images in Photoshop, studio and commercial industry photography, lighting, and post-production. Advanced photography students will develop their portfolio. Each student will also plan, shoot, edit and create a short video using computer software. This course requires individual work, self-initiative, time management, and problem-solving skills, with guidance and collaboration from the instructor. Required (unless prior approval from instructor): Access to a digital camera. Students may only take this course once.

TE2051 & TE2052 – PUBLICATIONS ½ credit / Semester

Elective: 9 - 12

Prerequisite: Instructor’s consent & Application required

In this course students will gain hands on experience in the problem solving process and skills required to design and produce a publication, the school yearbooks (Elementary, Memory Book; Middle School, Flashback; and High School, Reflections).

- Student should exhibit a strong interest in writing.
- Student should exhibit a strong interest in photography.
- Student is self-motivated and meets goals set for themselves and their team.
- Student must have the ability to attend out of school events.
- Student must exhibit exemplary behavior as outlined in the Trojan Code of Conduct.
- Student is willing to work as a team to create a Yearbook that reflects Dodgeland School District and ALL students.

Application process must be completed before the start of the semester. This course may be selected more than once with new application approved each semester and credit being granted for each successful semester.

TE2001 & TE2002 – RESIDENTIAL CONSTRUCTION

1 credit / Yearlong Course

Elective: 9 - 12 (**EVEN years; offered 2021-2022**)

This course gives students a basic understanding of residential building. The course will cover residential construction from foundation to roof systems. Students will learn proper framing techniques, tool usage, and other skills and equipment found on a typical construction site. This course will also help the student develop basic home improvement and maintenance skills. Students will do small basic design problems and then use knowledge gained from those to design a building of their choice. The student will demonstrate teamwork and employability skills consistent with real-world job site requirements through class projects, as well as design and drawing a residential building or home. Required: safety glasses.

TE1691 & TE1692-- BASIC HOME MAINTENANCE

1 credit / Yearlong Course

Elective: 10 - 12 (**ODD years; offered 2020-2021**)

This course will cover basic home/rental maintenance in order to provide students with the necessary knowledge to be independent and successful in post-secondary life. The various topics in the course will include: structural and mechanical residential maintenance, diagnostics and upkeep, basic plumbing and electrical repairs, home appliance maintenance and troubleshooting, weatherization and seasonal maintenance of both home, basic automotive maintenance and yard equipment, painting, flooring, wall, kitchen/bath, basic woodwork repair. Required: safety glasses.

TE2301 & TE2302 -- PROBLEM SOLVING THROUGH DISCOVERY

1 credit / Yearlong Course

Elective 9 - 12

This class will teach you how to be an effective problem solver based on a series of lessons and projects. We will start with the class talking about Design and Problem solving process with along with some short lessons on shop safety (primarily the bandsaw, miter saw, drill press, and sander will be used for this class). We will also have short lessons in regards to sketching and blueprint reading in order to put our design work on paper. From there we will do a number of team projects throughout the year including but not limited to tower design, bridge design, smaller model mouse trap cars with catapults, a final Rube Goldberg project among others.

TE2311 & TE2312 -- DT MANUFACTURING

1 credit / Yearlong Course

Elective: 11 - 12

Prerequisites: Students must have taken Woods 1 and Welding 1 (to manufacture products safely in the shop) Intro to Business or Accounting 1 (for running Business). Students are also encouraged to have taken Arts and Ideas or Sculpture for design reasons.

This class will operate its own student run business out of the high school shop. The class will focus on all aspects of today's manufacturing industry. Students will use previously learned skills from Art, Business, and Technology Education. The students will be responsible for quoting jobs, ordering material, manufacturing parts, quality control, shipping, receiving, invoicing, customer service, accounting, keeping track of hours, maintaining equipment, and everything else it takes to run a business. The class will also be generating funds to help further our tech. ed. program, and pay a percentage back to students for being hard working employees.

SWAT - STUDENTS WORKING to ADVANCE TECHNOLOGY (SWAT) Team

Elective: 11 - 12

Requirements: Must be a Junior or Senior. 2.5 GPA passing all classes throughout the semester. Application and interview required. Must be able to demonstrate basic computer knowledge.

In this course, students will work along with Dodgeland's IT department to assist in providing tech support, repair and maintenance on a wide variety of the school's computer hardware, software and network equipment. Students will learn troubleshooting skills required to solve computer related problems as well as personal skills needed for working with computer users that require assistance.

Students who demonstrate maturity, interest, technical skills and ability to work independently may apply for the program. Students are screened during an application process that includes an ethics evaluation and a teacher recommendation.

- SWAT will provide routine maintenance and technical support for the school devices and network.
- SWAT will assist in installing software on district owned devices.
- SWAT will perform toner replacement and troubleshooting on printers/copiers.
- SWAT will form learning partnerships between students and staff with different levels of technology skills.

Juniors (Grade 11) may have 1 class period will earn them .5 credit per semester

Seniors (Grade 12) will have the option of a 1 or 2 class periods .5 or .75 credits per semester

No more than 2 students will be enrolled in the course per hour or block time

WORLD LANGUAGES

9th Grade	10th Grade	11th Grade	12th grade
German 1	German 1	German 1	German 1
Spanish 1	Spanish 1	Spanish 1	Spanish 1
German 2	German 2	German 2	German 2
Spanish 2	Spanish 2	Spanish 2	Spanish 2
	German 3	German 3	German 3
	Spanish 3	German 3	Spanish 3
		German 4	German 4
		German 4	German 4
			Spanish 5
			German 5

FL2011 & FL2012 -- SPANISH 1

1 credit / Yearlong Course

Elective: 9 - 12

It is the aim of the beginning Spanish course to set the formation of new habits to train the student to speak and to understand simple, basic, and common speech patterns. Students will be introduced to Spanish sounds, basic vocabulary, basic grammar, word order, expressions, present tense, and preterit tense. Students will become familiar with the Spanish-speaking world through its history, people, customs, and music. A semester project is required.

FL2021 & FL2022 -- SPANISH 2

1 credit / Yearlong Course

Elective: 9 - 12

Prerequisite: Spanish 1 with a final grade of "C" or higher in Spanish I or Instructor's Consent

This course provides an intermediate level of study and review. Vocabulary is increased and finer points of grammar are mastered; all verb tenses are learned. Students are introduced to the Subjunctive mood. Communication in the target language is expected. Students are expected to develop an understanding of what is said, write short compositions with minimal mistakes, and read intermediate material. An understanding of Hispanic culture grows through their study of customs, art, history, music and geography. A semester project is required.

FL2031 & FL2032 -- SPANISH 3

1 credit / Yearlong Course

Elective: 10 - 12

Prerequisite: Spanish 1 and 2 with a final grade of "C" or higher in Spanish II or Instructor's Consent

Spanish 3 continues the development of the student in the four skills of communication: reading, writing, speaking and listening comprehension in preparation for college. Students continue to increase their vocabulary, review and master verb tenses, learn new voices, and participate in group discussions. Students will keep a weekly journal. Cultural studies include music, art, history and literary works. A semester project is required.

FL2041 & FL2042 -- SPANISH 4

1 credit / Yearlong Course

Elective: 11 - 12

Prerequisite: Spanish 1, 2 & 3 with a final grade of "C" or higher in Spanish 3 or Instructor's Consent

Spanish 4 is an advanced level of study designed for college bound students and those considering a career in which a foreign language will be useful or necessary. This course will maintain and strengthen the language skills already achieved. It will include: a review of all grammar, a study of advanced tenses, literature, mini novels, and correspondence. A weekly journal will be kept which allows for writing practice and improvement. Students are expected to do a semester project.

FL2111 & FL2112 -- SPANISH 5

1 credit / Yearlong Course

Elective: 12

Prerequisites: Spanish 1, 2, 3 & 4 with a final grade of "C" or higher in Spanish 4 or Instructor's Consent

Spanish 5 is a continuation of Spanish 4 and will challenge the driven student in the areas of reading, writing, speaking and culture. Students will be expected to maintain a weekly journal on a variety of topics that will challenge them to express themselves in the target language. Students will be expected to carry on conversations in Spanish and fine tune their Spanish skills for college and beyond. Material and individual topics will be decided and arranged depending on enrollment.

FL2061 & FL2062 -- GERMAN 1
Elective 9 - 12

1 credit / Yearlong Course

In this beginning level German course, students will be introduced to the German speaking world, its people, language, customs, geography and culture. Students will also be introduced to basic grammatical concepts, such as pronouns, verbs, word order, and present tense sentences to name just a few examples. By the end of the year, students will demonstrate their learning by being able to communicate relevant personal information in various social situations. If time permits, students may also have the opportunity to do a hands-on research project to deepen their cultural understanding.

FL2071 & FL2072 -- GERMAN 2
Elective 9 - 12

1 credit / Yearlong Course

Prerequisite: German 1 with a final grade of "C" or higher in German 1 or Instructor's Consent

German 2 is a continuation of cultural and grammatical topics and concepts learned in German I. For example, students will be able to express themselves on a deeper level, expressing likes, dislikes, and preferences as well as learn the past tense among many other topics. Students will gain additional skills through daily speaking practice that enable them to get in and out of typical cultural situations, interact appropriately and tend to personal welfare. Culture continues to be explored through readings and/or projects.

FL2081 & FL2082 -- GERMAN 3
Elective 10 - 12

1 credit / Yearlong Course

Prerequisite: German 1 & 2 with a final grade of "C" or higher in German 2 or Instructor's Consent

German 3 fine tunes grammatical concepts of the present, past and future tenses. This course is conducted primarily in German giving students ample opportunity to develop speaking and listening proficiency. Culture is stressed through the reading of several German short stories, mini-readers and other supplementary materials.

FL2091 & FL2092 -- GERMAN 4
Elective: 11 - 12

1 credit / Yearlong Course

Prerequisite: German 1, 2, and 3 with a final grade of "C" or higher in German 3 or Instructor's Consent

Students will draw from previous knowledge and concepts learned in German 1-3 and will continue building and fine-tuning their skills in the areas of grammar and written and verbal communication. In addition, students will also spend time reading German-language selections in order to promote reading comprehension and cultural understanding. Students will also keep a weekly journal and express themselves on a variety of topics in the target language. Material and individual topics will be decided and arranged depending on enrollment.

FL2101 & FL2102 -- GERMAN 5
Elective: 12

1 credit / Yearlong Course

Prerequisites: German 1, 2, 3 & 4 with a final grade of "C" or higher in German 4 or Instructor's Consent

German 5 is a continuation of German 4 and will challenge the driven student in the areas of reading, writing, speaking and culture. Students will be expected to maintain a weekly journal on a variety of topics that will challenge them to express themselves in the target language. Students will be expected to carry on conversations in German and fine tune their German skills for college and beyond. Material and individual topics will be decided and arranged depending on enrollment.