

JHS Course Description Guide



2021-2022

Note to Student & Parent(s)

Before you begin the journey to register for classes, take time to access the following resources so that you can make the most informed decisions about choosing classes that will align with meeting graduation requirements and your post-secondary plans.

Resources

[Personal Curriculum \(PC\)](#)

[Michigan Merit Curriculum \(MMC\)](#)

[JHS Counseling Office > Academics](#)

[Scheduling](#)

Course Description Guide

JHS Graduation Requirements

Dual Enrollment Application

Tech Center

Online Learning

Online Course Request Form

Graduation Requirements

Testing Out

Career Preparation

The School-to-Career office, in conjunction with the Counseling Department, offers the following activities for students. These exist to allow students varied opportunities to explore possible career paths. If you have any questions or would like more information, please contact your counselor or the School-to-Career administrative assistant in the Counseling Office.

Career Preparation Activities:

- *Education Development Plans (EDPs)* – Four year plans developed and reviewed annually to outline a student's academic plan at the high school.
- *Job Shadowing* – A short, one day or less, site visitation of a job you want to investigate.
- *Work Based Learning (WBL)* – Work based learning, paid.
- *Various other opportunities as they develop* – listen to daily announcements.

Applied Technology

Each Applied Technology course fulfills .5 Visual, Performing, and Applied Arts (VPA) credit.

Construction (course #615)

Grades 10, 11, 12

Construction introduces career and occupational employment opportunities available in the construction industry, as well as, learning to make a variety of basic home repairs. This lab-based course develops skills associated with the construction trade and home repair including drywall, painting, and electrical installation. The class will have a strong focus on safety and machine use as it relates to industry. Students will demonstrate an understanding of workshop protocol and employability skills, as well as produce projects related to the construction trade field. Students will build a budget for home remodel projects and also study green remodeling and the use of green material in home improvement. Because different projects will be given for terms S1 and S2, **this course is repeatable and can be selected twice.**

Woods I (course #650)

Grades 9, 10, 11, 12

In Woods I, students gain a better understanding of industrial occupations. Areas covered are: basic hand tools, power hand tools, power equipment, maintenance, safety, wood joint construction, material testing, wood finishing, product design, machining and product fabrication. Students will demonstrate an understanding of workshop protocol and employability skills, as well as construct several projects.

Woods II (course #651)

Grades 9, 10, 11, 12

Prerequisite: Woods I

This course provides the opportunity for students to design and build furniture. Students will demonstrate an understanding of workshop protocol and employability skills, as well as skills associated with the production of furniture. Each student will design and construct a project for the class that will be entered into the MITES woodworking competition. **Because projects can vary, this course is repeatable and can be selected twice in a year.**

***Construction Articulation Agreements**

Students completing the following courses with a 3.0 GPA or higher and signed documentation from the CTE Director for the class are eligible for advanced credit at the following universities/colleges. These credits will appear on a student's college transcript once they have applied, been accepted, and successfully completed at least one additional course.

The following universities participate in Construction Articulation Agreements. To find out if you are eligible for credit, please see the CTE Director in the CTE office.

Baker College

Davenport University

Washtenaw College

Art

Each Art course fulfills .5 Visual, Performing, and Applied Arts (VPA) credit.

Art Basics (course #913)

Grades 9, 10, 11, 12

Not sure what kind of art you like? This class goes through a wide variety of different materials and techniques so you can try a little bit of everything including painting, drawing, ceramics, and mixed media! Some projects include chalk pastel animal eye drawings, Huichol yarn paintings, clay vessels with sgraffito decorations, and more!

Avenues of Art (course #919)

Grades 9, 10, 11, 12

How does art play a role in your life? In this class students will discover new routes and purposes of art making and will be challenged with creative problem solving strategies! This course will allow students to pick an area of their interest in art. Students will then have the opportunity to further explore their “avenue” through design thinking skills.

Digital Photography & Graphic Design (course #906)

Grades 9, 10, 11, 12

Do you like to work on a computer? In this class students will use Adobe Photoshop to explore the artistic approaches to learn photo enhancing tools and photo manipulation techniques. Students will then learn to use Adobe Illustrator to explore the fundamentals of graphic design, visual literacy, and typography. Some projects include creating your own combining photos, emojis, personal brand logos, and more!

Drawing (course #920)

Grades 9, 10, 11, 12

Are you looking to improve your drawing skills? This class focuses specifically on drawing materials such as graphite, charcoal, colored pencil, pastels, ink and digital software! Students will get a chance to develop their technical skills in rendering of objects, landscapes, human forms, portraiture, linear perspective as well as other drawing strategies!

Illustration, Comics, & Manga (course #921)

Grades 9, 10, 11, 12

Do you like to draw, but not necessarily anything “realistic”? This class focuses specifically on stylized drawing techniques and uses materials such as graphite, pen, ink, and marker! Some projects will include creating illustrations for your favorite book, compositions for comic strip layouts, developing your own characters, fashion design, and more!

Painting (course #924)

Grades 9, 10, 11, 12

Do you enjoy painting? This class focuses specifically on painting materials such as watercolor, acrylic, oils, ink, and mixed media collage! This one semester course teaches students the basics of color theory and expression through a variety of painting techniques. Students will then be given more in depth problems to solve creatively using various painting media.

Sculpture and Metals (course #926)

Grades 9, 10, 11, 12

Do you like to build things? This class focuses specifically on 3-dimensional materials such as paper mache, ceramics, textiles, and metal! Some projects include potter’s wheel clay vessels, paper mache sculptures, metal ring castings, mixed media jewelry, and more!

Advanced Placement Art Portfolio 1&2 (courses #938 & #939 called *AP Art Portfolio 1&2* in PowerSchool)

AP 2D Art and Design

Grades 10, 11, 12

Prerequisite: Successful completion of one other Art class AND recommendation from JHS art teacher

Are you an advanced artist? This year-long class allows advanced artists the freedom to deeply explore their own 2-dimensional materials, techniques, and interests while developing a professional portfolio to use for college credit, applications into college, and more!

Business Education

Accounting 1&2 (courses #527 & #528)

Grades 9, 10, 11, 12

Fulfills Senior Math requirement

What do Wesley Snipes, Nicholas Cage, Marc Anthony and Martha Stewart have in common? Find out as we explore forensic accounting as part of this exciting course. In addition, this course will prepare students to understand the language of business, analyze business transactions, prepare and analyze financial documents and use spreadsheet software. *See below for Business Department Articulation Agreement details on obtaining credit through Davenport University, Baker College, or Grand Rapids Community College.

Advanced Marketing 1&2 (courses #550 & #551)

Grades 11, 12

Prerequisite: Marketing 1&2

Are you a born leader with awesome people skills? Advanced Marketing is a continuation of Marketing 1 & 2 and is the perfect way to become more involved with DECA and gain real job experience. Students will be automatic members of our local DECA chapter and will have the chance to work with local businesses on conducting market research and creating promotional plans. Students will also have the opportunity to gain management experience through the Cat's Corner and Green Bean, our two school based enterprises, by making decisions about store promotions, inventory, and social media. *See below for Business Department Articulation Agreement details on obtaining credit through Davenport University, Baker College, or Grand Rapids Community College.

Building Wealth (courses #509)

Grades 9, 10, 11, 12

Fulfills .5 credit of Senior Math requirement

Building Wealth furthers student understanding of two specific business activities-accounting and finance. Through team activities and a semester-long corporate investment project, students make connections between accounting and finance. Students acquire an understanding of financial statements, calculate financial ratios, and make corporate financial management decisions based on their analysis of that financial data. In addition, students apply the concepts of operating and overhead costs, internal accounting controls, and budgets to their class business. Lastly, cost/benefit analysis is introduced as an element of financial planning and decision-making.

Business Management (course #516)

Grades 9, 10, 11, 12

With starting salaries of over \$40,000 and mid-career salaries exceeding \$70,000, Business Administration and Management continues to be the most popular college major according to USA Today. This course will prepare students with skills related to business at all levels. Students will receive training in common business skills plus career planning and business ethics. They will focus on foundation skills, such as listening/speaking, management and leadership, problem solving, human relations, etc. *See below for Business Department Articulation Agreement details on obtaining credit through Davenport University, Baker College, or Grand Rapids Community College.

Entrepreneurship 1&2 (courses #552 & #553)

Grades 10, 11, 12

Have you dreamed of owning your own business? Would you like to be your own boss? In Entrepreneurship students will replicate all the functions of real businesses in both structure and practice. Under the guidance of a teacher-facilitator and business mentors, students create and manage their virtual businesses from product development, production and distribution to marketing, sales, human resources, accounting/finance and web design. *See below for Business Department Articulation Agreement details on obtaining credit through Davenport University, Baker College, or Grand Rapids Community College.

Financial Management (courses #508)

Grades 9, 10, 11, 12

Fulfills .5 credit of Senior Math requirement

Financial Management begins by taking a look at managing student's personal finances. The class will explore strategies for maintaining a debt free lifestyle. Topics explored throughout the semester include: managing a checking and savings account, exploring types of credit and how to manage it, paying for college, budgeting, investing, financial pitfalls, career exploration, taxes and insurance. Want to be prepared for life after high school? This course will show you how.

Marketing 1&2 (courses #543 & #544)

Grades 10, 11, 12

Successful completion of Marketing 1&2 fulfills Economics requirement

The Princeton Review names Business as one of the top 10 college majors, and Marketing is a great place to learn the foundations needed to be successful later on. If you are looking to become a whiz at how to organize, plan, price, distribute, and promote products or services this class will be a perfect fit. Students will study sales, economics, merchandising, product management, promotion, entrepreneurship and learn job development skills while working in our own school based businesses, the Cat's Corner and Green Bean. Students will also have the opportunity to join DECA, which is a student

organization designed to prepare students for a career in a business field. *See below for Business Department Articulation Agreement details on obtaining credit through Davenport University, Baker College, or Grand Rapids Community College.

BL Office Management (Blended) (course #507BL)

Grades 9, 10, 11, 12

Even though Microsoft has been around since 1975 it is still known as one of the top softwares used by businesses around the world today. This course will focus on learning the skills needed to be proficient in Word, Excel, and PowerPoint through real life business scenarios which will give you a leg up in future careers. Students will learn about communication, entrepreneurship, business law, and international business. *See below for Business Department Articulation Agreement details on obtaining credit through Davenport University, Baker College, or Grand Rapids Community College.

Website Design (course #541)

Grades 9, 10, 11, 12

Fulfills .5 Visual, Performing and Applied Arts Credit (VPA credit)

Learn the basics in a field that is projected to grow faster than average in the next 10 years and is one of the top careers with a shortage of employees. Students in Website Design will create and design web pages in a business setting. The course will include units on e-commerce, Internet ethics, HTML coding, and Photoshop.

The following courses are Work Based Learning (WBL) related courses:

Accounting 1&2	Advanced Marketing 1&2	Building Wealth
Business Management	Entrepreneurship 1&2	Financial Management
Marketing 1&2	Office Management	Website Design

***Business Articulation Agreements**

Students completing the following courses with a 3.0 GPA or higher and signed documentation from their instructor for the class are eligible for advanced credit at the following universities/colleges. These credits will appear on a student's college transcript once they have applied, been accepted, and successfully completed at least one additional course.

Jenison Course

Accounting 1&2
Business Management
Marketing 1&2
Advanced Marketing 1&2
Office Management

Davenport University Equivalency

(also Scottish Qualifications Authority Equivalency)

ACCT201 Accounting Fundamentals 1
MGMT211 Management Foundations
MKTG 211 Marketing Foundations
MKTG 212 Professional Selling
CISP112 Applied Information Technology

Degrees (link) available at Davenport that require the above courses:

[Accounting](#)
[Business BBA](#)
[Marketing](#)

Jenison Course

Accounting 1&2
Entrepreneurship
Office Management
Office Management
Office Management

Grand Rapids Community College (GRCC) Equivalency

BA 156 Accounting Fundamentals
BA 105 Entrepreneurship
CIS 103 Introduction to Windows and Microsoft
CIS 155 Word
CIS 156 Excel

Degrees (link) available at GRCC that require the above courses:

[Accounting](#)
[Business Administration](#)
[Entrepreneurship Certificate](#)

Jenison Course

Accounting 1&2
 Accounting 1&2
 Business Management & Office Management
 Business Management & Office Management
 Business Management & Office Management
 Business Management & Office Management
 Entrepreneurship
 Entrepreneurship
 Financial Management & Building Wealth
 Financial Management & Building Wealth
 Marketing 1&2
 Marketing 1&2

Baker College Equivalency

ACC 1010 Principles of Accounting 1
 ACC 1020 Principles of Accounting 2
 FIN 1010 Personal Finance
 LAW 2110 Business Law
 MGT 1010 Introduction to Business
 MGT 1110 Professional Management Behavior
 MKT 1110 Principles of Marketing
 EN 2010 Introduction to Entrepreneurship
 ACC 1010 Principles of Accounting 1
 ACC 1020 Principles of Accounting 2
 MKT 1110 Principles of Marketing
 EN 2010 Introduction to Entrepreneurship

Degrees (link) available at Baker College that require the above courses:

[Accounting](#)

[Business Administration](#)

[Marketing](#)

Computer Science

***See Mathematics**

Family and Consumer Science

Food & Nutrition Science *(course #721)*

Grades 9, 10, 11, 12

The focus of this course is to present nutrition education in relationship to personal wellness. Food preparation allows students to recognize and experience the recipes and promote increased awareness of nutritional value in their diet. Food labs also allow students to work with kitchen equipment. Students will use food labels to analyze the nutritional value of food and its effect on the body.

Independent Living *(course #735)*

Grades 9, 10, 11, 12

This semester course is designed to prepare students for the transition from living at home to living on their own after graduation. Students will learn about the important decisions made in the areas of money management and being a wise consumer. Some specific topics include: renting an apartment, creating a budget, buying a car, acquiring insurance, using bank services, and the responsibilities of credit.

Teen Living *(course #713)*

Grades 9, 10, 11, 12

Fulfills .5 Visual, Performing, and Applied Arts (VPA) credit

This semester course introduces students to sewing and interior design. Students will learn basic sewing machine skills while creating a project. In the interior design unit, students will explore the basic principles of design while creating a floor plan. In addition, students will use color schemes with design elements to create an ideal room.

Language Arts

The following Courses will satisfy both Writing and Literature Requirements (LR)(Wr).

English 9 1&2 (courses #112 & #113) (LR) (Wr)

Grade 9

English 9 – Spanish Immersion 1&2 (courses #112SI & #113SI) (LR) (Wr)

The goal for Language Arts 9 is to build a solid foundation of knowledge, skills, and strategies that will be refined, applied and extended as students engage in more complex ideas, texts, and tasks. In Language Arts 9, students will be introduced to the various genres of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. The writing pieces include the argumentative essay, personal narrative, and research paper, along with other shorter assignments.

- The texts covered in English 9 will be *Romeo and Juliet*, *The Odyssey*, *To Kill a Mockingbird* as well as many other texts chosen to build a solid foundation of knowledge, skills and strategies.
- The texts covered in Spanish Immersion English 9 will be *La casa de Bernarda Alba* (a Spanish play), *The Odyssey* (translated into Spanish), *To Kill a Mockingbird* (translated into Spanish) as well as many other texts (including authentic Spanish works, as well as translated) chosen to build a solid foundation of knowledge, skills and strategies.

Honors English 9 1&2 (courses #110 & #111) (LR) (Wr)

Grade 9

Prerequisite: Approved application and recommendation of 8th grade English teacher

Honors English 9, a two semester course, is designed for the academically talented student who has achieved excellent English grades in junior high, has initiative and follow-through and has a creative and cooperative spirit. The goals of English 9 will be pursued, but at a deeper level. The student should have mastered grammar, punctuation, usage and have excellent time management and study skills. Though the homework, summer work included, is often challenging, the trade-off is a sharpened writing ability, a better vocabulary and an ability to analyze literature in more depth. Literature covered includes *To Kill a Mockingbird*, *Lord of the Flies*, *Romeo and Juliet*, *The Help*, excerpts of the *Odyssey*, and additional fiction and nonfiction selections.

English 10 1&2 (courses #180 & #181) (LR) (Wr)

Grade 10

English 10 – Spanish Immersion 1&2 (courses #180SI & #181SI) (LR) (Wr)

Language Arts 10 is a two-semester workshop-centered course that has been designed to give students a rich and challenging Language Arts experience. Students will read, write, and analyze a variety of genres. They will also strengthen their skills as narrative, informative, persuasive, and research writers and will continue to develop as speakers and listeners. Students will participate in whole-class text studies of *A Raisin in the Sun* and *The Great Gatsby*, form world literature and classic literature book clubs, and choose individual reading assignments based on personal interest and ability. They will complete several formal and informal writing assignments, including a short story, an argumentative essay, a research paper, and a literary analysis. In Spanish Immersion English 10, English titles will be replaced with comparable Spanish texts.

English 11/12 – Spanish Immersion 1&2 (courses #188SI & #189SI) (LR) (Wr)

Grades 11, 12

This class is a year-long course in advanced writing and literature for Spanish Immersion to gain further experiences in authentic texts and styles from Spanish-Speaking countries and individuals. The year will be separated into reading and writing units with a focus on genre (Poetry, Short Fiction, Novel, etc...), region (Central America, Spain, South America), trends (Magical Realism, the “Boom”, la Vanguardia, el Modernismo, and Romanticism), and theme (Revolución, Amor, Identidad). The texts will include novels, short stories, drama, poems, non-fiction writing, videos, songs, and movies and there will be verbal and written discussions to make sense of the works. Students will also be expected to write creatively and extensively experimenting in the styles of other authors, and forming their own, compiling a portfolio of their created works. There will be inquiry-driven units where students will form groups and study a particular regions’ or individuals’ style to form opinions on culture and common themes in Spanish literature. **This course is repeatable and can be selected for both 11th and 12th grades since the content is taught on a two-year rotation.**

Advanced Placement English Language and Composition 1&2

(courses #105 & #106 called *AP English Lang & Comp 1&2* in PowerSchool) (LR) (Wr)

Grades 11, 12

Prerequisite: Successful completion of English 9 1&2 and English 10 1&2

AP® Language and Composition is a full year course in writing and rhetoric. The major goal of the course is to learn to write arguments that are clear, well developed, and interesting. To accomplish this, students will practice generating and organizing ideas, writing multiple drafts, evaluating with peers, revising, and editing for technical correctness. The majority of essays will involve rhetorical analysis, synthesis of evidence from multiple sources, and argumentation. Students will also learn how to organize, document, and revise a formal research paper. Responsibility and self-discipline are important for success. In order to write impromptu essays quickly, it is important to become your own best critic. Students may attend after school review sessions during the second semester prior to the AP® test in the spring.

Advanced Placement English Literature and Composition 1&2

(courses #103 & #104 called AP English Lit & Comp 1&2 in PowerSchool) **(LR) (Wr)**

Grade 12

Prerequisite: AP English Lang & Comp 1&2 OR by Teacher Approval

Summer Requirement will include 2-3 novels, and study packets (handed out at the end of the previous school year)

Advanced Placement® Literature, a one-year class for seniors, is the final course for students wishing a rigorous academic education in English literature. Designed to enable students to succeed in taking the College Board's Advanced Placement® Literature exam, the course focuses in-depth analysis of advanced literary forms. The selected readings originate from historical periods ranging from the Greek/Roman period to the modern era. Evaluation of student progress is based upon class participation, test scores, projects, and writings. Writing assignments in part draw upon past Advanced Placement® English Exam questions. Passing the AP® exam offers the possibility of receiving college credit.

The following Courses will satisfy the Literature Requirement (indicated by (LR) symbol).

Film & Literature Analysis *(course #108)* **(LR)**

Grades 10, 11, 12

This is a one-semester course that explores the relationship between literature and film. There is an ever-increasing need for students to have the ability to demonstrate critical thinking skills, and studying visual literacy invites critical thinking. The mission of this class is not "let's watch movies" but rather to study films that are rooted in novels and/or have made a lasting impression on society. Film combines the use of literary, dramatic, and cinematic elements to bring a story to life. In class, we will learn to decode various media as literary texts and discuss their personal, social, and/or global value. Expect to view and study a number of films throughout the course, participate in class discussions, create original film projects, write analyses, as well as study screenplays and read novels that inspire films. The goal of the class is for everyone to become knowledgeable, appreciative readers who become more perceptive, critical viewers of films.

Modern Literature *(course #134)* **(LR)**

Grades 10, 11, 12

Modern Literature students should be prepared for a psychological voyage through the world of contemporary literature in the Twentieth Century. This class will be presented on a thematic basis, focusing on such units as Popular Psychology, Identity, Emotions, Heroes and Values. Students will read from a variety of literary genres: novels, short stories, poetry, drama, songs, as well as nonfiction. Grades are based on unit tests, essays, projects, and class notes on each unit. The major class activities are discussions and reading; thus, the Modern Literature student should like to read, to think and to respond to the themes within the readings as well as the terms within each unit. The major emphasis in the course will be on the authors' views, not factual information about those authors. As a result of this emphasis on views and ideas, students will learn more about themselves, others, and life through this literary journey.

Multicultural Literature *(course #123)* **(LR)**

Grades 10, 11, 12

The purpose of this course is for all of us (students and teachers) to gain an understanding and appreciation of culture, cultural values, and perspectives by reading works written by authors of a variety of backgrounds. Students will explore multicultural perspectives through novels, plays, films, short stories, poems, music, and non-fiction texts representing different regions around the globe. The objective is to expose students to the complex and diverse cultural and social realities of contemporary global society. This semester course is designed for 10th, 11th, and 12th grade students with an interest in seeing the outside world through a broader lens.

Science Fiction *(course #130)* **(LR)**

Grades 10, 11, 12

Science Fiction is a one-semester class that focuses on this influential genre of literature. Sci Fi is often called a "literature of ideas," and it deals with many of the challenges we face as individuals and as a society—past, present, and future. Through readings of fiction and non-fiction texts, as well as viewing and analyzing important Sci Fi films and documentaries, students will see how different people respond to important issues in our world—issues like artificial intelligence, robotics, and genetic engineering. The class also delves into speculative topics, such as inter-galactic space adventure, alien life, and time travel. At its best, science fiction inspires wonder and urges us to think critically and creatively. This course is designed for 10th, 11th, and 12th grade students.

The following Courses will satisfy the Writing Requirement (indicated by (Wr) symbol).

Creative Writing (*course #140*) **(Wr)**

Grades 11, 12

Creative Writing is a one-semester class focused on the forms and techniques of creative writing. Students will understand how creative writing differs from essay writing. Throughout the semester, students will look at the world and their lives as material to write about. Students will learn to practice the art of creative writing. They will learn what it takes to draw a reader into their writing, hold their attention, and transport them to another world. Since the class teaches the form and art of creating original writings, a student should have good basic skills of language before entering the class. Also, if the student author has self-discipline, a love of reading, a vivid imagination, a willingness to experiment with words, an appreciation of writing styles, and some previous writing experience, he or she is well prepared. In short, it is the student's job to play the role of a novice writer, while the teacher assumes the role of literary critic and provides the writer with instruction in writing technique and style. Students are required to participate in all phases of the writing process, to share work with peers, and to create a portfolio of best work.

Crossroads To Creativity (*course #136*) **(Wr)**

Grades 11, 12

Crossroads is a humanities-based study that is guaranteed to challenge and expand your thinking, increase your self-knowledge, wisdom and perspective, and encourage you to be more present and conscious in your everyday life. If you enjoy contemplating life's most difficult questions, it's time to meet at the crossroads and begin your hero's journey. We will look at philosophy through many different cultural lenses. Students earn their grades by creating a writing portfolio. Each week students will write 3-4 reaction entries in their notebooks. Over the course of the semester, they will compose three written typed essays and one creative project in which they reflect and connect with the many units of study. Project-based learning is another dynamic part of the Crossroads experience.

Journalism (*course #138*) **(Wr)**

Grades 9, 10, 11, 12

Students will be given an introduction to the basic elements of journalism. Students will become familiar with the journalistic style of writing and will practice writing a variety of different articles and stories. Proofreading practice and skills will be taught, along with informational writing skills. Throughout the semester, students will also produce and publish the online school newspaper, *The Wildcat Roar*. Journalism may be taken twice, once as a writing credit and a second time as an elective (can count as toward VPA .5 credit).

Poetry (*course #143*) **(Wr)**

Grades 11, 12

Poetry is a one-semester class of poetry saturation. You will read poetry in an effort to familiarize yourself with all that poetry has to offer. You will also be asked to learn and apply the different literary terms associated with poetry to the poems we read in class as well as poems you write. The selected writing assignments will allow you to experiment with ideas learned about poems and poetry and create a portfolio full of different styles. Sign up and you will give your artistic voice a chance to be heard.

Speech Communication (*course #121*) **(Wr)**

Grades 11, 12

Speech Communication is a one-semester course which includes the study and practice of various communication behaviors. Speaking, listening, and writing competency is critical for individual, academic, and vocational success. Students can learn to successfully write and present messages and, in turn, better respond to messages from others. Some of the topics covered include: verbal and nonverbal communication, group discussion, informative and persuasive speaking, media literacy and research, interpersonal communication, and listening. Students will work through the writing process to prepare presentations. Students will be graded on written speeches and presentations, related reading assignments, speaking and listening activities, and quizzes and tests.

The following classes are Elective offerings above and beyond the ELA requirements.

Theatre I (course #116) (VPA credit)

Grades 9, 10, 11, 12

Theatre I is a one-semester course designed to introduce students to all aspects of theatre, including techniques and vocabulary in movement, acting, and voice; theatre history; technical theatre; musical theatre; improvisation; character analysis; playwriting; and play analysis. All students taking *Theatre I* are expected to come to class with a willingness to learn about and try new things, enthusiasm, and a good independent work ethic. Due to the cooperative nature of the class, a willingness to work positively with others and regular attendance are crucial to success in the course. **All Theatre I** students are required to participate in and/or observe a live theatrical performance outside of class and turn in a written evaluation. Additionally, there will be an end-of-semester showcase that students must participate in to pass the class. This class may count as a Visual, Performing, and Applied Arts (VPA) credit, but will not count toward a Language Arts credit.

Yearbook Production 1&2 - 1 year (courses #118 & #119) (VPA credit)

Grades 11, 12

Prerequisite: Instructor approval required for admission. Applications available in the Counseling Office.

Students in this **elective** class will produce *PawPrints*, Jenison's student yearbook. They will learn how to write in the yearbook style, how to conduct interviews, how to take digital photos, how to do layout, and how to copyedit. Students will also learn teamwork, staff roles, and responsibility to deadlines. They will learn about advertising, including how to sell ads and interact with the business community and parents. A second, third or fourth year student might have a position on the editorial board. They might also attend a summer yearbook workshop. In addition, advanced students may choose to focus on editorial roles, advertising, photography, or desktop publishing. **May be taken 2 years.**

Mathematics

Geometry 1&2 ~ Levels A, C (courses #322 & #323)

Grade 9

Prerequisite: Completion of 8th Grade Math

Geometry builds on a number of key geometric topics developed in the middle grades, namely relationships between angles, triangles, quadrilaterals, circles, and simple three-dimensional shapes. It is expected that students beginning geometry are able to recognize, classify, and apply properties of simple geometric shapes, know and apply basic similarity and congruence theorems, and find area and volume of basic shapes. Students studying geometry in high school further develop analytic and spatial reasoning. They apply what they know about two-dimensional figures to three-dimensional figures in real-world contexts, building spatial visualization skills and deepening their understanding of shape and shape relationships. Geometry includes a study of right triangle trigonometry that is developed through similarity relationships. These topics allow for many rich real-world problems to help students expand geometric reasoning skills. It is critical that connections are made from algebraic reasoning to geometric situations. Earlier work in linear functions and coordinate graphing leads into coordinate geometry. The study of formal logic and proof helps students to understand the axiomatic system that underlies mathematics through the presentation and development of postulates, definitions, and theorems. It is essential that students develop deductive reasoning skills that can be applied to both mathematical and real-world problem contexts.

Algebra I 1&2 ~Levels A, B, C (courses #332 & #333)

Grades 9, 10

Prerequisite: Completion of Geometry 1&2

It is expected that students entering Algebra 1 are able to recognize and solve mathematical and real-world problems involving linear relationships and to make sense of and move fluently among the graphic, numeric, symbolic, and verbal representations of these patterns. Algebra 1 builds on this increasingly generalized approach to the study of functions and representations by broadening the study of linear relationships to include; systems of equations with three unknowns, formalized function notation, and the development of bivariate data analysis topics such as linear regression and correlation. In addition, their knowledge of exponential and quadratic function families is extended and deepened with the inclusion of topics such as, rules of exponentiation (including rational exponents), and use of standard and vertex forms for quadratic equations. Students will also develop their knowledge of power (including roots, cubics, and quartics) and polynomial patterns of change and the applications they model. In addition to deepening and extending the student's knowledge of the algebra strand, Algebra 1 also draws upon and connects to topics related to number and geometry by including the formalized study of the real number system and its properties, and by introducing elementary number theory.

Algebra II 1&2 ~Levels A, D, B, C (courses #336 & #337)

Grades 10, 11

Prerequisite: Completion of Algebra 1 1&2

The goal of Algebra 2 is to build upon the concepts taught in Algebra 1 and Geometry while adding new concepts to the students' repertoire of mathematics. In Algebra 1, students studied the concept of functions in various forms such as linear, quadratic, polynomial, and exponential. Algebra 2 continues the study of exponential and logarithmic functions and further enlarges the catalog of function families to include rational and trigonometric functions. In addition to extending the algebra strand, Algebra 2 will extend the numeric and logarithmic ideas of accuracy, error, sequences, and iteration. Students will also extend their knowledge of univariate and bivariate statistical applications. It is also the goal of this model to help students see the connections in the mathematics that they have already learned. For example, students will not only gain an in-depth understanding of circular trigonometry, but will also understand its connections to triangular trigonometry.

College Prep Math 1&2 (courses #365 & #366)

Grade 12

Prerequisite: Completion of Algebra 2B 1&2

This course is designed for college bound students who have successfully completed the Algebra 2 B course. Its focus will be on preparing students for future college-level mathematics and statistics courses. Course topics will include further work with functions, trigonometry, and statistics.

Advanced Placement Calculus (AB) 1&2 (courses #350 & #351 called AP Calculus (AB) 1&2 in PowerSchool)

Prerequisite: Completion of Algebra 2A 1&2

Grades 10, 11, 12

This full year course will cover analytic geometry, functions, limits, and derivatives of algebraic functions with applications of each topic as it is covered. Integration will also be included in the course with applications of the definite integral and methods of integration. During second semester the College Board Advanced Placement Exam will be offered so the student can attempt to receive college credit for Calculus. This course is highly recommended for those students interested in science, mathematics, or a pre-professional course of study in college.

Advanced Placement Calculus (BC) 1&2 (courses #352 & #353 called AP Calculus (BC) 1&2 in PowerSchool)

Prerequisite: Completion of AP Calculus (AB) 1&2

Grades 11, 12

This course begins with a review of the AP Calculus AB Course. In addition, the course covers slope fields, Taylor series, and derivative and integrals of parametric, polar functions, vector functions and statistics. During second semester the

College Board Advanced Placement Exam will be offered so the student can attempt to receive additional college credit for Calculus. This course is highly recommended for those students interested in science, mathematics, or engineering course work in college above the AP Calc AB course.

Advanced Placement Statistics 1&2 (courses #348 & #349 called *AP Statistics 1&2* in PowerSchool) **Grades 10, 11, 12**
Prerequisite: Completion of Algebra 2A 1&2 or Algebra 2D 1&2

This two-semester course will introduce students to the major concepts and tools found in a college introductory statistics course. Students will learn how to collect, analyze and draw conclusions from data. In doing this, students will be exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. Students will have the opportunity to take the Advanced Placement Exam in May to earn college credit for this course. This course is highly recommended for students entering both technical and non-technical courses of study in college.

Java Programming 1 (course #361)

Grades 10, 11, 12

Prerequisite: Geometry A 1&2

This will fulfill the Senior Math requirement

This semester course is designed to teach computer programming using the Java language. Students will learn how to analyze, design, code, test and debug programs. Problem solving and logical thinking skills are developed through the programming of real applications. The topics covered are input/output operations, arithmetic operations, comparing, looping, interactive programming, and modular programming. An awareness of computer programming is vital to those entering technical, engineering, science and math-related fields. *See below Computer Science Articulation Agreement details on obtaining credit through Davenport University.

Java Programming 2 (course #362)

Grades 10, 11, 12

Prerequisite: Java Programming 1, or permission of instructor

This will fulfill the Senior Math requirement

This course will allow those students who have completed the Computer Programming course to add to their programming skills and develop useful programs. Student cooperative groups will be utilized to design and code larger modular programs. The topics covered are menus, functions, arrays, array searching, string processing, files and graphics. *See below Computer Science Articulation Agreement details on obtaining credit through Davenport University.

Advanced Placement Computer Science 1&2

(courses #363 & #364 called *AP Computer Programming 1&2* in PowerSchool)

Grades 10, 11, 12

Prerequisite: Algebra 1A 1 & 2 and Java Programming 2, or permission of instructor

This will fulfill the Senior Math requirement

The course is designed for the student who is already familiar with structured programming. This two-semester course will begin with the techniques taught in Advanced Computer Programming and then expand on those techniques. Additional topics include computer science theory, sorting and searching, recursion, static variable types, dynamic data storage, computer ethics, computer security, and data structure and algorithm analysis. This is designed as a higher level course in computer programming. The student will have the opportunity to take the Advanced Placement Exam in May to earn college credit for this course.

***Computer Science Articulation Agreement**

Students completing the following courses with a 3.0 GPA or higher and signed documentation from their instructor for the class are eligible for advanced credit at the following universities/colleges. These credits will appear on a student's college transcript once they have applied, been accepted, and successfully completed at least one additional course.

Jenison Course

Java Programming 1&2

Davenport University Equivalency

(also Scottish Qualifications Authority Equivalency)

CSCI231

Introduction to Programming

Jenison Course

Java Programming 1&2

Grand Rapids Community College Equivalency

CIS 162

Desktop Publishing 1/InDesign

Music

*Band Course Offerings

Concert Band 1&2 (courses #961 & #962)

Grades 9, 10, 11, 12

Prerequisite: Previous band experience and an audition are required for enrollment.

Concert Band is Jenison's third wind and percussion ensemble. The band performs music from the MSBOA High School Band Class B, C, and D lists, as well as a variety of marches, concert literature, and lighter music. Participation in concerts and extra rehearsals is a requirement of the course. Private lessons are encouraged. Grading is based on playing tests, written tests, rehearsal etiquette, improvement, attitude and attendance. Marching band students will rehearse with the entire marching band through the fall season (typically until mid-November). Non-marching band students will work on performance fundamentals and sight-reading during that time.

Symphonic Band 1&2 (courses #956 & #957)

Grades 9, 10, 11, 12

Prerequisite: Admission by audition

Symphonic Band is Jenison's second wind and percussion ensemble. The band performs music from the MSBOA High School Band Class A, B, and C lists, as well as a variety of marches, concert literature, and lighter music. Previous band experience and an audition are required for enrollment. Participation in concerts and extra rehearsals is a requirement of the course. Private lessons are encouraged. Grading is based on playing tests, written tests, rehearsal etiquette, improvement, attitude and attendance. Marching band students will rehearse with the entire marching band through the fall season (typically until mid-November). Non-marching band students will work on performance fundamentals and sight-reading during that time.

Wind Symphony 1&2 (courses #959 & #960)

Grades 9, 10, 11, 12

Prerequisite: Admission by audition

Wind Symphony is Jenison's top wind and percussion ensemble. The band performs music from the MSBOA High School Band Class AA, A, and B lists, as well as a variety of marches, concert literature, and lighter music. Previous band experience and an audition are required for enrollment. Participation in concerts and extra rehearsals is a requirement of the course. Private lessons are encouraged. Grading is based on playing tests, written tests, rehearsal etiquette, improvement, attitude and attendance. Marching band students will rehearse with the entire marching band through the fall season (typically until mid-November). Non-marching band students will work on performance fundamentals and sight-reading during that time.

*Choir Course Offerings

Male Chorus 1&2 (courses #950 & #951)

Grades 9, 10

Treble Choir 1&2 (courses #947 & #948)

These vocal groups are open to any Jenison High School student demonstrating the ability to sing a simple melody and interested in improving his or her vocal and musicianship skills. Meeting separately on a daily basis, Male Chorus and Treble Choir may perform jointly for concert and festival performances. Emphasis will be placed on growth in the following areas: basic vocal skills, music theory, rhythm and melody reading skills and the responsibilities and disciplines necessary for participation in choir. Members will participate in Michigan School Vocal Music Association (MSVMA) choral festivals, and individuals may be chosen to participate in MSVMA solo and ensemble festivals and All-State Honors Choir auditions.

Chorale 1&2 (courses #952 & #953)

Grades 10, 11, 12

Prerequisite: Male Chorus 1&2 or Treble Choir 1&2, Admission by proficiency or audition

A more advanced choral group, Chorale is offered with emphasis placed on performing outstanding choral literature and advancing musicianship skills. The Chorale represents Jenison High School in various district, state, national, and invitational choral festivals and competitions, and also performs in all major concerts presented by the vocal music department. Individual members are encouraged to take lessons, participate in MSVMA solo and ensemble festivals, and possibly All-State Honors Choir auditions.

Advanced Women's Chorus (courses #967 & #968)

Grades 10, 11, 12

Prerequisite: Male Chorus 1&2 or Treble Choir 1&2, Admission by proficiency or audition

Advanced Women's Chorus is offered to those young ladies who have demonstrated advanced vocal, sight-singing and music learning skills. This select group will represent Jenison High School in various district, state and national festivals and conventions and will perform at all regularly scheduled concerts presented by the vocal music department. Further, there

may be additional performances for special community functions or other events. Individuals are highly encouraged to take private lessons and participate as soloists in solo and ensemble festivals.

Chamber Singers 1&2 (course #954 & #955)

Grades 10, 11, 12

Prerequisite: Male Chorus 1&2 or Treble Choir 1&2, Admission by proficiency or audition

This highly select vocal ensemble studies and performs a wide variety of styles of music: classical, popular and multi-cultural. Advanced musicianship skills are developed through rigorous training in sight-singing, theory and musical analysis. The Chamber Singers represent Jenison High School in various district, state and national invitational choral ensemble festivals and conventions, and they also perform on all major concerts presented by the vocal music department. Individual members are highly encouraged to take private voice lessons and participate as soloists in solo and ensemble festivals. Members may also be chosen to audition for All-State Honors Choir.

***Orchestra Course Offerings**

Concert Orchestra 1&2 (courses #941 & #942)

Grades 9, 10, 11

Concert Orchestra is a performing ensemble for students playing the violin, viola, cello and double bass. Harp and piano players MAY also be considered with approval from the instructor. Students should have at least two years prior experience playing their instrument. Concert Orchestra plays music from a variety of styles including classical, holiday, alternative styles, rock, and pop. Students are encouraged to participate in chamber ensembles and Solo & Ensemble Festivals. Grading is based on concert attendance, daily rehearsal technique, written and playing tests.

Sinfonia 1&2 (courses #934 & #935)

Grades 9, 10, 11, 12

Prerequisite: Admission by audition

Sinfonia is a performing ensemble for students playing the violin, viola, cello and double bass. Harp and piano players MAY also be considered with approval from the instructor. Students should have at least two years prior experience playing their instrument and must audition for the instructor for admission into the ensemble. Sinfonia plays music from a variety of styles including classical, holiday, alternative styles, rock, and pop. Students are encouraged to participate in chamber ensembles and Solo & Ensemble Festivals. Grading is based on concert attendance, daily rehearsal technique, written and playing tests.

Symphony Orchestra 1&2 (courses #943 & #944)

Grades 10, 11, 12

Prerequisite: Concert Orchestra 1&2 or Sinfonia 1&2, Admission by audition

Symphony Orchestra is an advanced performing orchestra for students who are committed to several performances throughout the year. Symphony Orchestra performs music across every genre including classical, holiday, alternative styles, rock, and pop. Students are encouraged to participate in chamber ensembles and Solo & Ensemble Festivals. Grading is based on concert attendance, daily rehearsal technique, written and playing tests. A small number (4-8) of outside of school rehearsals are also expected.

Chamber Orchestra 1&2 (courses #965 & #966)

Grades 10, 11, 12

Prerequisite: Concert Orchestra 1&2 or Sinfonia 1&2, Admission by audition

Chamber Orchestra is an advanced performing orchestra for students who are committed to several performances throughout the year, sometimes several times a month. Chamber Orchestra performs music across every genre including classical, holiday, alternative styles, rock, and pop. Students are encouraged to participate in chamber ensembles and encouraged to perform at Solo & Ensemble Festivals. Grading is based on concert attendance, daily rehearsal technique, written and playing tests.

***Additional Music Course Offering**

Advanced Placement Music Theory 1&2 (courses #930 & #931 called *AP Music Theory 1&2* in PowerSchool)

Grades 9, 10, 11, 12

The AP Music Theory course corresponds to a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills, including dictation and other listening skills, sight singing, and harmony, are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the curriculum through the practice of sight singing. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are also emphasized.

Physical Education

Decisions (course #737) ~ **Graduation Requirement**

Grade 11

This course provides students with information and skills for making wise decisions about dating, substance abuse, setting sexual standards, and their future lives in the workplace and marriage. In this course, students will update their Educational Development Plan; search careers, colleges and scholarships; complete college applications; and get information about taking the SAT test. Students will have a better understanding of the workplace by learning about conflict management; communication; diversity; child labor laws; employment laws; and paychecks. Students will complete an application for employment; develop a personal resume; and learn techniques for a successful interview. Other topics include sexual health; sexual harassment; teen pregnancy; abstinence from sex, alcohol and drugs; mental health (stress, empathy, etc.), negative male-female relationships; dating violence; marriage readiness and preparation; legal issues of marriage and divorce; pregnancy and delivery. Students will prepare to take the Michigan Merit Exam, including the SAT and WorkKeys by learning test taking strategies, reviewing subject content and taking practice tests. Parents who wish to review the three units of reproductive health related curricula of the course are requested to do so in the spring of the year prior to their child's enrollment in the course the following year. Inspection of materials may be arranged by contacting the office of the Principal.

Physical Education 1&2 (courses #971 & #972) ~ **Graduation Requirement** (courses #971 & #972 called **PE 1& PE 2** in PowerSchool)

Grade 9, 10, 11, 12

Note: PE 2 may be waived if a student participates in a JHS 9th grade Sport or Marching Band.

This course is based on the idea that one's fitness has a direct impact on one's physical and emotional health. Students work out three days/week and spend 2 days/week in the classroom. The workout component is designed to increase or maintain the student's level of physical fitness. The classroom component is meant to increase the student's knowledge of their health, not just physical, but also mental and emotional. **PE 1** is an introductory look at the components and physiology of fitness along with an experience in using the activities that increase one's personal fitness. **PE 2** takes the fitness component further and applies it to lifetime sport activities. Following are the topics covered in both courses:

PE 1 (course #971)

Health Enhancing Activities	Concepts of Fitness
Cardiovascular Conditioning	Nutrition
Swimming	Reproductive Health
Weight Training	CPR Training
Fitness Program Planning	Stress Management

PE 2 (course #972)

Cardiovascular Conditioning	Muscular Fitness
Weight Training	Body Composition/ Weight Control
Basketball	Flexibility
Hockey	Consumer Issues
Lacrosse	Cardiovascular Fitness
Soccer	Drugs: Use, Abuse, Addiction
Tennis	

Advanced Physical Education Courses

Individual Sports (course #981)

Grades 10, 11, 12

This course is an advanced PE course aimed at students who enjoy competition. The units covered in this class are based on sports that are considered individual, meaning the competition is in a one-on-one or a doubles format. Sports included, but not limited to, are: golf, tennis, spykeball, pickleball, badminton, birdieball golf and bowling. (\$20 is required for the bowling unit.) Units involve advanced development of skills of the game and advanced knowledge of rules and strategies. Units end in tournament play with a final written assessment on knowledge of the game.

Strength Training (course #980)

Grades 9, 10, 11, 12

This course is designed to educate students in key areas of health and fitness. Main areas of focus include muscular strength and endurance, power, flexibility and balance. Students will learn Olympic weightlifting techniques, auxiliary weightlifting techniques, agility/balance drills, proper nutrition while strength training, and how to recover from strength training. This course requires a high level of physical activity and dressing for class is required. Both written and physical assessments are a part of this course.

Strength Training - LEAP (course #983)

Grades 9, 10, 11, 12

This course is divided between a rigorous and differentiated weight training regimen employing best practices and teaching progressions for in-season & out-of-season athletes coupled with a leadership curriculum that promotes & cultivates a culture of leaders from within our athletic teams. Topics for discussion will include, but not be limited to Self-Leadership, Establishing and Cultivating a Championship Culture, Creating a Fierce Competitor, Team Work, Team Building, Time Management, and Nutrition -- and features guest speakers throughout the semester(s).

Team Sports *(course #982)***Grades 10, 11, 12**

This course is an advanced PE course for students who enjoy competition and who can compete at a physically advanced level of sport. Units are based on team sports, such as football, speedball, volleyball, basketball, soccer, softball, floor hockey, ultimate frisbee and water polo. Through participation in the units, students will advance their skills and knowledge of the game. Assessments will be through tournament play and written tests on rules and strategies.

Women's Strength Training *(course #979)***Grades 9, 10, 11, 12**

This course is designed to educate female students in key areas of health and fitness. Main areas of focus include muscular strength and endurance, power, flexibility and balance. Students will learn Olympic weightlifting techniques, auxiliary weightlifting techniques, agility/balance drills, proper nutrition while strength training, and how to recover from strength training. This course requires a high level of physical activity and dressing for class is required. Both written and physical assessments are a part of this course.

Science

Biology 1&2 (courses #422 & #423)

Grade 9

Biology is the study of living organisms – their structure, function, and relationship to each other. This fundamental science course will provide students with an understanding of the biological systems in the world they live in. It will also lay the groundwork for future study in life science classes such as anatomy and physiology, botany, forensics, zoology, AP biology and AP environmental science. The main areas covered in this introductory biology include cellular structures and processes of diverse life, heredity and changes of life, interactions of life in the environment, and human impacts on life. Requirements include group problem solving and processing along with individual demonstration of knowledge and understanding of complex systems and models.

Chemistry 1&2 (courses #432 & #433)

Grades 9, 10

Prerequisite: Geometry 1&2

A study of the chemical properties of matter, this course covers general chemical laws, formulas, and equations; the structure of the atom and the principles of chemical bonding as to how and why reactions take place; and an introduction to organic chemistry and the analysis of chemical substances.

Physics: Motion, Forces, & Energy (courses #426)

Grades 11, 12

Prerequisite: Algebra 1

Note: Physics: Motion, Forces, & Energy can be taken separately or simultaneously with Physics: Waves, Electricity, & Magnetism. Neither is a requirement of the other.

Students will be introduced to motion in one dimension, motion in two dimensions, dynamics (forces), circular motion, gravitation, momentum, energy, and special relativity.

Physics: Waves, Electricity, & Magnetism (courses #427)

Grades 11, 12

Prerequisite: Algebra 1

Note: Physics: Waves, Electricity, & Magnetism can be taken separately or simultaneously with Physics: Motion, Forces, & Energy. Neither is a requirement of the other.

This course teaches properties of sound and light waves. It also introduces students to static electricity, circuits (flowing electricity), magnetism and radioactivity.

Botany (course #455)

Grades 10, 11, 12

Prerequisite: Biology 1&2

Botany is a one-semester course that will introduce students to the study of plant biology. This course is laboratory-based and a large amount of the time is spent on growing and maintaining plants from cuttings and seeds. The class focuses on topics such as plant classification, plant structure and function, reproduction, and mastering the skills of successfully growing plants. Students will grow their own plants and emphasis will be placed on making observations and collecting data.

Forensic Science (course #440)

Grades 10, 11, 12

Prerequisite: Biology 1&2

Forensic Science is a one-semester course, which will introduce students to the application of science to law as they investigate processes of solving criminal mysteries. The major topics of study include: handwriting analysis, time of death and autopsy, entomology, hair and microscope use, toxicology, blood typing and splatter, fingerprints, bones, DNA and fire investigation. In order to merge theory and practice, a hands-on approach will be taken throughout much of the learning process. Students are required to analyze and write at a high level and participate in all laboratories and crime scene assessments.

Honors Anatomy & Physiology 1&2 (courses #464 & #465 called *Honors Anatomy & Physiology 1& 2* in PowerSchool)

*Prerequisite: Biology 1&2 *10th grader – Biology Instructor approval needed*

Grades *10, 11, 12

Human Anatomy & Physiology is the detailed study of the structure and function of the human body, along with many of the disorders that arise within it. Lab dissections and a variety of hands-on lab activities enhance the study of many of the topics. This honors class is designed for college-bound students seeking a degree in the medical field or health careers such as doctors, nurses, medical technicians, physician assistants, physical and occupational therapist, athletic trainers, physical education majors, and various other fields. This course is also beneficial to those students planning to take the college level AP biology course. After an introduction of the body as a whole, students will explore all the individual body systems from the outermost structure and function of the skin to the interdependent systems that make up the rest of the human body. *See below Science Articulation Agreement details on obtaining credit through Davenport University.

Zoology (course #439)**Grades 10, 11, 12***Prerequisite: Biology 1&2*

Zoology is a one-semester course designed to give the student a complete survey of the animal kingdom. The course includes detailed investigations of both invertebrates and vertebrates in the areas of comparative anatomy and physiology, classification, and behavior. Emphasis is placed on the relationships of animals to each other and to man. Highlights include various laboratory experiences involving live animal studies.

Introduction to Engineering & Design (course #468) ~ One Semester Course**Grades 10, 11, 12***Prerequisite: Geometry*

This course provides an opportunity to explore engineering as a career and to develop design thinking. Students will be exposed to various fields of engineering, including civil, mechanical, environmental, and electrical. Through hands-on design challenges and projects, students will work with others to develop creativity and solve real-world problems. Students will progress through important steps in a design process and learn relevant engineering skills, such as technical drawing and Computer-Aided Design (CAD) using a 3D design software.

Engineering & Design II (course #469) ~ One Semester Course**Grades 10, 11, 12***Prerequisite: Introduction to Engineering & Design*

This course provides an opportunity to continue to develop skills and thinking as an engineer. Students will learn more advanced skills in Computer-Aided Design (CAD) and will have the opportunity to apply their 3D design knowledge to 3D printing. Students will learn and apply important design principles to create working prototypes that meet design requirements. Emphasis will be placed on hands-on collaborative projects, design research and development, and communication of solutions through presentations.

Civil Engineering & Architecture 1&2 (course #470 & #471) ~ Two Semester Course**Grades 10, 11, 12***Prerequisite: Introduction to Engineering & Design*

This course provides an in-depth opportunity to explore the fields of civil engineering and architecture. Students will study design and development of residential and commercial buildings through the mindset of engineers. Students will gain experience using a 3D architectural design software to design and plan build sites. Through hands-on design projects, students will explore construction techniques, materials, physical properties, cost and efficiency, and other important aspects of building design.

Advanced Placement Biology 1&2 (courses #452 & #453 called AP Biology 1&2 in PowerSchool)**Grades 11, 12***Prerequisite: Biology 1&2*

Advanced Placement Biology provides the opportunity for academically aggressive students to upgrade the quality and increase the challenge of their program of studies both in high school and college. It meets the objectives of a general biology course at the college level and provides the opportunity for credit by Advanced Placement examination. It is the equivalent of a full year of college biology which permits the able and ambitious student to get ahead in college work, thereby saving time and money. Advanced Placement Biology will cover these three broad areas of biological science:

1. Molecular and cellular biology includes the chemical basis of living systems, cells, enzymes, energy flow, cell division, and genetics.
2. Organismal biology covers the structure, function, reproduction, and development of living organisms.
3. Population biology includes the origin of life, ecology, behavior, and social biology.

This course is intended for students who plan to major in life science, medicine, or other science fields. Students enrolling in this course should not sign up for a zero hour class, as additional laboratory time is occasionally required before school.

Advanced Placement Chemistry 1&2 (courses #444 & #445 called AP Chemistry 1&2 in PowerSchool)**Grades 10, 11, 12***Prerequisite: Chemistry 1&2, Algebra 1 1&2*

Advanced Placement Chemistry provides the student who has completed Chemistry 1 and 2 the opportunity to increase their skills in the area of chemistry. This course is intended for students who plan to major in life science, medicine, engineering or other science fields. This course meets the objectives of a general chemistry course at the college level and provides the opportunity for college credit by examination.

Advanced Placement Environmental Science 1&2**Grades *10, 11, 12***(courses #456 & #457 called AP Environmental Science 1&2 in PowerSchool)**Prerequisite: Biology 1&2 *10th graders - Biology Instructor approval needed*

This is a one-year course designed for students who are interested in using the scientific method and related concepts to explore the interrelationships in the natural world. It meets the objectives of a college environmental science course, thereby giving an opportunity to get ahead in college work. The course will be very hands-on, with lab and fieldwork as a primary teaching method for most topics. It is best suited for students who are willing to accept the rigor of the AP curriculum and are excited to ask questions, be curious and solve problems, based on observations. In addition to an overall course focus on

interrelationships, the course will also examine environmental problems (natural and man-made), risks that are associated with the problems, and potential long-term solutions. Prerequisites are one year of biology and chemistry, though chemistry may be taken concurrently.

Advanced Placement Physics I 1&2 (courses #460 & #461 called *AP Physics I 1&2* in PowerSchool) **Grades 11, 12**

Prerequisite: completion of Algebra II A OR Chemistry/Algebra I A Instructor approval

This one year course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. During second semester the College Board Advanced Placement Exam will be offered so the student can attempt to receive additional college credit for Physics.

Advanced Placement Physics II 1&2 (courses #462 & #463 called *AP Physics II 1&2* in PowerSchool) **Grade 12**

Prerequisite: AP Physics I

This one year course is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. During second semester the College Board Advanced Placement Exam will be offered so the student can attempt to receive additional college credit for Physics.

***Science Articulation Agreement**

Students completing the following courses with a 3.0 GPA or higher and signed documentation from their instructor for the class are eligible for advanced credit at the following universities/colleges. These credits will appear on a student's college transcript once they have applied, been accepted, and successfully completed at least one additional course.

Jenison Course

Honors Human Anatomy & Physiology 1&2

Davenport University Equivalency

(also Scottish Qualifications Authority Equivalency)

BIOL120

Essentials of Anatomy and Physiology

Social Studies

US History 1&2 (courses #213 & #214)

Grade 9

US History – Spanish Immersion 1&2 (courses #213SI & #214SI)

United States History is a one-year course, which covers the story of America. This course seeks to illuminate the American past to the present-times, both triumphant and tragic, disturbing and comforting for the nation. United States History attempts to stimulate students to think on the meaning of our history and to rediscover the personalities and events, which have shaped us, inspired us, and bedeviled us. Presidential and party politics, Congressional legislation, Supreme Court decisions, diplomacy and treaties, and wars and foreign intervention are all part of this comprehensive narrative of American history. *See below Social Studies Articulation Agreement details on obtaining credit through Davenport University.

World History 1&2 (course #217 & #218)

Grade 10

World History – Spanish Immersion 1&2 (course #217SI & #218SI)

World History 1 is a required course. The first semester will be spent studying the rise of Europe as it adventures through the age of chivalry, the flowering of the Renaissance, the divisiveness of the Reformation, and the upheaval of Revolution. Students will focus on important themes in World History that have contributed to the development of civilization as we know it today. Among these themes are political and economic development, the influence of geography on cultures, the creation of new ideas and technology and the effect of contact between cultures, and our need for expression through the arts.

World History 2 is a required course that completes the story of world history through to the modern day. It is intended to be taken after the completion of World History I. This course seeks to explain the past in relation to the present-day world. Students will cover important topics such as the Industrial Revolution and its effects on social and political ideology, Imperialism and its role in shaping the modern day states of Africa and Asia, and the modern day world that is intricately tied together by a global economy but challenged by age-old tensions. The topics will be taught through the themes of geopolitics, economic relations, political policies, human rights, and culture and will be woven into the historical discussions of the modern era. The design of this course is to acclimate students to the present global world in which they live and will need to understand in order to better prepare themselves for the global job market they will enter.

Economics (course #242)

Grades 11, 12

Economics is a required semester course for students that explores the fundamental laws of scarcity, opportunity cost, supply, demand, productivity and efficiency as they apply to individual and collective human behavior. The American system of free enterprise will be explored featuring the common State of Michigan expectations of (1) Economic Choice (2) Role of Government (3) Economic Systems (4) Trade (5) Personal finance. Macroeconomic concepts such as inflation, unemployment, monetary and fiscal policy will also be discussed. Course content will be applied in a variety of ways including simulations and debates.*See below Social Studies Articulation Agreement details on obtaining credit through Davenport University.

Government (course #237)

Grades 11, 12

Prerequisite: United States History 1&2

Government is a semester course designed to develop an understanding and appreciation of American Government. It will include a study of the need for Government, the American democratic system, the structure and function of our national government, and the rights and freedoms guaranteed citizens. Political activity, political systems, and an individual's control over his government will be explored. Government is chiefly concerned with the national government and of the three branches: the Presidency, Congress, and the Federal Judicial System, but some emphasis will be put on the study of state and local governments, and civil liberties and civil rights.

1940's – 1990's (course #229) formerly 1940's-1970's

Grades 10, 11, 12

After World War II, the United States became a world power. This class will examine many of the important political and cultural events that shaped who we are as a nation today. It will examine from the beginning to the end of the Cold War, from the perceived conformity of the 1950's to the counter culture of the 1960's, from the heroic period of civil rights to the beating of Rodney King, from Elvis to Dr. Dre to Nirvana, from I Love Lucy to The Cosby Show. There will also be a unit focusing on domestic terrorism from the Weatherman to Timothy McVey.

America at War I (course #226) **Spanish-American War - WWII**

Grades 10, 11, 12

America at War I is a semester-long elective that explores the history of US military engagements over the first half of the 20th century. It traces the events that made the United States a world power by 1945. The wars studied include the Spanish-American War, World War I, the Interwar Years, and World War II. The course considers each war in chronological order while seeking to understand how continuity and change are evident across the decades. This requires looking at war in a variety of ways beyond simply dates and places. Consideration includes looking at larger themes such as what are the causes

for the US to go to war? How has war shaped the US standing in the world? Who does the US ask to go war and what is owed to them both during and after the fighting has stopped? What role does the media play in shaping popular opinion for the war? How has the US military been shaped by US culture and to what degree has it shaped US culture over time? Studying war in this fashion will take us in many directions over the course of the semester. I look forward to joining you in the pursuit of better understanding “America at War”.

America at War II (*course #227*) **Cold War – War on Terror**

Grades 10, 11, 12

America at War II is a semester-long course that examines how the United States used its military power as a world leader following World War II. The course curriculum focuses on the major events of the Cold War, the Gulf War, and the War on Terror. This includes Cold War events such as the Korean War, tensions with the Soviet Union, the American War in Vietnam, and the fall of communism in Eastern Europe. Following the Cold War, students will learn about how the United States led an international coalition in the Persian Gulf War in the early 1990s. Additionally the course considers the War on Terror with a focus on the US wars in Afghanistan and Iraq following 9-11. In the process of studying these events consideration is given to causes and consequences of war. Equally the course examines how war impacted US standing in the world at large, the relationship between the government and media, and how war has shaped US culture over time. Students do not have to take America at War I prior to enrolling in this course.

History vs. Hollywood (*course #239*)

Grades 10, 11, 12

The purpose of this class will be to explore the ways that film and literature present various historical events and evaluate if that story is told accurately or where embellishments may have happened or details have been overlooked. This class will focus on research, writing, analysis, presentation, discussion. Students will be expected to read, continue to develop their writing skills, and be able to effectively present information/contribute to class discussion with facts, thoughts, ideas, speculation, and cogent arguments. Some special focus topics we will explore include World War II, Women’s Rights, and the Civil War/Slavery Era.

Issues & Answers (*course #238*)

Grades 10, 11, 12

Issues and Answers is a semester course that is designed for the student who has an interest in the subject of government, politics, and the problems facing our country. It will be a study of current and controversial issues that confront our government. As the title indicates, the class will attempt to arrive at solutions to the problems discussed. To accomplish this, some of the material will be presented in lecture, but much work will be done with the student discussion or independent research. This course is designed for the student who has a decided interest in government.

Michigan History (*course #219*)

Grades 9, 10, 11, 12

Michigan History is a one semester course that seeks to describe the rich tradition and strength of our state. Topics will include: Michigan geography and natural history, native peoples, the coming of the French, Michigan under the British and during the Revolutionary period, the statehood process, Michigan's role in the Civil War (including social and political trends), mining, the lumber and furniture industry, industrialization and the auto industry, the labor movement, racial tension, suburbanization, and modern Michigan. Also, we will take a brief look at the history of the Grand Rapids area and examine the place of Michigan within the larger context of the Western movement. Students will have the opportunity to put their knowledge to work, and have some exciting hands on learning experiences, through field trips to Lansing, Downtown Grand Rapids, and the Detroit area-including Greenfield Village and the River Rouge Automotive Plant.

Psychology (*course #244*)

Grades 10, 11, 12

Psychology is a one-semester course which is designed to introduce students to a variety of topics in this broad area of study. Some of the topics covered may include: Intelligence, the brain, abnormal behavior (depression, anxiety, schizophrenia, etc.), human development, memory, and types of learning. The student can expect involvement in experiments, group work, projects, and independent study topics. This class works well as an introduction to Advanced Placement Psychology, but is not a requirement for the AP Students.

Sociology (*course #243*)

Grades 10, 11, 12

Sociology is a one semester course, which focuses on the study of human society. Students explore culture and cultural variation, social organization, social stratification, and sources of social change. We investigate social institutions, including politics, economics, the family, religion, education, science, and sport. Students are challenged to consider the causes and consequences of social problems. We will discuss relevant, contemporary issues. We will explore solutions to the problems of racial prejudice, poverty, gender and age discrimination, violence, crime, war and terrorism. This course is suggested for juniors and seniors considering careers in education, criminal justice, social work, medicine, business, law, or human services. *See below Social Studies Articulation Agreement details on obtaining credit through Davenport University.

World Religions (*course #235*)

Grades 9, 10, 11, 12

Religions of the World is a course designed to give exposure to a variety of religions affecting the world today. Students will be looking at religions including Buddhism, Hinduism, Judaism, Christianity, Islam, and others with respect to their impact on values, beliefs, culture, and life in general. This course will not attempt to persuade or dissuade any person with respect to religious belief. It is an academic approach to the study of religion. Information will be presented in a comparative and historical manner. Students will also be able to attend a field trip to visit and learn about various religious traditions right here in West Michigan. This course is recommended for students who have completed World History, although alternative arrangements are possible.

Advanced Placement American History 1&2 (courses #246 & #247 called *AP Amer Hist 1&2* in PowerSchool)

Prerequisite: World History 1&2

Grades 10, 11, 12

This course is a survey of United States history from the colonial period through the present day. It is designed for motivated students with a strong interest in history and a desire to examine events, people, and issues with a critical eye that considers all aspects of our past. The course will provide students with the skills necessary to succeed as they continue their study of history at the college level. Students will develop the ability to think critically and analytically, to write strong historical essays, to evaluate primary source documents, and weigh evidence and interpretations presented in historical scholarship. The course culminates with the opportunity to take the Advanced Placement exam and potentially earn college credit.

Advanced Placement Government 1&2 (courses #254 & #255 called *AP Government 1&2* in PowerSchool) **Grades 11, 12**

AP United States Government and Politics is an intensive study of the formal and informal structures of government and the processes of the American political system, with an emphasis on policy-making and implementation. This course includes both the study of general concepts used to interpret U.S government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes in government and politics. This course will cover the following topics: 1) Constitutional Underpinnings of the U.S. Government, 2) Political Beliefs and Behaviors, 3) Political Parties, Interest Groups and Mass Media, 4) Institutions of National Government: The Congress, the Presidency, the Bureaucracy, and the Federal Courts, 5) Public Policy and 6) Civil Rights & Civil Liberties. The concepts and specific topics examined in this course are those that may appear on the AP exam.

Advanced Placement Psychology 1&2 (courses #251 & #252 called *AP Psychology 1&2* in PowerSchool) **Grades 11, 12**

Advanced Placement Psychology 1&2 is an academically rigorous, intellectually demanding, year long course in introductory college psychology. This introductory level course is designed to provide a basic understanding of the history and evolution of psychology as a science and a profession and to present an overview of the multidimensional foci of the discipline. Topics of study will include:

Methods, approaches, and history of psychology	Developmental psychology	Cognition
Biological bases of behavior	Personality	Social psychology
Sensation and perception	Testing and individual differences	Motivation and emotion
States of consciousness	Abnormal psychology	
Learning	Treatment of psychological disorders	

Students selecting AP Psychology 1 & 2 may also take the advanced placement test in psychology which could ultimately result in receiving college credit. Those selecting AP Psychology 1 & 2 should possess a combination of qualities, including previous academic achievement, motivation and a commitment to advanced work. Students will need additional time outside of class to prepare.

***Social Studies Articulation Agreement**

Students completing the following courses with a 3.0 GPA or higher and signed documentation from their instructor for the class are eligible for advanced credit at the following universities/colleges. These credits will appear on a student's college transcript once they have applied, been accepted, and successfully completed at least one additional course.

Jenison Course

Economics
Sociology
United States History 1&2

Davenport University College Equivalency
(also Scottish Qualifications Authority Equivalency)

ECON201 Macroeconomics
SOCY101 Introductory Sociology
HIST212 Modern United States History

World Languages

French 1&2 (courses #818 & #819)

Grades 9, 10, 11, 12

Students will learn how to speak, understand, read, and write in French at a basic level about simple things such as sports, food, school, and family in the present tense. These skills are practiced and learned through speaking activities, games, skits/dialogues, songs, written work, and special projects. Along with the study of the language, students will also learn about the life and culture of French-speaking countries. This is done through movies, readings, and special projects that teach about customs and food throughout the Francophone world. Evaluation will be on how students express themselves through speaking and writing, as well as projects, and class participation. *See below World Language Articulation Agreement details on obtaining credit through Davenport University.

French 3&4 (courses #828 & #829)

Grades 9, 10, 11, 12

Prerequisite: French 1&2

The course is based on conversational and grammatical skills acquired in French 1&2. Emphasis is placed on speaking and listening comprehension, grammatical structures, and short compositions. Reading short stories on cultural topics will introduce students to aspects of everyday life in France and French-speaking countries. Students will do projects, conversations, skits, and plays based on readings. Evaluation will be on oral comprehension, reading and writing skills, and class participation.

French 5&6 (courses #837 & #838)

Grades 9, 10, 11, 12

Prerequisite: French 3&4

This course reviews and increases understanding of grammatical concepts in French 3/4, and introduces a variety of other tenses, as well as the subjunctive and imperative moods. Students will utilize the past, present and future tenses to explore texts dealing with everyday, relevant aspects of the life of the people of French-speaking countries. Writing and speaking skills are strengthened through projects, skits and short compositions.

French 7&8 (courses #848 & #849)

Grades 10, 11, 12

Prerequisite: French 5&6

In this fourth level, the necessary grammatical elements of the spoken and written language acquired in the previous three years of instruction are refined while delving deeper into the grammatical structure of the language. The course is a more independently based one in which the students are working quite often on their own through the chapters of a grammatical text and listening to authentic French texts and videos.

Spanish 1&2 (courses #812 & #813)

Grades 9, 10, 11, 12

Students will learn how to speak, understand, read, and write in Spanish at a basic level about simple things such as sports, food, school, and family in the present tense. These skills are practiced and learned through speaking activities, games, skits/dialogues, songs, written work, and special projects. Along with the study of the language, students will also learn about the life and culture of Spanish-speaking countries. This is done through movies, readings, and special projects that teach about Latino/Hispanic customs, and food. Evaluation will be on how students express themselves through speaking and writing, as well as projects, and class participation. *See below World Language Articulation Agreement details on obtaining credit through Davenport University.

Spanish 3&4 (courses # 822 & #823)

Grades 9, 10, 11, 12

Prerequisite: Spanish 1&2

Using Spanish 1/2 as a foundation, this course explores the language in greater depth as students become proficient in a more advanced skill set. Students will experience applicable and relevant units of curriculum like giving directions and narrating in the past tense while continuing to acquire more vocabulary each unit. In addition to the cultural components learned in the first year, students will explore more aspects of Hispanic culture and the Spanish Speaking world around them.

Honors Spanish 3&4 (courses # 853 & #854)

Grades 9, 10, 11, 12

Prerequisite: 3.5 average GPA in Spanish 1&2 and Teacher Recommendation

This course builds on the concepts of Spanish 1/2 regarding grammar and vocabulary units, but is taught in greater depth and at an accelerated pace. Students will experience applicable and relevant units of curriculum that allow them to gain language proficiency. Students will continue to improve in their communication and cultural skills at a more advanced level. Emphasis on communication will focus on present, future and past.

Spanish 5&6 (courses #831 & #832)**Grades 9, 10, 11, 12***Prerequisite: Spanish 3&4*

This course reviews and increases understanding of grammatical concepts in Spanish 3/4, and introduces a variety of other tenses, as well as the subjunctive and imperative moods. Students will utilize the past, present and future tenses to explore units concerning detailed personal description, fashion, travel, conservation, and more. Students will also be exposed to historical, social and environmental aspects of Latin American countries and cultures.

Honors Spanish 5&6 (courses #855 & #856)**Grades 9, 10, 11, 12***Prerequisite: 3.5 average GPA in Spanish 3&4 and Teacher Recommendation*

This course is for students who were previously enrolled in Spanish Honors 3/4. It will be conducted in Spanish, and students will be expected to achieve greater proficiency through their accelerated and in depth units of study. Students will develop their skills in writing and speaking in Spanish, as well as experience more advanced grammar and vocabulary concepts. Students will explore cultural themes through authentic experiences with Spanish in listening and reading.

Spanish 7&8 (course #842 & #843)**Grades 9, 10, 11, 12***Prerequisite: Spanish 5&6*

Spanish 7&8 is a course designed to prepare students for the vocabulary and activities they will experience in Advanced Placement (AP) Spanish Language and Culture. Students are provided with opportunities to develop language proficiency across the three modes of communication: Interpretive, Interpersonal, and Presentational. Students will also develop their Spanish skills in the five goal areas as outlined by the national standards: Communication, Culture, Connections, Comparisons, and Communities. This course is conducted entirely in Spanish and all students are expected to use Spanish with their teacher and peers. Students learn about culture through the use of authentic materials that are representative of the Spanish-speaking world.

Spanish Immersion AP Prep 1&2 (course #846 & #847)**Grades 9, 10, 11, 12***Prerequisite: completion of 8th grade Spanish Immersion classes & AAPPL placement*

Spanish Immersion AP Prep (SIAP Prep) is a course designed to prepare students for the vocabulary and activities they will experience in Advanced Placement (AP) Spanish Language and Culture. Students are provided with opportunities to develop language proficiency across the three modes of communication: Interpretive, Interpersonal, and Presentational. Students will also develop their Spanish skills in the five goal areas as outlined by the national standards: Communication, Culture, Connections, Comparisons, and Communities. This course is conducted entirely in Spanish and all students are expected to use Spanish with their teacher and peers. Students learn about culture through the use of authentic materials that are representative of the Spanish-speaking world.

Advanced Placement Spanish Language & Culture 1&2*(course #851 & #852 called AP Spanish Language & Culture 1&2 in PowerSchool)**Prerequisite: Spanish 7&8 OR Spanish Immersion AP Prep OR Teacher Recommendation***Grades 10, 11, 12**

The AP Spanish Language and Culture course provides students with opportunities to develop language proficiency across the three modes of communication: Interpretive, Interpersonal, and Presentational. Students will also develop their Spanish skills in the five goal areas as outlined by the national standards: Communication, Culture, Connections, Comparisons, and Communities. This rigorous course is conducted entirely in Spanish and all students are expected to use Spanish exclusively with their teacher and peers. Students learn about culture through the use of authentic materials that are representative of the Spanish-speaking world. This course is comparable to a third-year university course, fifth and sixth semester. Students are encouraged to take the AP Language and Culture Exam.

Spanish Immersion ELECTIVES**SI Spanish in the Community*** (course #840)**Grades 11, 12***Prerequisite: AP Spanish Language & Culture 1&2***Non-Spanish Immersion students must obtain a recommendation from the AP Spanish teacher to take this course.*

This is a one-semester course for 11th and 12th grade Spanish Immersion students in which they utilize their Spanish language skills by serving the community. Students will choose and fulfill a practicum including, but not limited to interning at El Puente (Spanish Immersion Elementary School), translating and interpreting for area businesses and/or using Spanish in a community setting.

DE Spanish Reading and Telling Stories (course #8300) **GVSU: 3 credits****Grades 11, 12***Prerequisite: AP Spanish Language & Culture 1&2*

This one-semester course is for Spanish Immersion students. It is equivalent to Grand Valley State University (GVSU) SPA 300 – Reading and Telling Stories. This course introduces some of the most important short story writers from Spain and Latin America of the late 19th and 20th centuries. It is designed to aid students to develop reading strategies, as well as to become more skilled storytellers. Students must also submit Dual Enrollment paperwork to their school counselor.

***World Language Articulation Agreement**

Students completing the following courses with a 3.0 GPA or higher and signed documentation from their instructor for the class are eligible for advanced credit at the following universities/colleges. These credits will appear on a student's college transcript once they have applied, been accepted, and successfully completed at least one additional course.

Jenison Course

French 1&2

Spanish 3&4 OR Honors Spanish 3&4

Spanish 3&4 OR Honors Spanish 3&4

Spanish 5&6 OR Honors Spanish 5&6

Spanish 7&8

Davenport University Equivalency

(also Scottish Qualifications Authority Equivalency)

FNLG

Foreign Language

SPAN111

Beginning Spanish I

SPAN121

Beginning Spanish II

SPAN211

Intermediate Spanish I

SPAN221

Intermediate Spanish II

Supplemental Curriculum

Supplemental Curriculum is the placement of a student other than within the high school building. These opportunities are designed to complement our curriculum, not substitute it. Supplemental Curriculum opportunities include:

CAL (Cross-Age Learning) 1&2	Careerline Tech Center
Dual Enrollment	Independent Studies
Links	Online Learning
Work Based Learning (WBL)	

CAL (Cross-Age Learning Tutor) 1&2 (courses #150 and #151 called *CAL 1&2* in PowerSchool)

Grades 11, 12

Prerequisite: Staff approval

CAL 1: Students wishing to participate in CAL will be evaluated by the staff. The CAL program expects tutors to be trustworthy, tactful, patient, and intelligent. The students applying to be a tutor must exhibit excellent attendance, maturity, a sense of responsibility, be deemed good role models for elementary students, as well as enjoy children. Those who are selected by the staff will receive 8 to 9 weeks of training in education to best prepare them to be an effective tutor in an elementary classroom. Some of the topics covered include State Standards, Special Education, Special Services offered by schools, Lesson Design, and Classroom Management. After this initial training, tutors will be placed in local elementary schools. Tutors will be periodically observed and evaluated by both the sending and receiving teacher.

CAL 2: Students will present their own lesson in front of a small group of CAL peers and then to their elementary students. The lessons should adhere to a standardized lesson plan format. Additional topics covered in the second semester include employment readiness, interviews, and teaching portfolios. Students will also continue tutoring in their elementary school classrooms throughout the semester.

Only students with strong academic backgrounds, excellent attendance, and the ability to positively influence elementary students should apply. Tutors need to provide their own transportation. Traditionally, most tutors carpool.

Careerline Tech Center (course #170/171, #172/173 called *Tech Center AM 1&2, TechCenter PM 1&2* in PowerSchool)

See below for Careerline Tech Center (CTC) Pathways Programs Offered

Grades 11, 12

Dual Enrollment [DE Application Form Link](#)

Grades 11, 12

DE course #50 called Adv Placement in PowerSchool and will be replaced with actual DE course once a concise schedule is submitted.

Students may benefit by taking college courses offered in one of several colleges within our area. On April 1, 1996, Public Act 160 created the Postsecondary Enrollment Options Act which allows school districts to assist students in paying for tuition and fees for course work at higher institutions of learning in Michigan based on the following conditions:

1. The student shall not have been enrolled in high school for more than 4 school years including the year the student seeks to enroll in a post-secondary course.
2. The student must have achieved a qualifying score on ACT or SAT.
3. The student must have achieved a qualifying score in all subject areas of the State of Michigan assessments, or, if the student has not achieved a qualifying score in all subject areas of the State of Michigan assessments, the student may enroll in a course in the subject area for which he or she has achieved a qualifying score, in computer science, foreign language not offered by the school district, or in fine arts as permitted by the school district.
4. Jenison will reimburse one-twelfth of the State student foundation grant for each JHS dual enrollment semester hour.
5. The course offered by an eligible postsecondary institution is not offered by the school district in which the student is enrolled or is offered by the school district but is not available due to a scheduling conflict beyond the student's control. The course may not be a hobby craft or recreational course and must be in an area other than physical education, theology, divinity, or religious education.
6. Upon the submission of final grades, high school and post-secondary credit will be issued. Dual Enrollment course grade will be calculated toward a student's cumulative GPA.
7. 1-2 credit dual enrollment class = .5 credit, 1 semester hour (JHS), 3-4 credit dual enrollment class = 1.0 credit, 2 semester hours (JHS)

Independent Study (*S1 course #155 called **Ind study 1**, S2 course #156 called **Ind study 2** in PowerSchool*) **Grades 11, 12**

The purpose of the Independent Studies program is to offer students the opportunity to study in areas **not** covered by the standard curriculum. In order to arrange an Independent Study, students should contact their School Counselor for an application and an explanation of the process. Students must be in attendance at an arranged location within the school building and working on the Independent Study curriculum on a daily basis.

Links (*course #003*)**Grades 10, 11, 12**

The LINKS course is designed to give students an opportunity to work one on one within a classroom setting. Students accepted into this course will be placed with a student with a disability in a general education or special education class. Students will learn how to support and advocate for their peer with autism within the assigned class by helping with organization, communication, independence, socialization, and the academics of the class. This course follows a state and board approved curriculum in which students will learn about autism and those with differences around them. Students must complete an application and be accepted into the class based on schedule availability, attendance, and the scheduling needs of the students with disabilities and proof of a high level of responsibility.

Online Learning (*course #1501 for **Online Course 1** and course #1502 for **Online Course 2***)**Grades 9, 10, 11, 12**

Section 21f of the FY2013 State School Aid Act expands access to digital learning options for students in Michigan. This legislation enables public school students in grades 5-12, with the consent of a parent or guardian, to enroll in up to two online courses during an academic term, semester, or trimester. Enrollment in online courses under Section 21f cannot result in a course load that exceeds a full-time schedule. [Online Learning Link](#)

For more information on Expanding Online Learning and the [21f Tool Kit](#) please click on the link. If a student is interested in enrolling in an online course, please make sure that you follow the steps listed below.

1. Review and discuss the Characteristics of Successful Online Learners.
2. Review the link to Parent Guide to Online Learning published by MVU.
3. Print and complete the Online Learning Questionnaire.
4. Review the courses offered in the [Michigan Online Course Catalog](#) (select statewide catalog).
5. Print and complete the Online Learning Course Request Form.
6. Return the above forms to the school counselor.
7. Schedule a meeting with counselor, student, and parent/guardian during the course registration window.
8. Complete the Online Learning Contract.
9. Complete enrollment.

Work Based Learning (*courses #580 & #581 called **Work Based Learning 1&2** in PowerSchool*)**Grades 11, 12**

The Work Based Learning (WBL) program recognizes the value of supervised work as a learning experience. The goal is provide students with a planned program of job training and other employment experiences related to their chosen career. This career position must be a position of leadership or management based on curriculum. Within our community, there are many laboratories where young people may learn the skills and knowledge which will help them to become trained craftsmen and business associates. These laboratories are the various trade, industrial, and business establishments in our community. By working part of the school day, under competent supervision, the student, (called the trainee) may learn practical skills and knowledge which will contribute materially to his or her growth and development as a productive citizen. This combined work-school training program will give trainees credit towards their high school diploma. Along with this training, WBL students are enrolled in a related course of study which will help them develop those skills that will be valuable to them on the job and after graduation from Jenison High School.

Careerline Tech Center

Careerline Tech Center (CTC) provides career education to juniors and seniors in high school and offers the opportunity for students to gain skills and/or prepare for post-secondary education in one of 27 programs. Tech Center classes are free. Programs are offered Monday through Friday and students attend for a half day either in the morning or the afternoon. Interested students and parents can get more information on Careerline Tech Center by visiting the website at www.careerlinetech.org or “like” us on Facebook.

Each year, CTC has an open house in October and again in February for parents and potential students to visit the programs and talk with instructors. In February, 10th and 11th grade students have the opportunity to visit programs at the Tech Center before selecting a program for the following year. CTC has articulation agreements with 21 area colleges and universities. Those agreements give students the chance to earn college credit while still in high school. Direct college credit may be an option for some students. Early college options allow students to enroll, while at the Tech Center, as a college student. All work is completed at CTC and is part of the standard curriculum. College credit is earned and placed on a transcript to follow students to the college of their choice upon high school graduation.

In addition, Careerline Tech Center offers students in Engineering Design, Electrical and Mechatronics/Robotics the opportunity to enroll in an early college program in partnership with local businesses and Grand Rapids Community College. More information on the early college program is provided on our website.

While Tech Center credit is earned as electives, Tech Center students have the opportunity to receive academic credit (4th Year Math, 3rd Year Science, Visual/Performing Arts and an on-line learning experience). All academic credits may not be available in all programs. Check with your high school counselor.

Careerline Tech Center’s programs are organized by pathways, broad groupings of careers that share similar characteristics and whose employment/education requirements call for many common interests, strengths, and competencies.

Agriculture, Food & Natural Resources Pathway

Agriculture/Animal Science ~ one year program – This program is designed for students to gain an awareness of environmental, horticultural, and animal sciences. They study ecosystems, water quality, plant identification, landscape design, and animal anatomy and nutrition. The concept of “going green” will be discussed as well as renewable/sustainable energy resources. Students will work with animals in a lab setting.

Natural Resources & Agriscience ~ one year program – Students will explore the environment and how it’s impacted by human interactions. Areas of study include forestry, soil chemistry, plant and wildlife identification and ecosystems.

Arts and Communications Pathway

Graphic Design ~ one year program – The fundamentals of drawing and design are combined with computer software skills to produce original graphic design work and illustrations. Computers are used to produce high quality projects that are assembled into a portfolio.

Media Communications ~ one year program – Learn video production, editing, and broadcasting. Operate video cameras, sound and mixing boards, and lighting in a production studio and on remote locations.

Printing & Imaging Technology ~ one year program – Students learn all aspects of printing from graphic design to digital imaging to final printed product. In addition, students assemble and maintain a portfolio of their work.

Business, Management, Marketing & Technology Pathway

Business Management ~ one year program – Showcase your management and leadership skills by running the school store, Port 31. Students collaborate on all areas of the business as a staff.

Culinary Arts ~ one year program – Focus on the food and beverage industry, nutritional values of foods, proper cooking methods and sanitation.

Entrepreneurship & Global Business ~ one year program with a second year option – Develop a business plan for your own business as well as manage a virtual, global business as a class, working with students from around the world.

IT: Network & Security ~ one year program with a second year option – Learn the fundamentals in PC hardware and operating systems, PC repair and troubleshooting, and help desk/customer service. Get CompTIA certifications in A+, Networks+, and more.

Pastry Arts & Baking ~ one year program – Prepare cakes, cookies, pies, breads, and various baked items. Learn customer service by working in the Bakery store.

Software and Game Development ~ one year program with a second year option – Learn how to develop software (web applications, console programs, and games) while earning CIW and CompTIA certifications and college credit.

Construction Pathway

Construction ~ one year program with a second year option - Students study all aspects of the construction industry including blueprint reading, framing, roofing, siding, masonry, and basic carpentry skills. Students gain experience by building the Tech Center project house. “Green” technology in building/construction is taught.

Electrical/Alternative Energy ~ one year program, Early College option – Understand how electricity is transmitted as well as alternative methods of producing electricity including wind, solar, and hydro-electric. Gain experience in electrical installation methods for commercial, industrial, and residential applications.

Plumbing & Water Systems ~ one year program – Explore the newest technology in renewable/sustainable energy including geothermal, rainwater harvesting, and irrigation. Also, learn layout and design of water purification systems. Put skills to work at the “project house”.

Engineering/Manufacturing Pathway

Engineering Design & Machine Technologies ~ one year program, Early College option – Build and design custom parts and assemblies of products, tools, and machines used in the automotive, manufacturing, and construction industries. Use the latest engineering/design software and get experience programming CNC equipment. In addition, set-up and operate lathes, mills, and grinders.

Mechatronics/Robotics ~ one year program, Early College option – Learn electronics, robotics, equipment controls and sensors, and programming used in electro-mechanical systems. Students design and build vex robotic systems and an electric race car.

Welding ~ two year program (may be taken for one year) – Learn the basics of welding including design, layout and fabrication of metals, the identification of metal and alloy properties, and fluxcore and plasma arc cutting.

Health Sciences Pathway

Advanced Healthcare ~ one year program, open to seniors ONLY – Build on health foundations learned in the first year. Gain advanced skills in EKG, dressing changes, catheters, pre/post operative care, injection techniques, intravenous fluids, and phlebotomy (blood testing, drawing blood).

Certified Nurse Aide (CNA) ~ one year program – Gain the information and skills necessary to become a certified nurse aide. Document/report on patients, check vital signs, administer medications and/or treatments, apply dressings and bandages, and help keep patients clean.

Dental Careers ~ one year program – Become a chairside dental assistant and explore other careers including a dentist, dental hygienists, or dental lab technician.

Emergency Medical Services ~ one year program, open to seniors ONLY – Train to become an Emergency Medical Technician. Learn to assess patients involved in different types of emergencies and trauma, and study treatment procedures.

Patient Care Tech (PCT) ~ one year program – Students learn basic patient care such as temperature, blood pressure, pulse and breathing rates, and the use of computers in healthcare. Students have the opportunity to earn certification as a PCT.

Phlebotomy ~ one year program – Investigate the healthcare system and related sciences learning medical terminology, vital signs, communication and CPR/First Aid. In addition, you can earn a Phlebotomy (blood draws) certification.

Human Services Pathway

Cosmetology ~ one year program, open to seniors ONLY – Learn many services offered in the cosmetology profession including hair cutting and styling, manicures, pedicures, and coloring. There is a fee for students which covers textbook, smock, and hair cutting tools. The Cosmetology program is offered at Tulip City Beauty School.

Teacher Academy ~ one year program – Discover the different ways in which children learn and grow. Learn the physical, social, cognitive, and emotional development of children as well as observation skills and lesson preparation.

Public Safety & Security Services ~ one year program – Train in the protection of people. Learn about law enforcement, public safety, and security services in our community. Areas of study include Michigan law, the court system, corrections, emergency procedures (CPR and first aid), and investigative procedures.

Transportation Pathway

Auto Body Repair ~ one year program with a second year option – Work on cars and trucks learning welding techniques, dent removal, panel replacement, surface preparation, and painting.

Automotive Technology ~ two year program (may be taken for one year) – Learn and apply the basics of auto service in the areas of tire service, exhausts, tune-ups, engines, brakes, suspensions, and electronics.

Diesel/Heavy Equipment Mechanics ~ two year program (may be taken for one year) – Operate, service, and repair diesel powered equipment found in heavy duty truck, construction equipment, and agricultural equipment applications.

COLLEGE INFORMATION SUMMARY

This information is a summary of the questions most commonly asked by Jenison High School students concerning college. The colleges and universities included, both in and out of state, are those our students regularly attend. The list is not all inclusive nor does it contain all of the information that should be considered in selecting a college. To get a complete picture of any college or university, you should use not only this information, but also the individual college catalogue and make a campus visit.

As you use this information and plan for college, you should keep the following factors in mind:

1. See your counselor. They will be glad to answer any questions that you might have.
2. All requirements listed are the minimum requirements. Many colleges require more than the minimum to be accepted.
3. Colleges base their admission decisions on six factors: course selection, class rank, G.P.A. (both overall high school and academic G.P.A. computed by the college), test scores (ACT/SAT), trends – are grades going up or down, and special circumstances. Take as strong a college prep curriculum as possible but don't forget the liberal arts. Many colleges are increasing requirements in that area as well.

Academic Requirements for Admission – Presidents Council – State of Michigan

Central Michigan University, Eastern Michigan University, Ferris State University, Grand Valley State University, Lake Superior State University, Michigan State University, Michigan Technological University, Northern Michigan University, Oakland University, Saginaw Valley State University, The University of Michigan – Ann Arbor, The University of Michigan – Dearborn, The University of Michigan – Flint, Wayne State University, Western Michigan University

In March 1991, the state universities of Michigan adopted specific admissions requirements for students who graduate from high school in 1995 and thereafter and who wish to enter any of the 15 public universities. The new statement is an outgrowth of an initiative begun over five years ago to improve academic preparation of students seeking admission to a state university.

The state universities have agreed that to be eligible for regular admission to a four year degree program, a high school student **MUST** successfully complete the following course requirements:

English – four years required.

Mathematics – three years required, including intermediate algebra; four years strongly recommended.

Biological/Physical Sciences – two years required; three years strongly recommended to include one year of biological science and one year of physical science. At least one year of a laboratory science is also strongly recommended.

History and Social Sciences – three years required; one year of American history and one year of world history strongly recommended.

Prospective students are also encouraged to complete courses in the following areas:

World Language – three years strongly recommended.

Fine and Performing Arts – two years strongly recommended.

Computer Literacy – one year of hands-on experience in using computers is strongly recommended.

The universities recognize that, for a variety of reasons, some students may not be able to complete all of the requirements. In such circumstances, students may still be considered for admission and, therefore, are encouraged to apply to the university of their choice. In all instances, each university has final authority for admissions decisions, based on the level of achievement required and other indicators of potential for academic success.

Students are encouraged to make the best use of courses that are offered at their high school. By doing so, they are more likely to develop the competencies and skills that are essential for academic success and, at the same time, have greater control over their choice of college and career options.