

## REGISTRATION INFORMATION

This manual has been prepared to assist students in planning their educational program and selecting courses for the next school year. Parent/guardian and student need to study this booklet carefully and choose courses wisely based on student needs. Students must carefully plan and review their tentative schedule of courses for each of their remaining high school years. Through discussion with parents/guardians, a four-year plan should be developed. Personal interest and aptitude, post-secondary education preparation, and career goals are important factors to keep in mind as students decide which elective courses to select.

### Non-Discrimination Statement

It is the policy of the Janesville Consolidated School District not to illegally discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy please contact the district's Equity Coordinator, Chad Angel, K-12 School Counselor, 505 Barrick Rd, 319-987-2581, [chad.angel@janesvilleschools.net](mailto:chad.angel@janesvilleschools.net)

## REGISTRATION PROCEDURES

- 1) Registration for classes for the academic year takes place during the second semester. Students will be provided the necessary registration materials and assistance in reviewing their educational plan and progress. The school counselor will be available for consultation and scheduling changes.
- 2) Students are required to carry six subjects and Physical Education per semester except as noted in the postsecondary education options policy (extenuating circumstances may be considered) and those who are academically capable are encouraged to enroll in seven or more courses.
- 3) The student will then be required to obtain a parent's signature on the registration form and return to the Counseling office.
- 4) After registration forms have been returned, a master schedule is developed that minimizes course conflicts. If conflicts cannot be resolved, students will need to choose an alternative course.

*\*Course changes are discouraged but students have 2-3 school days to ADD/DROP a course at the beginning of each semester. If the change involves a core class, the student's parent will be required to contact Mr. Angel via phone (987-2581) or email ([chad.angel@janesvilleschools.net](mailto:chad.angel@janesvilleschools.net))*

There are some things all students should be aware of:

1. Determine which courses will meet the requirements for admission to the college, vocational-technical school, or the job field you plan to enter after graduation.
2. College bound students should take at least two years of a foreign language. Students should check specific college programs to determine if additional years are needed. Post secondary educational plans should be kept in mind, and course selection should reflect those interests.
3. For a vocational career, you may want to consider more industrial technology education, family and consumer sciences, and business education courses.

**\*Be certain you are meeting the Janesville graduation requirements! Remember that it is YOUR responsibility to have the courses necessary to graduate.**

## GRADUATION REQUIREMENTS

- I. Each student must pass:
  - A. 48 credits to graduate (A unit of credit is gained by successfully completing a semester length course which normally meets every day school is in session.).
    1. Students are required to be enrolled in at least 6.5 credits per semester (this may include retakes and failures).
    2. 1.0 credit is earned for each semester course a student passes. Physical Education, Choir, and Band earn .5 credits per semester.
    3. The following are departmental requirements:
      - a. 6 semesters of Social Studies (U.S. History I & II, Psychology\*, World History/Geography\*, Government, & Economics are required)
      - b. 8 semesters of English (English I, II, III, and 2 elective credits are required).
      - c. 6 semesters of Science including Integrated Science I, Integrated Science II and 2 elective credits are required. (Physiology, Chemistry, or Physics)
      - d. 6 semesters of Math (9<sup>th</sup> graders start with any of the following & progress sequentially: Algebra A, Algebra I, Geometry.
      - e. 8 semesters of Physical Education (.5 credit earned per semester).
      - f. 2 semesters of Health (.5 credit earned per semester)
      - g. 15 elective credits
      - h. 1 semester of Career Planning
- II. The Superintendent will present to the Board of Education, at the regular meeting in May, a list of students eligible for graduation.
- III. Students must complete all graduation requirements to be eligible for a diploma and participation in graduation exercises. No blank diplomas will be presented pending the completion of requirements during the summer. The normal length of a high school career is 4 years. Any deviation from a 4-year plan requires administrative approval.

## ACADEMIC RECOGNITION

After four years, students earning a minimum GPA of 3.5 will graduate with High Honors. Students earning a grade point of at least 3.0 but less than 3.5 will graduate with Honors. Honor students will receive recognition during the commencement service. Freshmen, sophomores, juniors, and seniors are eligible to receive academic letters and bars for maintaining a minimum grade point of 3.5 for two consecutive semesters.

## POST-SECONDARY EDUCATION OPTIONS POLICY

Students eligible to enroll under this act:

- Juniors and Seniors
- Freshmen and Sophomores who are identified as a gifted and talented student according to school district's criteria and procedures

Students are prohibited from enrolling full-time in college credit courses at any one postsecondary institution. Full-time is defined as enrollment in 24 or more postsecondary credit hours in any one postsecondary institution in one academic year excluding any summer term. Eligible students may take up to seven earned semester hours of credit in the summer if they have completed the eleventh grade but have not yet completed the requirements for graduation, and if the student pays the cost of attendance of these summer credit hours.

Courses taken through the post-secondary education option act will be on a credit basis. A three-semester hour postsecondary institution course will receive one semester high school credit upon successful completion. The postsecondary education institution shall provide Janesville High School with a copy of grades earned by students enrolled under this act. Postsecondary courses will be included on the student's transcript. Courses may not be audited. Students may not enroll in an eligible postsecondary education institution if a comparable course with substantially the same concepts and skills as the content of a course available at Janesville High School. Course comparability will be determined by the administration through consultation with the high school staff. Eligible courses must meet the following criteria:

- nonsectarian and
- not comparable to courses offered by JHS and
- credit-bearing courses that lead to an educational degree and
- courses in the areas of math, science, social studies, humanities, vocational-technical education and
- career option programs offered by public area colleges.

Correspondence and teleconference courses are eligible under the postsecondary education options act provided the course is offered by an eligible postsecondary institution and the course meets eligibility criteria. With administration approval, a student may be excused from the physical education requirement if a physical education class cannot be scheduled due to irresolvable conflicts with an eligible postsecondary course the student is enrolled. The minimum course load requirement of six courses plus physical education per semester may be waived if:

- a conflict exists between a high school course and a postsecondary course which cannot be resolved and
- the student's credit status is on line with the student's projected graduation date.

There will be no charge to the students for tuition, textbooks, materials or fees. The student may be required to purchase equipment that becomes the property of the student. The school district will pay a tuition reimbursement to the eligible postsecondary institution in an amount not to exceed \$500 per course for each eligible course in which the student is enrolled. The Janesville Consolidated School District is not responsible for financial payment if the student has not notified the school district of their intent to participate in this act. The Janesville Consolidated School District will follow the eligible postsecondary institutions' guidelines regarding refunds when an enrolled student withdraws from a postsecondary course. The student and/or parent/guardian will be responsible for payment of tuition if the course is failed or withdrawn after the deadline. By May 1 of each calendar year, eligible postsecondary education institutions shall send to Janesville Consolidated School District a request for payment.

A pupil attending an accredited non-public school shall be counted as a shared-time student in the school district in which the non-public school of attendance is located. The request shall identify the students, courses, credits, and charges. The Janesville Consolidated School District will pay the eligible postsecondary institution no later than June 30 of each year a tuition fee reimbursement for students enrolled under the postsecondary education options act. The parent or guardian is responsible for providing transportation to and from the postsecondary education institution.

## Regent Admission Index

Students from Iowa high schools must have a Regent Admission Index score of at least 245 and take the minimum number of required high school courses to qualify for automatic admission to Iowa State University, the University of Northern Iowa, and the College of Liberal Arts and Sciences at The University of Iowa. Students who achieve a score less than 245 will be considered for admission on an individual basis.

The index combines four factors that strongly predict success at regent universities: ACT or SAT test score, high school rank, high school cumulative grade-point average, and the number of completed high school core courses.

### How is the RAI Used?

A student's RAI score is used for admission for admission purposes to UNI, Iowa, and ISU. It also is used in awarding some scholarships.

### Which Core Courses Count in the RAI?

Any college-prep course in English, mathematics, science, social studies, and world language can be used in calculating a student's RAI score. To be considered for admission, students must have taken (or plan to take) at least 15 college-prep courses (full-year) including the following: 4 years of English, 3 years of Math (including Alg. 1, Alg. 2, and Geometry at minimum), 3 years of social studies, 2 years of the same world language, and 3 years of Science.

All other courses in these areas (above and beyond those required for admission), can be used in calculating the RAI. High school counselors can help students and parents determine which courses qualify as "college-prep" or students can call the Office of Admissions of UNI, Iowa, or ISU.

### How to Calculate Your RAI:

2 x ACT Composite Score (or the SAT Equivalent)  
+1 x High School Percentile Rank  
+20 x High School GPA  
+5 x Number of Core Courses Completed by High School Graduation  
=RAI Score

### Online RAI Calculator

Compute your own RAI score at: <http://www.regents.iowa.gov/RAI/index.html>

To enter Hawkeye Community College: Admission to Hawkeye Community College is open to all qualified applicants who have reached high school age. Students must take the ACCUPLACER test and successfully achieve the qualifying scores to enter HCC. If a student does not achieve the qualifying scores they may be required to take “Success Courses”. Tuition payments for those courses are the responsibility of the student and their family. In addition, consideration will be given to admitting high school age persons with the approval of their high school and their parent(s) or guardian. Students applying to enter Hawkeye Community College are evaluated on each applicant's potential for success. The admissions staff considers transcripts and test scores. Basic skills proficiency tests may be taken at Hawkeye's Evaluation Center. All degree (two-year) programs and the health science diploma programs require high school graduation or the equivalent. High school graduation is highly recommended. Specific career programs may have additional admission requirements. Interested students should contact the Enrollment Services Department at Hawkeye Community College.

## ART

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### **HS ART (Elective)**

Credit: 1

Grade: 9, 10, 11, 12

Length: 1 semester

Prerequisite: None

*Course Description:* 9-12 Art is designed to present the basic skills and techniques in drawing, painting, printmaking, photography, and sculpture. Art history will be discussed as it relates to assignments. Emphasis is on elements and principles of design with exposure to a variety of media. Units of study will vary in order to expose students to a wide variety of art topics. This is a one-semester class that students can take repeatedly.

### **YEARBOOK (Elective)**

Credit: 1

Grade: 9, 10, 11, 12

Length: 1 semester

Prerequisite: None

*Course Description:* Students will apply photography, communication, and graphic design skills in designing and producing the Janesville CSD Yearbook.

## BUSINESS

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### **SMALL BUSINESS OPERATIONS (Elective)**

Credit: 1

Grade: 9, 10, 11, 12

Length: 1 (students can take this class as many times as they'd like)

Prerequisite: None

*Course Description:* Students enrolled in the Small Business Operations class will be responsible for continuing the organizing, operating, planning, and creating of the Wildcat Snack Shack. The class this year will work on creating many more options for snacks and drinks that meet the school guidelines. The curriculum for this class will focus on entrepreneurship, marketing and the practical requirements for creating and operating a small business. Students will also complete entrepreneurship projects, public relations projects, or other research projects.

### **CAREER PLANNING (this is an online Edgenuity class that is Required for graduation)**

Credit: 1

Grade: 11,12 (10<sup>th</sup> with approval)

Length: 1 semester

Prerequisite: None

*Course Description:* Are you uncertain as to what career you want to pursue after high school? If so, this is the course for you. The purpose of this course is to allow students the opportunity to explore numerous careers. Each student will identify their abilities and skills, then utilize the 8 Iowa Career Pathways to look at groups of occupations that will link what they learn in school to the knowledge and skills they will need for success after high school. ***Each student will participate in 2 job shadowing experiences.*** Guest speakers from the various Career Pathways are an important part of this class. Students will also work on their job-readiness skills including: job search strategies, applications, resumes and cover letters, and interviews/follow-up letters. ALL materials worked with in class will be used to develop a personal job portfolio for future use!

### **WILDCAT MULTIMEDIA**

Credit: 1

Grade: 9, 10, 11, or 12

Length: 1 semester (but students can take as many semesters as they'd like)

Prerequisite: None

*Course Description:* Wildcat Multimedia class is a class in which students can select from a variety of independent study topics to dive into. Previous projects have included: podcasts, daily announcements, videos, graphic design and other projects that have benefitted Janesville CSD.

# ENGLISH

## SEQUENCE OF COURSES

Grade 9	Grade 10	Grade 11	Grade 12
<i>Required = English I</i>	<i>Required = English II</i>	<i>Required = English III</i>	<i>Required = 2 HS Electives of choice</i>
			<i>College Classes</i>

- *Students are required to take 8 semesters (4 full years) of English Education.*
- *Electives will attempt to be capped at 20 students with priority given to seniors.*

### **ENGLISH I (Required)** Credit: 2

Grade: 9, 10, 11, 12

Length: 2 semesters

Prerequisite: None

**Course Description:**

This course emphasizes the fundamental language skills of reading, writing, speaking, listening, thinking, viewing and presenting. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction.

### **ENGLISH II (Required)** Credit: 2

Grade: 10, 11, 12

Length: 2 semesters

Prerequisite: English I

**Course Description:**

This course emphasizes the fundamental language skills of reading, writing, speaking, listening, thinking, viewing and presenting. Students will continue to apply the techniques they've learned from analyzing texts. Tenth-grade literature will likely include American, British, or world literature.

### **ENGLISH III (Required)** Credit: 2

Grade: 11, 12

Length: 2 semesters

Prerequisite: English I & II

**Course Description:** *This course emphasizes the fundamental language skills of reading, writing, speaking, listening, thinking, viewing and presenting. Students will study the development of American thought and the American voice in literature while reading and evaluating various forms and types of texts including novels, poetry, informational texts and visual texts.*

### **ENGLISH IV (Elective)** Credit: 2

Grade: 12

Length: 2 semesters

Prerequisite: English I, II, & III

**Course description:** English IV is designed to promote and engage skills necessary to be a literate reader, speaker, and writer of the English Language. Emphasis is placed on preparing students for communication skills needed for success in all life paths.

### **CONTEMPORARY LITERATURE (Elective)** Credit: 1 or 2

Grade: 11 or 12 (10 by instructor approval)

Length: 1 or 2 semesters

Prerequisites: English I & II

**Course description:** Contemporary Literature offers a global approach to literature. It explores literature from approximately 1970 to the present. Students will also write creatively by developing their own poems, stories and creative essays. Contemporary issues and mature language may be encountered in the reading.

**AP English Literature and Composition (Elective)**

Credit: 2

Grade: 11

Length: 2 semesters

Prerequisite: A/B in English 2

*Course description:* Learn how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. Read literary works and write essays to explain and support your analysis of them.

This course can earn up to six college credit hours, depending on the institution. In order to earn college credit for this course, students must receive a passing score on the AP Exam in the spring.

**AP Language and Composition (Elective)**

Credit: 2

Grade: 12

Length: 2 semesters

Prerequisite: A/B in English 3; A/B in AP Lit

*Course description:* Learn about the elements of argument and composition as you develop your critical-reading and writing skills. Read and analyze nonfiction works from various periods and write essays with different aims: for example, to explain an idea, argue a point, or persuade your reader of something.

This course can earn up to six college credit hours, depending on the institution. In order to earn college credit for this course, students must receive a passing score on the AP Exam in the spring.

**Film Analysis (Elective)**

Credits:1/sem

Grade: 11 or 12

Length: 2 semesters

Prerequisite: None

*Course description:* This course introduces students to the basics of film analysis, including genre, cinematic elements, mise-en-scène, narrative structure, characterization, and more. Develop your analytical writing skills through watching and critiquing films chosen from the American Film Institute's Top 100, and explore your creative skills by creating your own short film.

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**FOREIGN LANGUAGE**

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**SPANISH I (Elective)**

Credit: 2

Grade: 9, 10, 11, 12

Length: 2 semesters

*Course description:* Students will develop rudimentary listening, speaking, reading, and writing skills in Spanish. They will be able to carry on simple conversations in the present tense about themselves, their family and friends, and their communities. The student's grade will be as follows: 50% tests and quizzes, 30 % daily work, and 20% for class participation and oral work.

**SPANISH II (Elective)**

Credit: 2

Grade: 10, 11, 12

Length: 2 semesters

Prerequisite: Spanish I

*Course description:* The course will be taught entirely in Spanish. Students will continue developing their skills of listening, speaking, reading, and writing in Spanish. The Hispanic culture will be studied in greater depth. The student's grade will be as follows: 50% tests and quizzes, 30 % daily work, and 20% for class participation and oral work.

**SPANISH III (Elective)**

Credit: 2

Grade: 11, 12

Length: 2 semesters

Prerequisite: Spanish I &amp; II

*Course description:* Students will continue to develop skills of listening, speaking, reading, and writing in Spanish. The students will be introduced to literature at this level. The student's grade will be as follows: 50% tests and quizzes, 25 % daily work, and 25% for class participation and oral work.



Grade: 12

Length: 2 semesters

Prerequisite: Spanish I, II, & III

*Course description:* Students will continue to develop skills of listening, speaking, reading, and writing in Spanish. The students will study literature in greater depth at this level. Each student's grade will be determined as follows: 50% tests and quizzes, 25 % daily work, and 25% for class participation and oral work.

**MATH**

SEQUENCE OF COURSES

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12 (Electives)</b>
<i>Algebra A</i>	<i>Algebra B</i>	<i>Geometry</i>	<i>Algebra II</i>

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12 (Electives)</b>
<i>Algebra I</i>	<i>Geometry</i>	<i>Algebra II</i>	<i>PreCalc/Trig</i>
			<i>WSR Finite Math</i>
			<i>WSR Intro to Calc</i>
			<i>College Courses</i>

ACCELERATED SEQUENCE OF COURSES

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11 &amp; 12 (Required = 2 Elective credits)</b>
<i>Geometry</i>	<i>Algebra II</i>	<i>PreCalc/Trig</i>
		<i>WSR Finite Math</i>
		<i>WSR Intro to Calc</i>
		<i>Vocational Math</i>
		<i>College Courses</i>

**\*Students are required to take 6 semesters (3 full years) of Mathematics Education as a high school student. Starting with the Class of 2018, this must include Algebra I, Geometry, & Algebra II. Students will vary on what grade they start at, but all will follow the required sequence.**

**\*If a student takes Algebra I in middle school, those credits will be recorded as electives on their high school transcript, which will then start their high school GPA. The student will still need to continue on with 3 full years of math in high school (View Accelerated Sequence of Courses). Exceptions can be made by administration for unique circumstances.**

**ALGEBRA A**

Grade: 9

Length: 2 semesters

Prerequisite Courses: None

Course Description: This course is designed for those students who want to take more math, possibly for college admission, but have experienced some difficulty with it. Algebra A covers 1<sup>st</sup> semester Algebra I topics at a slower pace. This course also provides review of basic computation skills.

*Math courses are continued on the Next Page*

**ALGEBRA B**Credit: 2

Grade: 10

Length: 2 semesters

Prerequisite Courses: None

Course Description: This course is the second in the sequence that will provide the equivalent of Algebra I. Algebra B covers 2<sup>nd</sup> semester Algebra I topics at a slower pace.

**ALGEBRA I**Credit: 2

Grade: 9, 10, 11, 12

Length: 2 semesters

Prerequisite Courses: None

*Course Description:* Beginning math course for college/vocational bound students as well as the basis for all advanced math courses. Topics covered are simple and complex equations, problem solving, polynomials, factorizations, functions, graphing, inequalities, systems and quadratics. An entry level of statistics, probability, and quantitative literacy are introduced. Lecture format, question and answer sessions, and group work are methods of instruction. Assessment is by assignments, quizzes and tests.

**GEOMETRY (Required)**Credit: 2

Grade: 9, 10, 11, 12

Length: 2 semesters

Prerequisites: Algebra I

*Course Description:* Geometry provides a foundation for the development of logical thought and analysis. All aspects of the traditional plane geometric construction techniques and development of inductive conjectures are investigated by practice. Applications of algebraic concepts are integrated into the body of the course to provide continued development of logical techniques problem solving. The class work material is oriented to “learn by doing” and intended to provide a strong basis for both the college bound student and those who choose to prepare for a technical vocational career. Emphasis will be placed on the students to apply definitions to discover generalizations through investigation and construct logical arguments. Homework is a combination of daily assignments from the text, worksheets, lecture material and individual project activities. Student assessment is measured by frequent quizzes, periodic examinations and selected accomplishment of work assigned to be completed both in and out of class.

**ALGEBRA II (Required)**Credit: 2

Grade: 10, 11, 12

Length: 2 semesters

Prerequisites: Algebra I, Geometry

*Course Description:* Advanced math course for college/vocational bound students that continues building the foundations of algebra. Quantitative literacy will include number operations and proportions, information processing, systematic counting, and democratic decision-making. Topics covered are problem solving, quadratics, graphing, complex numbers, analytic geometry, radicals, and matrices. Lecture format, question and answer sessions, and group work are methods of instruction. Assessment is by assignments, quizzes and tests

**PRE-CALCULUS/TRIGONOMETRY**Credit: 2

Grade: 11, 12

Length: 2 semesters

Prerequisites: Algebra I, Geometry, Algebra 2

*Course Description:* This course is designed as a college preparatory course. Students will review many of the concepts from Algebra 2 and Geometry in preparation for a first year college math class whether it be calculus, linear algebra, or mathematical reasoning. Heavy emphasis is placed on the study of functions, trigonometry, and systems of equations.

*\*Please see the Waverly-Shell Rock Curriculum guide for course descriptions for other upper level math courses.*

**VOCAL MUSIC**

**PERFORMANCE CHOIR (Elective)**Credit: .5/semester

Grade: 9, 10, 11, 12

Length: 2 semesters – every other day

Prerequisite: None

This year-long course provides an avenue for both male and female students interested in vocal music performance while developing their voice, musicianship, creative skills, and teamwork. It is also an outlet for the student who enjoys singing for his/her own pleasure. The following musical skills for ensemble singing will be stressed: proper breathing, pleasant vocal production, blend and balance, expansion of range, good intonation, ear training, and sight-reading various styles of choral literature will be explored. Participation in various performances is a requirement of the class along with traditional choral rehearsals, individual and small group instruction, and lessons. Students prepare for four concerts a year, and have the opportunity/option to participate in honor choirs, solo contests, all-state auditions, the variety show, and much more!

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**INSTRUMENTAL MUSIC**

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**BAND (Elective)**Credit: .5/semester

Grade: 9, 10, 11, 12

Length: 2 semesters every other day-Band is a year-long course open to any student with previous instrumental music experience. (Only in extreme circumstances and with prior approval by the director will students sign for only 1 semester.)

*Course Description:* Instrumental Music offers students the opportunity to learn about music through performance on wind and/or percussion instruments. All the students will participate in concert band and students in grades 7-12 will perform in the pep band. Many extra-curricular performances are also available. These include: chamber players, solo and ensemble performance, and honor band festival participation.

\* Students participating in band can also participate in other athletic events and co-curricular activities.

**JAZZ BAND (Elective)**Credit: .5/semester

Grade: 9, 10, 11, 12

Length: 2 semesters every other day at 7:30-8:15 AM

Prerequisite: Must be a member of the Janesville Concert Band (exception: guitar, bass guitar, piano)

*Course Description:* This class is an advanced level performing ensemble. Along with classroom rehearsals, the ensemble will perform at concerts and jazz band contest. The course objective is to develop each student's jazz musicality and musicianship as a member of an ensemble, as a soloist, and as an improviser.

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**PHYSICAL EDUCATION & HEALTH**

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**PHYSICAL EDUCATION (Required)**Credit: .5/semester

Grade: 9, 10, 11, 12

Length: 2 semesters every other day

Prerequisite: None

*Course Description:* This course is designed to teach students about personal wellness as they are taught skills necessary to effectively learn lifetime sports activities and exercises. Classes (MS/HS) will stress the importance of student participation and sportsmanship while learning and performing various skills in activities such as: volleyball, flag football, softball, table-tennis, basketball, disc golf, badminton/pickleball, fitness routines, weightlifting, and cooperative games/activities. Physical Education is an essential element of the total education program and should be a positive and motivating experience, which will help develop a lifestyle of physical activity.

*PE courses continued on next page*

**PERFORMANCE PHYSICAL EDUCATION**Credit: .5/semester

Grade: 9, 10, 11, 12

Length: 2 semesters every other day

Prerequisite: None

The JCSD Performance PE curriculum will concentrate on all areas of physical/mental development. Performance PE will stress the importance of students becoming the best versions of themselves while learning and performing various skills. Strength & Conditioning is an essential element of the total education and athletic program and should be a positive and motivating experience, which will help develop a great athlete and a lifestyle of physical activity. Monday/Tues/Wed/Thurs with 3 days required. Two sessions are available: 6:30 AM and at 7:15 AM

**HEALTH (Required in 9<sup>th</sup> grade)**

Credit: .5/semester

Grade: 9, 10, 11, 12

Length: 2 semesters X .5 credits = 1

Prerequisite: None

*Course Description:* This course is designed to motivate students to maintain and improve their health, prevent disease and avoid or reduce health-related risk behaviors. It also provides students with the knowledge and skills to be healthy for a lifetime by making more rational and educated choices. Various topics will be discussed such as: Health & Wellness, Emotional Health, Drugs/Tobacco/Alcohol, Nutrition, Relationships, and Communicable/Non-Communicable Diseases.

**ADULT LIVING (Elective)**

Credit: .5/semester

Grade: 10, 11, 12

Length: 2 semesters X .5 credits = 1

Prerequisite: Health

*Course Description:* This course is designed to motivate students to continue their learning of how to improve their health, prevent disease and avoid or reduce health-related risk behaviors. It also provides students with the knowledge and skills to be healthy for a lifetime by learning about the 7 Habits of Highly Effective People and applying those habits to their personal lives.

**SCIENCE**

*SEQUENCE OF COURSES*

<i>Grade 9</i>	<i>Grade 10</i>	<i>Grades 11 &amp; 12</i>
<i>Required = Integrated Science I</i>	<i>Required = Integrated Science II</i>	<i>Elective of Choice = Physiology, Chemistry or Physics or college courses)</i>

- **Students are required to take 6 semesters (3 full years) of Science Education.**

**INTEGRATED SCIENCE I (Required)**

Credit: 2

Grade: 9, 10, 11, 12

Length: 2 semesters

Prerequisite: None

*Course Description:* Integrated Science I is a combination of Chemistry, Physics and Earth Science topics. The concepts and processes that students will be engaged in include the following:

- Matter and its Interactions
- Motion and Forces
- Gravitation

*Science courses are continued on the Next Page*

- Energy
- Magnetism and Electricity
- Waves
- Earth Systems

Throughout the course students will develop an understanding through inquiry based learning which is a way of thinking and investigating. Scientific quantitative inquiry is integrated into the body of the course to provide a foundation in problem definition and analysis. Class activities are oriented to “learn by doing” and intended to develop student’s skills by designing experiments, observing, questioning, exploring, making and testing hypotheses, making and comparing predictions, evaluating data, and communicating and defending conclusions. The class work is intended to develop problem-solving skills applicable to real world situations through lab work and group work. Students will be completing experiments, individual and group projects, quizzes, and tests along with daily homework over the length of the course.

## **INTEGRATED SCIENCE II** (Required)

Credit: 2

Grade: 10, 11, 12

Length: 2 semesters

Prerequisite: Integrated Science I

*Course Description:* Integrated Science II is a combination of Life Science and Earth Science topics. The course will consist of lab work, data collection, research projects and other related activities developed by the instructor and the students. The concepts and processes that students will be engaged in include the following:

- Earth’s Place in the Universe
- Structure and Processes
- Heredity
- Homeostasis
- Evolution
- Ecosystems
- Earth and Human Activity

"Hands-on" activities are used to encourage the students and to maintain their interest. Also, the students will be researching multiple topics through the course. Homework may consist of required reading assignments, worksheets which cover the unit, and reflection/opinion papers. Student progress will be measured on selected grades taken from the written homework and lab activities, projects, quizzes, unit tests, and the student’s participation in class review and discussions.

## **PHYSIOLOGY**

Credit: 2

Grade: 11, 12

Length: 2 semesters

Prerequisites: Integrated Science I & II

*Course Description:* Human Physiology consists of an extensive insight into the structure and function of the human body. All ten human body systems will be studied. Units that will be included throughout the year are Integumentary, muscular, skeletal, nervous, digestive, respiratory, circulatory, endocrine, and reproductive systems. The instructor will reinforce some units with additional supplemental material. The amount of lab work will vary from unit to unit. In some units, lab work will be extensive and may require research projects. Extra investigative studies may be provided for interested students. Homework will consist of required readings, daily assignments such as worksheets, studying supplemental notes, lecture material and reflective/opinion papers. Student progress will be measured on selected grades taken from the written homework and lab activities, projects, quizzes, unit tests, and the student’s participation in class review and discussions.

## **CHEMISTRY**

Credit: 2

Grade: 11, 12

Length: 2 semesters

Prerequisites: Algebra I, Algebra II, Integrated Science I

*Course Description:* Chemistry is a laboratory science course intended for the college bound student. Detailed, structured laboratory reports are fundamental in developing skills necessary to succeed at the college level. These reports are supported by extensive, rigorous, quantitative analysis of both inorganic and organic chemistry. Logical methodology and analysis are essential skills to learn and practice in this course. Emphasis is placed on problem definition, analysis necessary to prepare for the next level of education. The interaction of chemical products and the environment is a significant aspect of the appreciation for the effect of chemistry in both the present and future society. The class work material is oriented to “learn by doing” and intended to provide essential laboratory skills with equipment and hardware

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used in industry and education. Observation skills, data collection and the analysis of practical situations are intended to develop problem-solving skills applicable to a real world environment. Homework is a combination of daily assignments

from the text, worksheets, lecture material combined with small group laboratory, and project activities. Student progress is measured by frequent written quizzes, periodic examinations and selected accomplishments of work assigned to be completed both in and out of class.

**PHYSICS**

Credit: 2

Grade: 12 (11<sup>th</sup> by instructor's approval)

Length: 2 semesters

Prerequisites: Algebra I, Algebra II, Integrated Science I

Course Description: Physics is a laboratory science course intended for the college bound student. Physics is the study of objects and events in everyday life. Content areas include studies of motion, energy, heat, sound, light, electricity, magnetism, and atomic physics. Students enrolled are expected to conduct experiments, take notes, solve assigned problems, work through computer simulations, and complete application projects. Homework is a combination of daily assignments from the text, worksheets, lecture material combined with small group laboratory, and project activities. Student progress is measured by periodic examinations and selected accomplishment of work assigned to be completed both in and out of class.

**SOCIAL STUDIES**

*SEQUENCE OF COURSES*

<i>Grade 9</i>	<i>Grade 10 &amp; 11</i>	<i>Grade 12</i>
<i>Required = US History I Required = US History II</i>	<i>Required = 1 sem Psychology 1 sem of World History/Geography</i>	<i>Required = Government Required = Economics</i>

**\*Students are required to take 6 semesters (3 full years) of Social Science Education.**

**UNITED STATES HISTORY I (Required)**

Credit: 1

Grade: 9, 10, 11, 12

Length: 1 semester

Prerequisite: None

*Course Description:* This course focuses on the early history of the United States, starting with the colonies and ending with the Civil War. Specific subjects that are covered the most in depth include: European Colonization, The American Revolution, The Constitutional Convention, The Rise of Political Parties, The Age of Jackson, Westward Expansion, and rising sectional tensions related to Slavery.

**UNITED STATES HISTORY II (Required)**

Credit: 1

Grade: 9, 10, 11, 12

Length: 1 semester

Prerequisite: None

*Course Description:* This course focuses on the second half of United States history. We start with the prelude to the Civil War and study up until the Vietnam War. Specific subjects that are covered most in depth during this course include: The Slavery Issue, The Civil War and Lincoln, Reconstruction, The Age of Imperialism, World War I, The Roaring 20s, Prohibition, The Depression, FDR and The New Deal, World War 2, 1950s and 1960s Culture, The Civil Rights Movement, JFK, and the Vietnam War.

**SOCIOLOGY (Elective)**

Credit: 1

Grade: 10, 11, 12

Length: 1 semester

Prerequisite: U.S. History I & II

*Course Description:* Sociology helps us understand the social differences that initiate various social behaviors. Students will be able to better understand the world and the cultures that lie around them. While we are mostly studying different societies within the United States, we will have the opportunity to observe other cultures as well. Sociology is a great way to open up different perspectives of humans and the way that they interact with others. How will this help students in the

*Social Studies courses are continued on the Next Page*

future? It can give students some insight into other careers they might want to pursue such as political science, anthropology, gender studies, as well as psychology.

**CONSPIRACY THEORIES (Elective)**

Credit: 1

Grade: 10,11, 12

Length: 1 semester

Prerequisite: U.S. History I &amp; II

*Course Description:* In the state of Iowa, there are standards in history that surround primary and secondary sources that help students understand how to connect historical facts with theories that we study. This course is a new way to look at those different topics while still using facts and historical information to confirm or debunk a conspiracy theory. Students will have freedom in this class to research topics that they are intrigued by. We will investigate together and that will allow for teamwork opportunities and leaves more room for ideas and interactive classroom discussion. In this class, we are looking into how we can potentially understand some things that have remained unexplained. Some life skills that will be learned in this course is for students to understand how to fact check their sources before they believe everything that they see or read about. Social Media is prone to non-reliable sources and this is a skill that they can take with them after the course is completed.

**PSYCHOLOGY (Required)**

Credit: 1

Grade: 10, 11, 12

Length: 1 semester

Prerequisite: U.S. History I &amp; II

*Course Description:* This course focuses on individual behavior and why an individual thinks, feels, and reacts in various ways. Emphasis will be placed on research methods, stages in childhood and adolescence, how the brain works, altered states of consciousness, psychological testing, and psychological disorders. Class discussions as well as class experiments play a pivotal role in this course.

**WORLD HISTORY/GEOGRAPHY (Required)**

Credit: 1

Grade: 10, 11, 12

Length: 2 semesters (can take one semester at a time in any order)

Prerequisite: U.S. History I &amp; II

*Course Description:* Students will learn about both the physical and cultural features of the world. Physical geography is the early focus, with students learning about maps and other geographic representations as well as the physical world. Human-environment interactions, human population movement and patterns, and globalization will also be studied. Through the study of world cultures, students will analyze how interactions between individuals and groups have shaped political, economic, and religious systems around the world. At the end of the course, the student should have an understanding of the nations of the world, their location, economies, and major geographic features.

**AMERICAN GOVERNMENT (Required)**

Credit: 1

Grade: 12

Length: 1 semester

Prerequisite: US History I &amp; II

*Course Description:* Students will learn how our system of government impacts their everyday life in many different ways (school, work, shopping, driving, music, television, etc.). It is important for every citizen to understand how the government works in order to function within and make sense of the country we live in. We will study how the government functions on a local, state, and national level. Subjects that will be covered in depth include: The Constitution, The Legislative Branch, The Executive Branch, The Judicial Branch, The Presidency, Political Parties, Voting/Elections, and Public Policy.

**ECONOMICS (Required)**

Credit: 1

Grade: 12

Length: 1 semester

Prerequisite: US History I &amp; II

*Course Description:* Economics is the study of peoples' unlimited wants in a world with limited resources. This course begins by focusing on the study of different economic systems designed to satisfy those needs. Students will also focus on economic decision-making and the best way to make personal decisions that satisfy their needs. Throughout the course students will learn microeconomic concepts and how they affect people everyday. They will also see the big picture of macroeconomics and see how the government and world are changed by economics.

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## SERVICE CLASSES

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### TEACHER CADET (Elective)

Credit: .5 (every day) / .25 (every other day)

Grade: 9, 10, 11, 12

Length: 1 semester

Prerequisite: None

*Course Description:* Students will assist teachers with various tasks in the classroom. Students are expected to be on time, communicate well with teacher, complete tasks effectively, follow directions, have good rapport with and set a good example for other students in the classroom, and maintain confidentiality. First choice for a cadet placement will go to seniors, then juniors, and so on. This is a pass/fail course.

### TECH CADET (Elective)

Credit: .5 (every day) / .25 (every other day)

Grade: 9, 10, 11, 12

Length: 1 semester

Prerequisite: None

*Course Description:* This course is for students who have a prior knowledge in technology. The students will be required to assist the tech coordination team, other students, and teachers when problems arise. Various tech related assignments may be assigned to individuals throughout the semester. It is required that the cadets check their email often. This is a pass/fail course.

### TUTOR CADET (Elective)

Credit: .5 (every day) / .25 (every other day)

Grade: 9, 10, 11, 12

Length: 1 semester

Prerequisite: None

*Course Description:* Students will assist other students during 9<sup>th</sup> period/After School Program. They will be assigned to student(s). Tutor Cadets will assist student(s) with various tasks to enhance their learning. This is a pass/fail course.

### COMMUNITY SERVICE (Elective)

Credit: None, you will earn community service hours

Grade: 10, 11, 12

Length: 1 semester

Prerequisite: None

\*\*\*see Mr. Angel for details

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## OTHER AVAILABLE COURSE OPTIONS

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### Computer Science Principles (Electives)

Credit: 2

Grade: 9, 10, 11, 12

Length: 2 semesters

Prerequisite: None

*Course Description:* Code.org's Computer Science Principles (CSP) curriculum is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.

The following course options are available to students per guidance and administration approval.

- Lunch Assistant (not for credit, but for pay)
- Edgenuity (E20)online courses
- WSR classes.
- Waterloo Career Center Classes
- College courses-online, ICN, on campus at UNI, HCC, Wartburg, etc. (revised Nov., 2022)