

# **JAMESTOWN HIGH SCHOOL**



## **COURSE OFFERINGS**

2021 – 2022

# Jamestown High School



## Mission Statement

*"Engaging students with challenging and innovative experiences to prepare them for future success."*

Prepared by  
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John Conway, Assistant Principal  
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# *Jamestown High School*

1509 10 Street NE  
Jamestown ND 58401  
(701) 952-4003

**ADAM GEHLHAR**  
PRINCIPAL  
952-4004

**JOHN CONWAY**  
ASS'T PRINCIPAL  
952-4002

Dear Students and Parents/Guardians,

The community of Jamestown, State of North Dakota, and the United States of America, through funding from all sources invites you to select your courses for the upcoming school year at Jamestown High School (JHS). We have a dedicated staff that has, and will, continue to develop courses and programs aligned with preparing all our students for their futures.

Our goal for all of our students at JHS is to graduate “choice ready” for employment or post – secondary school. No matter what your choice is after high school, you will need vital 21<sup>st</sup> Century skills, namely Critical Thinking, Creativity, Collaboration, and Communication commonly referred to as “the 4 C’s.” Being choice ready in the 21<sup>st</sup> Century goes beyond just knowing, and moves to having the skill and the will to do something with what you know.

Having high levels of knowledge means little if you cannot apply it to our increasingly complex world. No matter where your educational or career path takes you, being choice ready means: having high levels of literacy; being able to problem solve with mathematics; being civically engaged, responsible, and discerning; having knowledge about scientific processes, trends, and challenges; learning how you learn best; having social skills, and character; being inspired and finding your passion; and effectively communicating your ideas. These competencies are embedded in our curricula, basic graduation requirements, and overall school experience. To truly be “choice ready” our students and families should work together to develop plans of study that are challenging, and align with discovering their passions.

Decisions around your yearly plan or four year plan can be influenced by a myriad of items to consider in the present and the future. The State of ND offers an Academic or Career Technology Education (CTE) Scholarship that align with preparedness and resources for further education and we have course offerings that align with these outcomes. Some of our course offerings may have changed or may change based on enrollment, resources, and alignment with preparing our students for the 21<sup>st</sup> century.

Consider all of the hands on learning opportunities at the James Valley Career/Technology Center. These courses complement our “choice ready” philosophy as skills and knowledge are applied to real world opportunities. Ensuring your decisions align with these factors and your ambitions can best be supported by a team.

Please take time to familiarize yourself with this program of studies and feel free to contact JHS staff with questions about courses. Our counseling staff (Mrs. Mack at 952-4011, Mrs. Skunberg at 952-4012 and Mr. Soulis at 952-4157) will be happy to answer any questions that arise. Together, we will ensure all our students are ready for their future.

Sincerely,

Adam M. Gehlhar

## **NOTIFICATION OF NON-DISCRIMINATION POLICY**

**YOU ARE HEREBY NOTIFIED** Jamestown Public Schools does not discriminate on a the basis of race, color, national origin, sex, or handicap in the educational programs or activities which it operates, and that it is required not to discriminate in such a manner. This requirement not to discriminate extends to educational programs and activities, as well as to employment therein.

**YOU ARE FURTHER NOTIFIED** that inquiries concerning the application of this Policy may be referred to the Assistant Superintendent, who has been designated as the person responsible for coordinating the efforts of Jamestown Public Schools to comply with and carry out these responsibilities, including any investigation of complaints alleging noncompliance. The office address and telephone number of our coordinator are as follows: 207 2<sup>nd</sup> Avenue SE, Jamestown, ND 58401, telephone number 252-1950.

## **EDUCATIONAL PHILOSOPHY**

The philosophy of the Jamestown High School is to provide an educational experience designed to continue the intellectual, physical, emotional, and social development of each student to become a responsible and productive citizen in society.

The Jamestown High School will provide the opportunities for students to grow and discover themselves, to clarify values and establish loyalties, to think and inquire intelligently and systematically, and to question rationally.

The objectives of the Jamestown High School are:

- To provide an academic curriculum which is varied, challenging, and adaptable to the needs of all students.

- To provide opportunities for students wishing to develop their skills and talents in co-curricular activities.

- To provide caring and competent staff, support staff, and administrators who are willing and able to help students with their academic and personal development.

- To provide an educational and social environment that encourages students to be responsible and accountable for their actions.

## **ACCREDITATION**

Jamestown High School is fully accredited by the North Central Association of Colleges and Secondary Schools. The North Central Association is the largest educational accrediting agency in the United States. Its membership consists of selected colleges and secondary schools in a nineteen state region.

## GENERAL INFORMATION

### CREDIT REQUIREMENTS

A total of twenty-two (22) credits are required for graduation from Jamestown High School. The following are required:

<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
Language Arts	4	Personal Finance	0.5
Social Studies	4	Computer Course	0.5
Mathematics	3	Physical Education	1
Science	3	Health	0.5
Electives	2.5		
Fine Arts, Foreign Language, or Career Technology			3
<b>Total</b>			<b>22</b>

### MAKING THE GRADE

Grades earned during a student's freshman, sophomore, and junior years determine senior class rank and grade point average. Colleges and other post-secondary schools frequently award scholarships based in part upon class rank and GPA.

During a student's high school years, he/she will be requesting recommendations from teachers, principals, and counselors. Students may be rated on such factors as attendance, motivation, attitude, honesty, appearance, participation, health, conduct, and insight. A student's awareness of these factors may help him/her compile the school record he/she desires.

### CLASS STATUS

Class status is determined by number of credits earned.

<b>In order to be a:</b>	<b>Number of credits needed:</b>
Sophomore	5.5
Junior	11
Senior	16

## **DUAL CREDIT**

Juniors and seniors at Jamestown High School can enroll in post-secondary academic and technical courses from regionally and nationally accredited colleges and receive both high school and college credit.

Students and parents or legal guardians are responsible for the costs related to receiving post-secondary credit. A student enrolled in an approved class will receive both high school and college credit. The counselors have information on courses available at Jamestown College, NDSCS at Wahpeton, and Lake Region State College at Devils Lake.

Students must register for and have the dual credit class approved before the class begins. Juniors or seniors considering dual credit must have a 3.2 or higher cumulative GPA. The process for registering for dual credit is: (1) Secure the dual credit enrollment form from the principal; (2) Have the college complete and sign their section; and (3) Return the enrollment form to the principal for final approval by the superintendent. Financial Aid is available for students who qualify for free or reduced lunch and meet the criteria for dual credit classes.

## **RETAKE A COURSE**

Student's cumulative GPA is calculated based upon the grade point average of all courses taken. If a student wants to retake a course to attempt to earn a higher grade, they can apply through their counselor. When they do the highest grade received will be counted towards the student's GPA. All courses taken will remain on the student's transcript. On their Retake a Course form, students can choose to have the previous course recorded as an elective credit or as an Audit (Au). The **Retake a Course** form can be obtained from the counseling department.

## **TAKING THE ACT**

Taking the ACT assessment is a first step in planning one's future after high school. The ACT consists of four academic tests and a writing assessment that measures educational development. It also has a detailed questionnaire that collects information relevant to educational and career planning. The ACT is recommended or required by many post-secondary institutions and scholarship programs. The ACT will be administered to Juniors at no cost in the spring on a date determined by the Department of Public Instruction.

## **TAKING THE SAT**

The SAT is a three-hour, multiple choice test that measures the verbal and mathematical abilities students have developed both in and out of school. The SAT is required for certain scholarships and is preferred over the ACT by certain colleges for meeting admissions requirements. Students are encouraged to take the SAT assessment during the second semester of their junior year or early in their senior year. Students should check college catalogs and review scholarship requirements to determine which of the two tests, the ACT, or the SAT, to take.

## **TAKING ACHIEVEMENT TESTS**

Some colleges also require achievement tests developed by the College Board. The achievement tests are one-hour, multiple-choice tests in specific subjects. Achievement tests measure your knowledge of particular subjects and your ability to apply that knowledge. Some colleges require one or more achievement tests for admissions or placement purposes. Again, students should check the requirements of the college before deciding which tests to take.

## **ND Academic Scholarship Eligibility Requirements (NDCC 15.1-21-02.5)**

- North Dakota resident student
- Graduate from a high school in North Dakota, or from a public high school in a bordering state according to provisions set forth in ND Century Code 15.1-29, or from a nonpublic high school in a bordering state while residing with a custodial parent in this state (NDCC 15.1-21-02.6) or completes a program of home education supervised in accordance with ND Century Code 15.1-23
- Complete the following course requirements:
  - 4 units of English language arts from a sequence that includes literature, composition, and speech
  - 3 units of mathematics, including 1 unit of algebra II, 1 unit of mathematics for which algebra II is a prerequisite, and 1 unit of any other math which may include computer science
  - 3 units of science, consisting of 1 unit of biology AND 1 unit of chemistry and 1 unit of physics, OR 1 unit of physical science and 1 unit or two ½ units of any other science
  - 3 units of social studies, including 1 unit of US history, 1 unit of problems of democracy OR ½ unit of US government AND ½ unit of economics, and 1 unit or two ½ units of any other social studies
  - 1 unit of physical education OR ½ unit of physical education and ½ unit of health
  - 2 units of the same foreign language; the same Native American language; American Sign Language; 2 units of a coordinated plan of study recommended by the Department of Career and Technical Education and approved by the superintendent of public instruction; or 3 units from an Educational Pathway consisting of 1 unit of Teaching Profession, 1 unit of Educational Methodology, and 1 unit to be selected from the following: DC Psychology, AP Psychology, Child Development, Peer-to-Peer Leadership, or Child-Related Careers
  - 1 unit selected from foreign languages; Native American languages; American Sign Language; fine arts; or career and technical education
  - Any 5 additional units
- Fulfill any 1 unit requirement set forth above by means of an advanced placement course and examination, OR ½ unit requirement set forth above by means of a dual credit course, OR 1 unit requirement set forth above by means of an early entrance college course from a college which has a physical presence in North Dakota
- Obtain a grade of at least a “C” in each unit or ½ unit in all courses enrolled and obtain a cumulative

- grade point average of at least 3.0 on a 4.0 grading scale (non-weighted grading scale) for all courses enrolled; OR
- Obtain a grade of at least a “C” in each unit or ½ unit and obtain a cumulative grade point average of at least 3.0 on a 4.0 grading scale (non-weighted grading scale) based ONLY on the 22-units defined in sections above
- Receive a composite score of at least 24 on an ACT

### **ND Career and Technical Education Scholarship Eligibility Requirements (NDCC 15.1-21-02.4)**

- North Dakota resident student
- Graduate from a high school in North Dakota, or from a public high school in a bordering state according to provisions set forth in ND Century Code 15.1-29, or from a nonpublic high school in a bordering state while residing with a custodial parent in this state (NDCC 15.1-21-02.6) or completes a program of home education supervised in accordance with ND Century Code 15.1-23
- Complete the following course requirements:
  - 4 units of English language arts from a sequence that includes literature, composition, and speech
  - 3 units of mathematics, including 1 unit of algebra II and 2 units of any other mathematics, which may include one unit of computer science
  - 3 units of science, consisting of 1 unit of biology AND 1 unit of chemistry and 1 unit of physics, OR 1 unit of physical science and 1 unit or two ½ units of any other science
  - 3 units of social studies, including 1 unit of US history, 1 unit of problems of democracy OR ½ unit of US government AND ½ unit of economics, and 1 unit or two ½ units of any other social studies
  - 1 unit of physical education OR ½ unit of physical education and ½ unit of health
  - 1 unit selected from foreign languages; Native American languages; American Sign Language; fine arts; or career and technical education
  - 2 units of a coordinated plan of study recommended by the Department of Career and Technical Education and approved by the superintendent of public instruction; or 3 units from an Educational Pathway consisting of 1 unit of Teaching Profession, 1 unit of Educational Methodology, and 1 unit to be selected from the following: DC Psychology, AP Psychology, Child Development, Peer-to-Peer Leadership, or Child-Related Careers
  - Any 5 additional units, 2 of which must be in the area of career and technical education
- Obtain a grade of at least a “C” in each unit or ½ unit in all courses enrolled and obtain a cumulative grade point average of at least 3.0 on a 4.0 grading scale (non-weighted grading scale) for all courses enrolled; OR obtain a grade of at least a “C” in each unit or ½ unit and obtain a cumulative grade point average of at least 3.0 on a 4.0 grading scale (non-weighted grading scale) based ONLY on the 22-units defined in section above
- Receive a composite score of at least 24 on an ACT or a score of at least “5” on each of 3 WorkKeys assessments to include Workplace Documents, Graphic Literacy, and Applied Math

Note: Students who are eligible for the ND Career and Technical Education Scholarship due to level scores earned on the WorkKeys assessments must send a copy of their WorkKeys Skill Report to the ND Department of Public Instruction.

For questions regarding the requirements of the North Dakota Academic or Career and Technical Education Scholarship, contact (701) 328-2244.

## Available Plans of Study for JHS

One plan of study (2 credits) is the first part of the requirement to qualify for the \$6,000 ND Career and Tech Scholarship

Note: you must have two credits in one of the boxes below to qualify for plan of study

Health Careers Block (2 credits)
Child Care Block (2 credits)
Auto Tech Block (2 credits)
Auto Collision Block (2 credits)
Construction Tech Block (2 credits)
Machine Tooling r Block (2 credits)

<b>Business &amp; Office Technology</b>				
<b>Administrative Support</b>	<b>General Management</b>		<b>Accounting</b>	
Word Processing – ½ cr Multimedia 1 - ½ cr Multimedia 2 - ½ cr Accounting 1 - ½ cr Accounting 2 - ½ cr Personal Finance - ½ cr Principles of Marketing -½ cr Intro to Sports Marketing ½ cr	Accounting 1 - ½ cr Accounting 2 - ½ cr Computer Applications -½ cr Personal Finance -½ cr Principles of Marketing– ½ cr Intro to Sports Marketing – ½ cr		Accounting 1 - ½ cr Accounting 2 - ½ cr Accounting 3 - ½ cr Accounting 4 - ½ cr Computer Applications - ½ cr Personal Finance - ½ cr Principles of Marketing – ½ cr Intro to Sports Marketing – ½ cr	
<b>Health Careers</b>	<b>Family and Consumer Science</b>			
<b>Therapeutic</b>	<b>Family/Community</b>	<b>Early Childhood</b>	<b>Restaur/Food</b>	<b>Visual Arts</b>
Intro Health Careers – 1 Health Careers – 1- 2 Intro to Sports Med – ½ Med Term – ½ Nurse Assistant – ½ Coop Health – ½ to 2	Ind Living – ½ Child Dev – ½ Nutrition 1 – ½ Nutrition 2 – ½ Family Living – ½ Nutrition & Fit – ½	Ind Living – ½ Child Dev – ½ Family Living – ½ Coop Child-½-2	Ind Living – ½ Nutrition 1 – ½ Nutrition 2 – ½ Nutrition & Fit – ½	Ind Living – ½ cr Clothing 1 – ½ cr Clothing 2 – ½ cr Coop Child – ½ -2
<b>Agriculture Education</b>				
<b>Natural Resources Environmental Services Plant Systems</b>	<b>Power, Structure, Technical Systems</b>		<b>Animal Systems</b>	
Intro to Ag – ½ credit Horticulture – ½ credit Coop Work Experience – 1 credit	Intro to Ag – ½ credit Agriscience 1 – 1 credit Agriscience 2 – 1 credit Small Engines – ½ credit Coop Work Experience – 1 credit		Intro to Ag – ½ credit Small Animal Care – ½ credit Intro Vet Science – ½ credit Coop Ag – ½ or 1 credit	

<b>Marketing Education</b>	
<b>Professional Sales/Merchandising/Marketing Communication</b>	<b>Marketing Management</b>
Principles of Marketing ½ to 1 Marketing 1 – 1 Sports & Entertainment Marketing ½ School Store – ½ to 1	Principles of Marketing – 1 Personal Finance – ½ School Store – ½ to 1

**Note:** The second part - In addition to having a plan of study from above – you will need two additional CTE credits from any Career and Tech class. See below to pick your two additional credits.

**Business/Information Technology at JHS**

- Word Processing – ½
- Computer Applications – ½
- Programming – ½
- Accounting 1 – ½
- Accounting 2 – ½
- Accounting 3 – ½
- Accounting 4 – ½
- Personal Finance – ½
- Multimedia 1 – ½
- Multimedia 2 – ½
- Principles of Marketing – ½
- Intro to Sports Marketing – ½
- AP Computer Science – ½
- Marketing – 1
- School Store – ½ to 1
- Intro to Cybersecurity – 1

**Family and Consumer Science at JHS**

- Clothing 1 – ½
- Clothing 2 – ½
- Nutrition 1 – ½
- Nutrition 2 – ½
- Independent Living – ½
- Family Living – ½
- Nutrition and Fitness – ½

**Career and Tech Center – at CTC**

- Agriscience 1 – 1
- Agriscience 2 – 1
- Small Animal Care – ½
- Intro to Vet – ½
- Intro to Food – ½
- Intro to Ag – ½
- Cooperative Ag Work Experience – ½ to 1
- Horticulture – ½
- Auto Collision Tech 1 Block – 2
- Auto Collision Tech 2 Block – 2
- Automotive maintenance Light repair 1 Block – 2
- Automotive maintenance Light repair 2 Block – 2
- Foundations of Auto Repair – ½
- Construction – 1
- Construction Tech 2 Block- 2
- Construction Tech 3 Block – 2
- Child Development – ½
- Care and Development Young Child Block – 2
- Cooperative Child Care Experience – ½ to 1
- Intro to Health – 1
- Health Sciences Block – 2
- Cooperative Healthcare Experience – ½ to 1
- Medical Terminology – ½
- Intro to Sports – ½
- Precision Machining 1 Block – 2
- Precision Machining 2 Block -2
- Nurse Assistant – ½

## SUGGESTED CURRICULUM FOR CAREER PLANNING

### **North Dakota Four-Year College Requirements:**

Do you plan to attend a four-year university? The following six public universities in the North Dakota University System are:

Dickinson State University  
University of North Dakota

North Dakota State University  
Minot State University

Mayville State University  
Valley City State University

#### **ND University System Admission requirements are:**

4 units of *English*: including the development of written and oral communication skills

3 units of *Mathematics*: algebra 1 and above

3 units of *Laboratory Science*: including at least 1 unit each in 2 or more of the following: biology, chemistry, physics or physical science, environmental science

3 units of *Social Studies*: excluding consumer education, cooperative marketing, orientation to social science, and marriage/family

If you plan to attend a four year university, the North Dakota University System recommends that you take at least two foreign language courses. Additional courses may be required before you can be admitted to some college programs. Your school counselor can tell you more about specific requirements for the programs that interest you.

If you don't take the course required to attend a four-year university, you may attend a two-year college. After successfully completing 24 college credits, you may be eligible to transfer to a four-year university.

### **My High School Course Plan to Reach My Occupational Goal**

Please note graduation credit changes for future classes. (The requirements are listed below under "JHS".) For those students planning to enroll in a four year state college or university, additional courses are listed below under "UNIV.")

### **Program Registration/Schedule Changes**

Students make out their programs of study in February and March. The counselors and Principal approve their requests for classes. Students do not select their teachers. Courses may not be dropped without written consent of a parent or guardian. The only acceptable reasons for schedule changes are:

- 1) computer error
- 2) did not pass the required or prerequisite courses and
- 3) schedule is not complete.

## Course Plan to Reach My Occupational Goal

Required	Jamestown High School	UNIVERSITY
English	4	4
Mathematics	3	3
Science	3	3
Social Studies	4	3
Health/Physical Education	1.5	
Computer Course	.5	
Foreign Language, Fine Arts, or Career Technology	3	
Personal Finance	.5	
Electives (Minimum)	2.5	
<b>Total</b>	<b>22</b>	

## 4 Year Course Planning Sheet

Required Credits	9th Grade	Cr	10 <sup>th</sup> Grade	Cr	11 <sup>th</sup> Grade	Cr	12 <sup>th</sup> Grade	Cr
English – 4								
Mathematics – 3								
Science – 3								
Social Studies - 4								
Health Physical Education - 1.5								
Computer Course - .5								
Foreign Language, Fine Arts, or Career Tech – 3								
Personal Finance - .5								
Electives								
<b>Total Required to Graduate</b>								<b>22</b>

# ART

## **ART 1-----Elective 9–12----- 1/2 credit**

This course is an introduction to the basic principles of art. The areas to be covered are: elements and principles of design, drawing, shading, perspective, print-making, painting, digital art, sculpture and pottery. This course is designed for the beginning art student.

## **ART 2-----Elective 9–12----- 1/2 credit**

### **Prerequisite: Art 1**

This course deals with art principles on a more technical level. The areas to be covered are: color theory, painting, design, composition, value, figure drawing, sculpture, and pottery. This course may also provide a discussion and exploration of career opportunities in the art world. Although this course focuses on creation, it may also include the study of major artists, art movements, and styles.

## **ART 3-----Elective 10–12----- 1/2 credit**

### **Prerequisite: Art 1 & 2**

This course is designed for the advanced art student and it provides the student with the knowledge and opportunity to explore an art form and to create individual works of art. This class will involve projects in the areas of: drawing, painting, pottery, sculpture, and print-making.

## **ART 4-----Elective 10–12----- 1/2 credit**

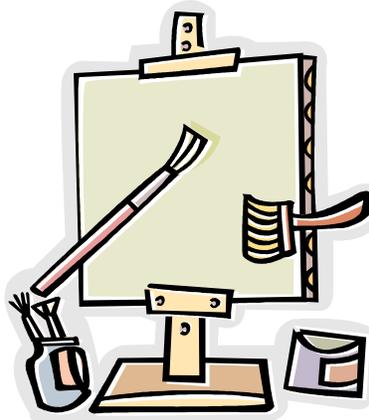
### **Prerequisite: Art 3 (with permission of instructor)**

This course is designed for the advanced art student. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. This class will involve projects in the area of: drawing, painting, sculpture, glass etching, collage, ink, and watercolor.

## **AP STUDIO ART-----Elective 11–12 ----- 1/2 credit**

### **Prerequisite: Art 4 (with permission of instructor)**

AP Studio Art is for highly motivated students who are seriously interested in the study of art; the program demands significant commitment. It is highly recommended that studio art students have previous training in art. As in any introductory college course, students will need to work outside the classroom, as well as in it, and beyond scheduled periods. Students will develop technical skills and familiarize themselves with the functions of visual elements as they create an individual portfolio of work for evaluation at the end of the course. The emphasis of this class is on critical analysis and innovative art-making processes and products. This is a dual credit class.



# BUSINESS/INFORMATION TECHNOLOGY

## **Why take Business Education or information technology classes?**

Business Education courses add new dimensions to learning hands-on in addition to eyes-on. Many students learn better that way. A business course relates academic subjects to the real world and shows how reading and math can be applied in "real world" situations. Self-confidence, self-awareness, good work habits, problem solving, critical thinking, punctuality, reliability, teamwork, and leadership are learned in Business Education classes. Students will explore career interests and learn applications that will be used for a lifetime. Students must take ½ credit in a computer literacy course. Courses that meet this requirement are denoted in the list. \*Some information provided by [www.nbea.org](http://www.nbea.org)

## **WORD PROCESSING----- Meets 9–12 Requirement ----- 1/2 credit**

**Prerequisite: None.**

Are you ready to create professional looking documents for your teachers? You will begin with a foundation of the basics skills needed to prepare an assortment of business documents using Microsoft Word. We will also explore other application software such as PowerPoint. You will select and apply software to common tasks. **This course is for those that missed it in Middle School.**

## **COMPUTER APPLICATIONS--Meets 9–12 Requirement----- 1/2 credit**

**Prerequisite: None, Recommended MS or HS Word Processing**

This is a practical course that trains students to use a wide range of computer applications programs. Students will practice using Word, Excel and Publisher. The course will familiarize students with computers and their applications. Students will apply skills that will be used throughout high school, college, and future careers.

## **PROGRAMMING\*-----Meets 9–12 Requirement---Elective 10–12 -----1/2 credit**

**Prerequisite: Word Processing, Computer Applications**

Programming is a semester course designed to provide the student with basic programming concepts that can be transferred to other programming languages. Foundational concepts and fundamentals of computer programming are explored and students are provided with opportunities to increase their communication, teamwork, and critical thinking skills. Languages used will include HTML, JavaScript, and Visual Basic. This is an upper-level class.

## **ACCOUNTING 1 and 2-----Elective 9–12 ----- 1 credit**

**Prerequisite: None, Algebra recommended**

A study of topics in financial accounting including: the accounting cycle forms of business organizations, assets, liabilities, owner's equity, and financial statement preparation and analysis. Students will work with an online automated accounting system and complete a business simulation. This is a vital course for any student who desires to gain a better understanding of how businesses function and maintain accurate records of their operations.

## **ACCOUNTING 3 and 4 -----Elective 10–12----- 1 credit**

**Prerequisite: Accounting 1 & 2**

This course is designed to meet the needs of students interested in entry-level jobs in accounting and/ or business or who are interested in furthering their study in a post-secondary school. Students will perform daily activities and end-of-fiscal period work for a departmental merchandising business organized as a corporation. An automated simulation on a corporation and a manufacturing cost for a business simulation will also be included.

## **PERSONAL FINANCE -----Required 11–12----- 1/2 credit**

**Prerequisite: None**

Get ready for the "Real World"! This class will provide you with a strong foundation of personal finance skills to help you become effective citizens. You will learn the responsibilities and realities of acquiring, handling, and spending money and the legal responsibilities that go along with each of these. We will sharpen your ability to manage your own finances and make you aware of some of the inducements and temptations you will face as you choose how to manage your money. Units covered are Financial planning, Budget, Credit, Banking, Investment, Insurance, Careers and living on your own.

**MULTIMEDIA----- Meets 9–12 Requirement-----1/2 credit**

**Prerequisite: None - Computer Applications, or Word Processing recommended**

Students will utilize multimedia software to create images, logos, backgrounds, and navigation tools for digital display in multimedia and internet applications. Students will learn the basics of digital and audio/video editing, how to create digital animations and create basic multimedia applications.

**MULTIMEDIA 2-----Meets 9 – 12 Elective -----1/2 credit**

**Prerequisite: Multimedia**

Students will utilize multimedia skills to enhance school and community communications. Students apply digital and audio/video editing to school wide projects and utilize more sophisticated tools in graphics design and production. Students must be able to demonstrate a professional attitude and ability to work independently and in groups.

**INTRODUCTION TO CYBERSECURITY-----Elective 10-12-----1/2 credit**

**Prerequisite: ½ credit in any technology course**

Introduction to Cybersecurity covers trends in cybersecurity and career opportunities. Course modules will define cybersecurity, explain why it's important, and introduce products and processes used to secure data. Students will also explore why cybersecurity is critical in business and medical industries, how hackers use unsuspecting individuals to propagate malware, and why cybersecurity is a growing profession.

**AP COMPUTER SCIENCE PRINCIPLES----- Grades 10-12-----1 credit**

**Prerequisite: Algebra I, Computer Applications, Word Processing, Multimedia or Programming**

In fall 2016, the College Board launched its newest AP® course, AP Computer Science Principles. The course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This course focuses on computational thinking that is vital for success in all disciplines. Students use computational tools to prepare for the future workforce. They also work with large data sets to identify, analyze, and draw conclusions from trends. The course focuses on student creativity and collaboration to develop skills in oral and written communication and problem solving. Students will use software and technology to explore questions that interest them while learning computer science.

**PRINCIPLES of MARKETING/BUSINESS FUNDAMENTALS-----Elective 9-12----1/2 credit**

**Prerequisite: None Offered 1st semester**

Students in Business Fundamentals/Principles of Marketing will be introduced to the world of business and prepare for the economic roles of consumer, worker and citizen. The content may include a study of the business environment and strategies for creating, financing, marketing and managing a business. Students will understand the role, functions, and institution of marketing in the economy and society, marketing career opportunities and requirements, career planning and necessary personal characteristics for competencies for success. Students will explore digital and social media marketing concepts. This course will serve as a back ground for other business or marketing courses you may take in high school and college.

**PRINCIPLES OF SPORTS and ENTERTAINMENT MARKETING----Elective 9-12--1/2 credit**

**Prerequisite: Principles of Marketing/Business Fundamentals Offered 2nd semester**

Students will develop skill in determining the economic impact of sports/events, price setting, research, marketing, positioning, product/service management, and promotion and sales strategies. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

**MARKETING 1-----Elective10-12-----1 credit**

**Prerequisite: Principles of Marketing and/or Sports and Entertainment Marketing**

Marketing I further student understanding and skills in various marketing functions including advertising, pricing, promotion, human relations, communications, retailing, market research, technical sales, and leadership skills. This course will emphasize business management and entrepreneurship and all students will complete a start-up business plan. DECA and School Store activities are an integral part of this course.

## **SCHOOL STORE/SCHOOL BASED ENTERPRISE-----Elective 10-12-----1/2 credit**

**Prerequisite:** Must have been enrolled or are currently enrolled in Marketing I

This course will provide students with hands-on experience in the school store. The school based enterprise is a retail operation with marketing activities integrated into the learning experience. Students will learn various aspects of marketing including product selection, pricing, promotion, placement of product, and customer service skills. Modern business equipment will give students real-world retail experience.



## **FAMILY AND CONSUMER SCIENCE**

### **CLOTHING/TEXTILES 1-----Elective 9-12-----1/2 credit**

Students in Clothing and Textiles Class will explore such topics as clothing and society, the fashion world, careers in fashion and the textiles industry, color and design, fibers and fabrics, clothing selection – within a budget, care and repair of clothing and textiles in home decor, sewing techniques – both machine and hand stitching and needlework crafts. The students will complete 2 major projects, one of which is constructing a quilt using the various techniques learned in class. The skills learned in this class will be used throughout life when planning, selecting and caring for clothing and other textile items in the home. There will be a cost involved for the project the students complete and take home.

### **CLOTHING/TEXTILES 2 (Offered when numbers justify)-----Elective 10-12-----1/2 credit**

This course is a continuation of Clothing/Textiles 1. It provides students with knowledge and skills to identify and incorporate design details in textile items for the home or in garments. Students will assess and use commercially produced patterns, and design patterns for use in quilt making. This is a project-oriented class that incorporates all curriculum areas. Sewing lab experiences may include design and construction of one or more projects related to the concepts taught. Students will create a quilt of their own design or approved pattern. There will be a cost involved for materials for the projects the students make and take home.

### **NUTRITION & FOOD PREP 1-----Elective 9-10-----1/2 credit**

This course is designed to introduce students to the world of Foods and Nutrition and to begin to develop a love of cooking. It will increase their knowledge and skills when working with food. It allows students to discover how the food they eat affects their health. They will investigate and analyze healthy diets and various eating disorders. Students will learn how to plan nutritious and appealing meals. They will prepare foods from each of the food groups as well as teen favorites, including salads, soups, breads, cakes, cookies, appetizers, meats and dairy products. They will also have an opportunity to sample various foods prepared for them as demonstrations by the instructor. They will learn of the importance of safety and sanitation in the kitchen and practice these skills when cooking in the kitchen labs. Students will have a chance to share a food tradition or family favorite food during the two family tradition feast days.

**NUTRITION & FOOD PREP 2----- Elective 11-12-----1/2 credit**

Students will have an opportunity to practice many cooking techniques as they prepare a variety of foods from the food groups and various meal courses. Tasting new foods through demonstrations and cooking labs is an important part of the class. Students will spend time investigating food cultures and cuisines of people around the world, preparing many foods from the various countries and enjoying recipes prepared by guest cooks. A highlight of the class is the ethnic taste day and project. Students will also review safety and sanitation in the kitchen as well as the nutrition information necessary for healthy food choices. The skills learned in the class can be used throughout life when planning, selecting and preparing food for themselves and their families.

**NUTRITION & FITNESS-----Elective/PE 10-12-----1/2 credit**

The purpose of this course is to acquaint students with the basic knowledge, understanding and values of nutrition and physical activity relating to a healthy lifestyle. Students will assess and work towards achieving personal fitness through exercise and nutrition. This is an interdisciplinary class taught by a FACS Teacher and PE Teacher. Labs will be conducted in the FACS department and in the physical education areas.

**INDEPENDENT LIVING-----Elective 11-12-----1/2 credit**

Independent Living class is designed to help students become better prepared to live on their own. They will begin by taking a close up view of themselves – their growth and development, personalities, attitudes and decision making skills. The second part of the class deals with skills for life, such as careers, a place to live, clothing selection, maintenance and repair, meeting food needs, and managing time and money. The students will learn basic sewing techniques and complete a sewing project, practice safety and sanitation in the kitchen when preparing food items, and complete a room design project. This is a class that will benefit everyone as they graduate high school and become independent citizens in our society.

**FAMILY LIVING-----Elective 11-12-----1/2 credit**

Family Living class is designed to help students meet the challenges of shifting lifestyles and prepare them for future roles. The class looks at past and present customs and family traditions. Through the use of videos, guest speaker presentations, and class discussions, students will look at: dating and peer pressure, decision making and communication skills, marital and family adjustments, family crisis and how to cope, parenting, aging parents, and other current topics related to family living. Students will go through the process/customs involved in becoming engaged, planning for marriage and a wedding – preparing a cost sheet illustrating the actual cost of a wedding. The class is an excellent way to strengthen one's self, to be more effective in their present families, and in turn be effective parents, should they choose to have families of their own

**FOUNDATIONS OF EDUCATION (Dual Credit)-----Elective 11-12-----1/2 credit**

This course introduces you to the principles underlying teaching and learning, the responsibilities and duties of educators, and the techniques of facilitating learning. This course exposes students to and trains them in classroom leadership, assessment of progress, teaching strategies, and various career opportunities in the field of education. The course includes observation and interaction with teachers across different grade levels across Jamestown Public Schools.

**EDUCATION WORK EXPERIENCE-----Elective11-12-----1/2 credit**

**Prerequisite Foundations of Education or Peer to Peer Education**

Education Work Experience provides students with work experience in fields related to education. Goals are typically set cooperatively by the student and educator. These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.



# FOREIGN LANGUAGE

## GERMAN

German is spoken by between 175-220 million people in the world and about 20% of Americans trace their ancestry to one of the German-speaking countries. German ancestry is reported by more than 46% of North Dakotans. Many jobs and careers require knowledge of a foreign language and many employers consider it to be a great asset. German is very useful in the business world and is especially recommended in the field of high technology, science, and music. More than 1,200 American companies have offices in the German-speaking countries. Self-motivation is necessary for a successful, enjoyable language experience.

### **GERMAN 1-----Elective 9–12-----1 credit**

First-year German introduces you to listening, reading, speaking, and writing in the German language. You will learn to use practical German to speak about yourself, your family, your interests, school, shopping, clothing, ordering food and drinks in a restaurant, and other useful topics. Cultural differences in these areas will be discussed. Additionally, you will learn to express yourself through conversations, skits, videos, audio exercises, songs, computer lab activities, and cooking labs. German Club is strongly encouraged to compliment the first-year German experience. NCAA and NAIA approved course.

### **GERMAN 2-----Elective 9–12-----1 credit**

**Prerequisite:** German 1

Second-year German reinforces and reviews beginning German language and culture before continuing to develop and enhance higher proficiency skills through a variety of activities including dialogues, skits, audio exercises, computer lab exercises, cooking labs, games, and films. You will become more aware of the contrast between your culture and the German culture. Travel, food, sports, fashion, healthy living, helping at home, and going to the doctor are some of the topics covered. German Club is strongly encouraged to compliment the second-year German experience. Summer travel opportunities are offered on a circumstantial basis. NCAA and NAIA approved course.

### **GERMAN 3-----Elective 10–12-----1 credit**

**Prerequisite:** German 1, 2

Emphasis of third-year German is on continued improved of oral and written proficiency skills. A great variety of reading materials, including current literary selections is used to accomplish these goals. Topics include relationships with friends, rights and obligations of young Germans, resistance in German history, environmental issues, plans for the future, and fairy tales. Journaling is expected and students are asked to participate in verbal exchanges in order to develop these proficiencies. German cooking labs are part of third-year German. German Club is strongly encouraged to compliment the third year of German. Summer travel opportunities are offered. NCAA and NAIA approved course.

### **GERMAN 4-----Elective 11–12-----1 credit**

**Prerequisite:** German 1, 2, 3

The goal of fourth-year German is to build confidence in the use of the language while continuing to improve proficiency. Varied topics and literary selections are used to build reading and comprehension skills. Spontaneity and ease of speech should increase. German 4 is about finding your comfort zone and pushing the boundaries of it. Journaling is expected and students are asked to participate in verbal exchanges in order to develop proficiency. German Club is strongly encouraged to compliment the fourth-year of German. Summer travel opportunities are offered. NCAA and NAIA approved course

# SPANISH

Spanish study reflects the needs of modern language learners who want to successfully live in an ever-changing world. Spanish is one of the fastest growing languages in North America and is considered by employers to be a great asset. The processes, inherent in learning a foreign language, aid in the development of thinking skills such as; reasoning, conceptualizing, analyzing and problem solving. It helps develop a better understanding of the nature of language in general and in English in particular. Exposure to foreign language study helps develop sensitivity toward other people and cultures. In an increasingly “smaller” world, that understanding is crucial.

## **SPANISH 1-----Elective 9–12 ----- 1 credit**

This course is an introduction to the language and culture of Spanish. This introduction is through listening, reading, speaking and writing. The student will use the textbook provided along with tapes, filmstrips, videos, dialogs and cultural projects. Examples of vocabulary areas of basic communication are greetings, expressions for school, home, family, weather, numbers, and shopping and traveling. Students will be exposed to the variety of customs and traditions in the 22 countries that speak Spanish. Spanish Club is open to all Spanish students. NCAA and NAIA approved course.

## **SPANISH 2-----Elective 9–12 ----- 1 credit**

**Prerequisite: Spanish 1**

Spanish 2 begins by reviewing the concepts learned in Spanish 1 and continues to assist the students in developing higher proficiency skills through expanded understanding of grammatical concepts, increased oral activities, school to work writing activities and additional listening opportunities. Students increase their cultural knowledge with country studies, which include personal relationships, types of work, appropriate behavior in social and work situations and the cultural differences. Movies, skits, music, literature and art work help the students develop further understanding of the cultural differences and similarities. Spanish Club is open to all Spanish students. Travel opportunities may be offered on a circumstantial basis. NCAA and NAIA approved course.

## **SPANISH 3-----Elective 10–12 ----- 1 credit**

**Prerequisite: Spanish 1, 2**

Spanish 3 begins with a review and re-entry of the concepts learned in Spanish 1 and 2. Through study of Spanish-speaking countries, students continue to develop an understanding of the Hispanic world and its culture. With the incorporation of reading materials such as current Spanish magazines, novels and other articles the students develop an appreciation of the Spanish contributions to the arts, agriculture, architecture and the sciences. They create Spanish art projects, foods, advertisements, and etc. to enhance the learning. Emphasis is placed on growth in oral and written proficiency skills. Spanish Club is open to all Spanish students and opportunity for travel is offered. NCAA and NAIA approved course.

## **SPANISH 4-----Elective 11–12 ----- 1 credit**

**Prerequisite: Spanish 1, 2, 3**

Spanish 4 begins with a review, re-entry, and expansion of Levels 1, 2, and 3. Emphasis is placed on more abstract vocabulary associated with intellectual activity, criticism and judgment. Students build confidence in the use of the language by reading a wide variety of material from newspapers to novels. The active vocabulary presented through a wide range of conversational topics allows the student to gain oral and written proficiency skills which allow them to communicate in the modern world. Cultural awareness is continued through music, dramatic arts, literature, and preparation of foods. Spanish Club is open to all Spanish students and travel opportunity is offered. NCAA and NAIA approved course.

# FRENCH

French is the primary language of 29 countries and the first or second language in more than 50 countries or regions of the world. It is spoken on 5 continents and considered the language of world governance, diplomacy, and culture. French is the third most spoken language in the United States. Many employers and universities find that speaking French is a great asset that opens up opportunities in the international job market. French has also been shown to help in the development of creativity and critical-thinking. Self-motivation is necessary for a successful, enjoyable language learning experience.

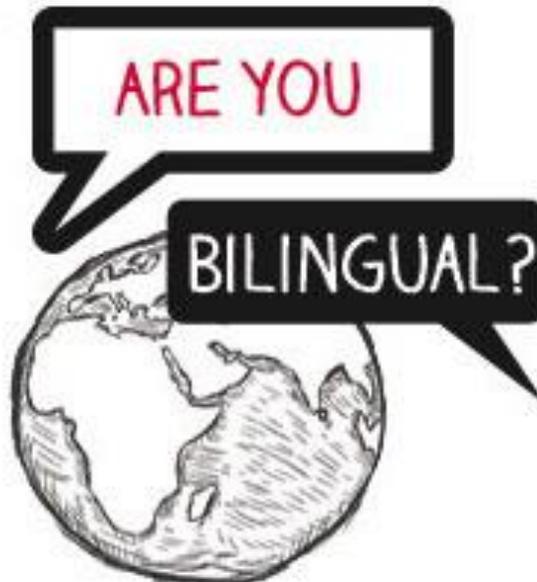
## **FRENCH 1-----Elective 9-12 ----- 1 credit**

French 1 is designed to introduce students to French language and culture, French I emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people. NCAA and NAIA approved course.

## **FRENCH 2-----Elective 10-12-----1 credit**

**Prerequisite: French 1**

French 2 reinforces and reviews beginning French language and culture before continuing to develop and enhance higher proficiency skills through a variety of activities. Level 2 French . You will become more aware of the contrast between your culture and the French culture. Movies, skits, music, literature and art help the students develop further understanding of the cultural differences and similarities. Further exploration of important grammatical concepts and additional opportunities with listening, speaking, and writing activities help students develop more comfort in the language. NCAA and NAIA approved course.



# LANGUAGE ARTS

**Please Note:** By virtue of the fact that all the following courses emphasize the mastery of communication skills, it is inherent that such courses are relevant to post-secondary study and/or the real world of work.

## **ENGLISH 1-----Required 9 ----- 1 credit**

**Prerequisite: None**

This is a year-long required course that uses world literature as a foundation for the study of language arts. The students' communication skills are improved through units of study that stress reading, writing, and speaking. Units of study include: a research paper, Romeo and Juliet, The Odyssey, The Book Thief. Students also continue developing skills with MLA documentation. NCAA and NAIA approved course.

## **ENGLISH 2-----Required 10----- 1 credit**

**Prerequisite: English 1**

English 2 is a year-long required course that uses both fiction and non-fiction as a base for the study of language arts. Students receive instruction in writing, reading, grammar, speech, vocabulary and other related areas. The research project includes instruction in the MLA method of documentation. Highlights of this course include the reading of the novel To Kill A Mockingbird, Julius Caesar, and a historical fiction unit. Various exciting projects are based on the reading and discussion of these works. NCAA and NAIA approved course.

## **ENGLISH 3-----Required 11----- 1 credit**

**Prerequisite: English 1 & 2**

In English 3, the student will complete units focusing on informational texts and literature, poetry, drama, short stories, novels, and essays from early American literature through the present. Types of composition assignments linked to the literature units include: exposition, description, narration, and argumentation. NCAA and NAIA approved course.

## **ENGLISH 4-----Elective 12 ----- 1 credit**

**Prerequisite: English 1, 2, & 3**

English 4 is a year-long elective course that uses world literature as a base to the language arts. All strands of the language arts are woven together so that the students receive instruction in writing, reading, grammar, speech, vocabulary and other related areas. The literature is arranged in thematic units of mixed-genre selections. The language workshops include assignments in the following: narration, description, persuasion, exposition, creative expression, and research reports. NCAA and NAIA approved course.

## **NOVEL-----Elective 11-12 -----1/2 credit**

**Prerequisite: English 1 and 2 with a "C" average or better**

In this course, students examine the novel as a literary form and explore its development in different historical and cultural contexts. Students read selected novels, discuss them, and learn to think and write critically about them. The course will include classic and modern novels from a variety of genres including but not limited to science fiction, historical fiction, fantasy, and coming of age novels. Through the study of various novels, students will analyze a variety of diverse points of view and demonstrate an understanding of how novels reflect the values and concerns of writers and the societies in which they live.

## **DRAMA (Offered odd years) -----Elective 11-12 -----1/2 credit**

**Prerequisite: English 1 and 2 with a "C" average or better.**

Drama students gain an understanding and appreciation of theater arts through studying theater history, stage crafts, and acting. Students will read informational texts and dramatic literature. Writing assignments include informative, narrative, and argumentative genres. The course emphasizes verbal and non-verbal communication.

**WRITING 4 (Offered even years)-----Elective 11-12 -----1/2 credit**

**Prerequisite:** English 1, & 2 with a “C” average or better.

This is a course in modern composition that helps students develop the higher order critical thinking skills of analysis, synthesis, and inference. Literature, discussion, research, and study of writing modes prepare students to write a wide variety of essays, analyses, and other forms of writing including a unit on writing an MLA research paper. This course includes a memory book project. All steps of the writing process are emphasized, and students will be expected to compose multiple drafts and use revision techniques including peer-editing. This course is intended for the college-bound student. NCAA and NAIA approved course.

**WORLD LITERATURE-----Elective 11-12-----1/2 credit**

**Prerequisite:** English 1 and 2 with a “C” average or better.

This is a course intended to provide students with a diverse and focused background in world literature. In-depth units of study are based on cultures and time periods such as “The Classical Age of Greece and Rome,” “Traditions in Chinese and Japanese Literature,” and “Modern and Contemporary Literature 1900-Present.” A rich diversity of traditional and modern literary forms is offered to develop the student’s understanding and appreciation of not only the literature of other cultures, but the cultures themselves. Thought-provoking composition topics are extensions of the units of study. In addition to readings from the textbook, an African novel unit on Chinua Achebe’s *Things Fall Apart* will be incorporated. This course has a dual credit option through NDSCS in Wahpeton. NCAA and NAIA approved course.

**SPEECH and DEBATE -----Elective 11-12 ----- 1/2 Credit**

**Prerequisite:** English 1 and 2 with a “C” average or better.

This course is designed to provide students with opportunities to improve the public speaking skills that they will need in the future. Students will analyze, prepare, and present several different speeches for a variety of purposes and contexts. By practicing verbal, nonverbal, interpersonal communication, and public speaking skills, students will work to become stronger communicators. NCAA and NAIA approved course.

**CREATIVE WRITING (Offered odd years) -----Elective 11-12 -----1/2 credit**

**Prerequisite:** English 1 and 2 with a “C” average or better.

Creative Writing provides students an opportunity to hone their writing and storytelling skills through various projects across many genres. Analysis of literary forms, elements of the writing process, use of technology, and critique methods are integrated to create unique writing experiences. NCAA and NAIA approved course.

**AP ENGLISH LANGUAGE and COMPOSITION --Elective 11----- 1 credit**

**Prerequisite:** Completion of English 2 with English teacher recommendation, consideration of STARS scores, parent approval, and student commitment statement.

This course is a rigorous, year-long course. It is designed for the motivated 11<sup>th</sup> grader who wishes to complete a college-level course while in high school. The focus of “Language and Composition” will include both critical reading (style analysis and rhetorical analysis) and writing (argumentation). The student who enrolls in this course will have the opportunity to take an Advanced Placement exam at the end of the year with the possibility of earning college credit. Payment for the exam will be each student’s responsibility (cost approximately \$92.00). NCAA and NAIA approved course.

**AP ENGLISH LITERATURE and COMPOSITION Elective 12-----1 credit**

**Prerequisite:** Completion of English 3 or AP English, with English teacher recommendation, parent approval, and student commitment statement.

This course is a rigorous, year-long course. It is designed for the motivated student who wishes to complete a college level course while in high school. The student will read a variety of literature drawn from multiple genres, periods and cultures. Students will reflect on the reading material through discussions, writing and rewriting. The student who enrolls in this course may take an Advanced Placement exam at the end of the year with the possibility of earning college credit. Payment for the exam will be each student’s responsibility (cost approximately \$92.00). NCAA and NAIA approved course.

# JHS MULTI-TIERED SYSTEM OF SUPPORT (MTSS)

We, at Jamestown Public Schools, are constantly striving for ways to support all our students in becoming academically successful. Through our Multi-Tier System of Supports (MTSS), we are able to teach each child at their level of performance and rate of progression. Students who are identified as needing additional support in their learning will be receiving instruction in a research based reading or math intervention. These interventions have been proven to show results in student achievement.

To determine whether a student qualifies for a reading or math intervention, our schools use the STAR Assessment, NDSA data, Easy CBM data, grades, and teacher perception data. The STAR Assessment is a universal screening that we use to show the progress of all students in our district. Once a student is identified, they are given a placement test within the intervention for which they qualify.

Data analysis and decision making occur at all levels of instruction and intervention within an MTSS system for English Language Arts and Math. Benchmark, Strategic, and Intensive class offerings are informed directly by student performance data. All measures used at JHS produce normative data based on national sample populations.

ALL Students Take:	SOME Students Take:	FEW Students Take:
<p><b><u>STAR Reading Enterprise</u></b></p> <ul style="list-style-type: none"> <li>- Measures 46 reading skill areas within 11 domains</li> <li>- Short computer assessment (15 to 30 minutes)</li> <li>- Valid, Reliable and Immediate results</li> <li>- Used as a primary screening tool and for differentiation</li> </ul> <p><b><u>STAR Math Enterprise</u></b></p> <ul style="list-style-type: none"> <li>- Measures Math skills within 21 domains</li> <li>- Short computer assessment (15 to 30 minutes)</li> <li>- Valid, Reliable and Immediate results</li> <li>- Used as a primary screening tool and for differentiation</li> </ul>	<p><b><u>easyCBM Reading</u></b></p> <ul style="list-style-type: none"> <li>- Measures inferential and evaluative reading comprehension</li> <li>- Multiple choice computer or paper format</li> <li>- 15 to 30 minutes (20 questions)</li> <li>- Used as a secondary screening tool</li> </ul> <p><b><u>easyCBM Math</u></b></p> <ul style="list-style-type: none"> <li>- Measures conceptual understanding of Algebra</li> <li>- Multiple choice computer or paper format</li> <li>- 10 to 20 minutes (16 questions)</li> <li>- Used as a secondary screening tool</li> </ul>	<p><b><u>Corrective Reading Placement</u></b></p> <ul style="list-style-type: none"> <li>- For students needing intensive reading intervention</li> <li>- Measures reading comprehension</li> <li>- Provides curriculum based placement</li> </ul> <p><b><u>TransMath Placement Test</u></b></p> <ul style="list-style-type: none"> <li>- For students needing intensive math intervention</li> <li>- Measures math skills under 3 levels</li> <li>- Provides curriculum based placement</li> <li>- Multiple choice computer format (1 to 3 tests)</li> </ul> <p><b><u>Connecting Math Placement Test</u></b></p> <ul style="list-style-type: none"> <li>-For students needing intensive math intervention</li> </ul>

Our Intervention program descriptions are listed as pre-approved courses in our course offerings for each content area.

# SENIOR WORK BASED LEARNING COURSES

*Work Based Learning offers students an opportunity to gain hands on experience in the 21<sup>st</sup> Century world of work. These courses are designed for JHS Seniors to enhance their educational experience and personal growth. Students may earn up to one credit in Work Based Learning Courses. Jamestown High School offers two options for Work Based Learning:*

## **Notes:**

- ***Work Based Learning Courses are available to seniors as their 6<sup>th</sup> or 7<sup>th</sup> credit***
- ***Senior Internship and Senior Innovation and Invention Project are period 7 and 8 courses with some flexibility stipulated in the Handbooks.***
- ***Students must complete Innovation and Invention or Internship Application and return it with registration form.***

## **SENIOR INTERNSHIP (out-of-school) -----Elective 12----- 1/2 or 1 credit (60 hours on site per ½ credit)**

Internships are work based opportunities where students apply the knowledge and skills they have gained at JHS at local internship sites. Internships should be targeted toward meaningful experiences that explore careers requiring additional degrees, certifications or on-the-job training following high school. Unlike typical high school employment the students participate in structured activities, feedback, and reflection that is connected to their classroom experience and employability skills. The internship offers students an extensive employment opportunity to confirm their future education and training decisions or to choose another path. Students will develop an internship portfolio, attend weekly seminars, complete reflections, and develop a learning plan and presentation of learning. Please refer to the JHS internship handbook for further guidance.

## **SENIOR CAREER INVENTION PROJECT -----Elective 12----- 1 credit**

Senior Career Invention Projects are semester long projects focused on applying the knowledge and skills you have gained at JHS to an authentic design project in a career field that interests you. Individually, or in teams of up to three, students will apply by developing design project proposals outlining the design project they intend to pursue. Students will work to find a local or regional mentor/expert for the project, develop timelines, attend weekly seminars, and complete reflections on the progress of the project and the application of their employability skills. This culminating project reflects individual or group commitment to a shared purpose and outcome. Students are challenged by mentors and teachers serving as facilitators of learning to apply the Design Process and entrepreneurial skills in real world contexts. Students focus on solving real world problems utilizing prior knowledge and skills to advance their current state while generating enthusiasm for lifelong learning. Each student is expected to develop and publish artifacts and reflections that demonstrate educational and personal growth. Please refer to the JHS Career Invention Project Handbook for further guidance.

## **COOPERATIVE WORK EXPERIENCE**

Please note if you have taken the pre-requisites for Cooperative Work Experience through the CTC please explore those options in Agriculture Experience, Child Care, and Health Careers.

## SERVICE LEARNING/EDUCATION COURSES

*Service-Learning offers students a chance to do something significant for other people in their community while enhancing their educational experience and personal growth. Students may earn up to one credit toward graduation by serving as a volunteer in the school or through a non-profit agency. Jamestown High School offers several options for service-learning:*

**Note:**

- **Students must complete Service Learning Application and return it with registration form**

### SERVICE LEARNING OPTIONS-----Elective 9-12-----1/2 credit

#### **WORK STUDY/TEACHING ASSISTANT**

A Service-learning experience during school hours is an opportunity to provide service in the school community. Students work with a teacher to provide service for 50 minutes every day during the semester.

#### **COMMUNITY (out-of-school**

An out-of-school service-learning experience is an opportunity for students to serve the community through the school or a non-profit organization. It is open to individuals or groups that are interested in carrying out a service project within the school/community. Projects will be vetted with school administration and experiences may include fundraising, designing solutions, research, planning, and community presentations. It can be project-based or a series of projects throughout the semester providing service to others. An out-of-school service experience requires a minimum of 60 service hours.

#### **MAKERSPACE AND TECHNOLOGY HELPDESK**

The Makerspace and Technology helpdesk service learning opportunity is available for up to 7 students per semester and includes monitoring and supporting activities in the school Makerspace as well as providing initial Technology support for student and staff devices.

#### **COMMUNITY GATHERING TEAM**

Community Gathering Organizer is a service learning opportunity for a team of up to 20 students. This school team focuses on the development of programs for Monday community gatherings. The purpose of community gatherings is to build school culture through teambuilding, scholarship, and career exploration. This is only a period 1 or 8 elective course and participants will gain valuable experience in event planning, connecting with community resources, leadership, and event coordination.

#### **STRATEGIC INITIATIVES TEAM**

The Strategic Initiatives Team is a period 8 elective available for grades 11-12. This student led team works with community partners and site administrators to identify and develop new programs and relationships that strengthen the school and community. The experience develops and refines leadership through experience in solving complex problems and navigating the change process.

#### **PEER TUTORING**

Peer tutoring provides an opportunity for students to develop and hone their academic skills while supporting others. Peer tutoring can take place during any period of the day or before/after school as scheduled in the restricted study hall or library.

**TEACHER AIDE has changed to EDUCATION WORK EXPERIENCE please see the FACS section of this book.**

## OTHER EDUCATION COURSE OPTIONS

### **LIBRARY AIDE -----Elective 10–12 ----- 1/2 credit**

Students will gain experience as librarians by finding material for students during research classes, by assisting in simple duties with book processing and by working at the circulation desk giving service to students and teachers. Other duties include learning library and computer skills and assisting in routine tasks. Students assigned to Library Aide must be approved by the senior high principal or assistant principal and librarian.

### **PEER TO PEER-----Elective 10-12-----1/2 credit**

This course teaches students about persons with disabilities and exceptionalities. The goal of peer to peer is to ensure inclusion in school classrooms and school extracurricular activities for all students. The training and education provides exposure to career opportunities in the field of education of students with disabilities exceptionalities and prepares students for supporting students as peer tutors/mentors.

# PREAPPROVED COURSES

## **ENGLISH INTERVENTION-----Preapproved 9-----1 credit**

English Intervention focuses on improving students' reading and writing skills using the Read 180 program. This class is completely individualized to students' needs.

## **DEVELOPMENTAL READING AND WRITING-----Preapproved 9-----1 credit**

Developmental Reading/Writing offers students the opportunity to focus on their reading and writing skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension and writing skills up to the desired level or to develop strategies to read and write more efficiently.

## **DEVELOPMENTAL READING AND WRITING-----Preapproved 10-----1 credit**

Developmental reading/Writing offers students the opportunity to focus on their reading and writing skills. Assistance is targeted to key priority standards in relation to students' particular weaknesses and is designed to bring students' reading comprehension and writing skills up to the desired level or to develop strategies to read and write more efficiently.

## **APPLIED COMMUNICATIONS-----Preapproved 11-----1 credit**

Applied Communications provides students the opportunity to develop and refine communication skills through competency based individual and group learning in job-related communication skills: reading, writing, listening, speaking, problem-solving, visual, and nonverbal communication. These communication skills will be applied to occupations in the areas of agriculture, business/marketing, health occupations, home economics, and technical/trade/industry.

## **BUSINESS ENGLISH-----Preapproved 12-----1 credit**

In Applied Communications, students' study and practice essay writing fundamentals, develop reading fluency and comprehension skills, expand vocabulary and polish grammatical skills. Students will read informational texts along with British and American literature short stories, essays, plays and poetry. The course objectives revolve around improving basic literacy skills. This course requires a recommendation from the student's previous English teacher and the counselors. Permission to take the course is granted on a limited basis.

## **MTSS MATH FLEX-----Elective 9-12----- .25 credit/semester**

This intervention course is geared for students in Algebra I and Geometry that are in the strategic range. This support class will run alongside the Algebra and Geometry courses to pre-teach, reteach, enrich, and remediate for the students that qualify in order to prevent against lowering/altering standards for the existing curriculum and increase achievement. – Math Elective Credit (Does not count toward Math graduation requirement)

# MATHEMATICS

The recommended sequence for students planning to attend college is Algebra 1, Geometry, Algebra 2, Pre-Calculus, and Calculus. Three credits of mathematics are required for graduation. A student entering the ninth grade is placed in the appropriate math class as determined by the math department, ie. Essentials for Algebra, Algebra 1, Geometry.

## **ESSENTIALS FOR ALGEBRA -----Elective 9-11 ----- 1 credit**

Essentials for Algebra is a master-based intensive intervention that provides key foundational skill-building, problem solving strategies needed to be successful in Algebra. It includes concepts and applications found in Algebra 1. It is broken down into 120 mini lesson where students will continue to skill build until mastery. **Students will be placed in this course only with the recommendation of the Math Department and the counselors.**

## **CONSUMER MATH -----Elective 11-12----- 1 credit**

This math course is designed to prepare students to function as wise consumers in our society. It is intended primarily for those students planning to enter the world of work immediately upon graduation from high school. Topics include: basic geometry, personal finance, checking and savings accounts, insurance, installment buying, credit costs, investments, taxes, sales commissions, net pay, wages, overtime and other skills required to function as an independent adult. **Students will be placed in this course only with the recommendation of the Math Department and the counselors.** This course does not meet the math requirements for the ND State Board of Higher Education.

## **ALGEBRA 1 -----Elective 9-10 ----- 1 credit**

This course is pre-vocational in the sense that it is a prerequisite to further work in preparing for an engineering career or for scientific research. It is an elective for those students who find algebra an entrance requirement for the college of their choice. Algebra teaches the use of letters in the number system and how the laws of arithmetic function with letters used as numbers. NCAA and NAIA approved course.

## **Mathematical Thinking and Design Lab (Offered Even Years)-----Elective 11-12-----1/2 credit**

**Prerequisite: Algebra and Geometry**

This course will focus on hands-on opportunities for students to apply math concepts in real-world contexts. The Engineering Design Process will be utilized in engaging students in creating projects, products, and presentations. Students will gain a better understanding of how math concepts apply in the world around them and the course will help students develop 21<sup>st</sup> Century Skills such as communication, collaboration, critical thinking, decision making, and creativity.

## **GEOMETRY -----Elective 9-11 ----- 1 credit**

**Prerequisite: Algebra 1**

Plane & solid geometry is the study of relationships among points, lines & planes. Logical thinking is learned as step by step proofs are developed in working problems. Practice is given in construction of geometric figures with a compass & straightedge. NCAA and NAIA approved course.

**INTEGRATED MATH 3-----Elective 11–12----- 1 credit**

**Prerequisite: Algebra 1 & Geometry**

This class is a continuation of previous mathematical learning from algebra 1 and geometry. Students will relate visual displays and summary statistics to various types of data and to probability distributions with a focus on drawing conclusions from the data. Students will study polynomial, rational, and radical functions, drawing on concepts of integers and number properties to understand polynomial operations and the combination of functions through operations with the instruction building to the Fundamental Theorem of Algebra. Students will also continue their study of right triangle trigonometry to include non-right triangles and developing the Laws of Sines and Cosines. Finally, students will model an array of real-world situations with all types of functions they have studied, including work with logarithms to solve exponential equations. NCAA and NAIA approved course. **Students will be placed in this course only with the recommendation of the Math Department and the counselors.**

**ALGEBRA 2-----Elective 10–12----- 1 credit**

**Prerequisite: Algebra 1 & Geometry**

This class is a continuation of mathematical ideas from elementary algebra. The structure of the number system, more symbolism and greater competence in computation, and the application of algebra to life situations are stressed. NCAA and NAIA approved course.

**PRE-CALCULUS -----Elective 11–12----- 1 credit**

**Prerequisite: Algebra 1, 2, & Geometry**

This is basically a college preparatory course. Pre-Calculus is strongly recommended for students planning to enter the world of math, science, or engineering. Some of the topics included are: a continuation of Algebra 2 and analytic geometry, analytic trigonometry, function concepts, and exponential growth. NCAA and NAIA approved course.

**PROBABILITY & STATISTICS-----Elective 11–12-----1/2 credit**

**Prerequisite: Completed Algebra 2**

This is a college level course for students interested in careers in mathematics, science, engineering, and data analysis. Topics focus on methods of gathering, presenting, and analyzing data. A graphing calculator is required for this class. NCAA and NAIA approved course.

**ADVANCED PLACEMENT CALCULUS -----Elective 12----- 1 credit**

**Prerequisite: Pre-Calculus prior to senior year.**

AP Calculus is taught as a college level Calculus 1 course. This course involves: limits, differentiation of algebraic functions with applications, logarithmic and exponential functions, anti-differentiation, the definite integral with applications, and techniques of integration. Students are expected to take the Advanced Placement exam in May. Students who pass the exam can receive college credit at most colleges and universities in the nation. NCAA and NAIA approved course.

**\*\*If a student passes the first semester of a math course but doesn't pass the second semester and doesn't make up the failed semester during summer school, the student will be encouraged to repeat the entire year of the failed course rather than just the 2<sup>nd</sup> semester. The 1<sup>st</sup> semester will count as an elective credit for graduation and serve as a review of necessary math concepts to help the student be successful in the 2<sup>nd</sup> semester of the course.**



# MUSIC

## **WIND ENSEMBLE-----Elective 11-12 Audition Only-----1 credit**

The Wind Ensemble is an auditioned group of juniors and seniors. Members are selected by an audition in the spring of the previous school year. Wind Ensemble is a course, so the group rehearses every school day and students' grades counts towards their Grade Point Average. The Wind Ensemble performs a variety of concert band repertoire at the highest level of difficulty of all bands in the school. Students from the Wind Ensemble along with the Concert Band and Symphonic Band make up the Marching Band and Pep Band.

## **CONCERT BAND-----Elective 10-12-----1 credit**

The Concert Band is a non-auditioned group of sophomores through seniors. Concert Band is a course, so the group rehearses every school day and students' grades counts towards their Grade Point Average. The Concert Band performs a wonderful variety of concert band repertoire. Students from the Concert Band along with the Wind Ensemble and Symphonic Band make up the Marching Band and Pep Band.

## **BAND 9 (SYMPHONIC BAND)-----Elective 9-----1 credit**

The Symphonic Band is a group of freshmen musicians who just finished their middle school band experience. Due to unique scheduling circumstances, there will occasionally be older students in this class. Symphonic Band is a course, so the group rehearses every school day and students' grades counts towards their Grade Point Average. The Symphonic Band performs a variety of concert band repertoire that continues to develop technique and musicianship. Students from the Symphonic Band along with the Wind Ensemble and Concert Band make up the Marching Band and Pep Band.

## **BLUE JAY JAZZ ENSEMBLE-----9-12 Audition Only-----no credit**

The Blue Jay Jazz Ensemble is an auditioned group that is comprised of talented woodwind, brass, percussion, and keyboard musicians from any of the three concert bands at JHS. Members are selected by an audition in May of the previous school year. This group rehearses on Mondays and Thursdays from 7:00 am – 7:40 am. During the winter and spring months, the Blue Jay Jazz Ensemble will perform a number of concerts in the city of Jamestown and participate in a jazz festival out of town. Instruments to be seen in the jazz ensemble are *saxophone, trombone, trumpet, bass, guitar, piano, and drums.*

## **PRIVATE INSTRUMENTAL LESSONS -----Voluntary ----- no credit**

Students have the opportunity to take free instrumental lessons. Private lessons are a great way to prepare for auditions, solos, ensembles and music from band class.

## **ORCHESTRA -----Elective 9–12 ----- 1 credit**

The orchestra consists of members from grades nine through twelve. Members are admitted when their playing proficiency allows them to function effectively within the group. String students in grades 9-12 rehearse together five hours a week for one credit. This grade counts toward their GPA. String members of the orchestra have the opportunity to perform solos and in smaller ensembles as well. This group participates in the State Orchestra Festival, instrumental contest, and All State Orchestra.

## **CONCERT CHOIR-----Elective 10–12----- 1 credit**

Choir rehearses five times each week and members receive 1 credit for their participation in the group. The grade received counts toward their GPA. The Concert Choir is actively involved in providing music for concerts, special school events and civic functions. A fundamental techniques course of study is followed with testing each nine weeks – the results make up part of the nine weeks grade received in choir.

## **CHOIR 9 -----Elective 9 ----- 1 credit**

Choir rehearses five times each week and members receive 1 credit for their participation in the group. The grade received counts toward their GPA. The Choir is actively involved in providing music for concerts, special school events and civic functions. A fundamental techniques course of study is followed with testing each nine weeks – the results make up part of the nine weeks grade.

**SHOW CHOIR -----Audition Only----- no credit**

**Prerequisite: Must be enrolled in Concert Choir**

This group meets Tuesday and Friday at 7:00 am. They perform pop and show tunes with choreography. They perform for competition and for many community events.

**VOCAL JAZZ -----Audition Only 11-12-----1/2 credit**

**Prerequisite: Must be enrolled in Concert Choir**

Vocal Jazz is an auditioned group open to Juniors and Seniors which meets twice a week during 7th hour and does multiple performances throughout the year. Students audition on a cappella selection in SATB ensembles. Students will learn about Jazz/Pop Techniques including scat singing and improvisation.

**MUSIC THEORY -----11 - 12-----1/2 credit**

Music Theory is a year-long class that meets twice a week during 7<sup>th</sup> hour with an additional one hour per week computer time required. Students enrolled in the class should be able to read music notation. Students will work with notation, chord structures and composition.

**PRIVATE VOCAL LESSONS/ENSEMBLES/POP GROUP—Voluntary ----- no credit**

Students have the opportunity to take free voice lessons, participate in an ensemble of their choosing or form a "POP" group which can be expanded to include choreography. All opportunities for extra participation meet once each week with the choral director. Participation in Honor Groups and District and State Festivals is encouraged.

**INTRODUCTION TO GUITAR & WORLD MUSIC-----9-12-----1/2 credit**

This class is a 1 semester class where students earn ½ credit. The class meets every school day and the students' grades counts towards their Grade Point Average. It is designed for students interested in learning **beginning guitar**. No experience in music is necessary. This class is NOT designed for students who already play the guitar. This is a hands-on class where students will learn to play the guitar together in group instruction. Students will learn to read notes on the music staff, chords and strumming patterns. The class will be exposed to a variety of musical styles from around the world. Guitars will be provided for class use.



# NATURAL SCIENCE

Ninth grade physical science is the first unit counting toward graduation requirements. The recommended sequence of science courses is biology in the 10th grade, chemistry in the 11th grade, and physics and/or anatomy–physiology in the 12th grade. Three credits of science are required for graduation. North Dakota University System requires three credits of science to meet admission requirements.

## **PHYSICAL SCIENCE-----Required 9----- 1 credit**

Physical science is the study of basic Chemistry and Physics. The first semester of the course covers mostly Chemistry topics. Topics will include: the study of atomic structure, study of the periodic table, chemical bonds, chemical formulas, chemical reactions, solutions, acids, bases and salts and nuclear decay. The second semester covers mostly Physics topics. Topics will include: forces, motion, energy, waves, optics of lenses and mirrors, sound and electricity. Physical Science is a laboratory centered program which introduces the use of proper lab techniques and safety. The course will include about 30-35 different lab experiments and computer simulations. Emphasis is placed on building a strong background in science vocabulary and lab procedures. NCAA and NAIA approved course.

## **BIOLOGY -----Elective 10–12----- 1 credit**

Biology is the study of life. The course of study begins at the molecular level and proceeds through cell tissues, organisms, the origin of life, populations and ecosystems. Approximately forty percent of class time is spent in the laboratory. Students are required to complete a laboratory project each of the first three nine weeks, such as a twenty–five specimen plant collection. NCAA and NAIA approved course.

## **ENVIRONMENTAL SCIENCE-----Elective 11-12-----1 credit**

**Prerequisite: Physical Science, Biology, or authorization**

Environmental science is an interdisciplinary study of natural systems, environmental issues, risks associated with these problems and alternative solutions. Students will study science as a process, energy in ecosystems, Earth systems, human impacts, societal context and designing solutions. The course is designed for students of all ability levels and interests. NCAA and NAIA approved course.

## **CHEMISTRY STUDY -----Elective 11–12----- 1 credit**

**Prerequisite: Algebra 1 "C" grade or better or authorization.**

The purpose of the course is to help students gain some understanding of the facts and principles of chemistry so that they can better deal with their world. This course places emphasis on college preparation. Students interested in career outlook clusters such as: natural resources, engineering/industrial technologies, and health and human services should consider this course. Chemistry is the study of: matter, its structure, properties, composition, and the changes that matter undergoes. Students will: attend lectures, do problem solving, and participate in laboratory activities. NCAA and NAIA approved course.

## **AP CHEMISTRY-----Elective 11–12 ----- 1 credit**

This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills.

Big Idea 1: Structure of matter

Big Idea 2: Properties of matter-characteristics, states, and forces of attraction

Big Idea 3: Chemical reactions

Big Idea 4: Rates of chemical reactions

Big Idea 5: Thermodynamics

Big Idea 6: Equilibrium

**PHYSICS-----Elective 11-12-----1 credit**

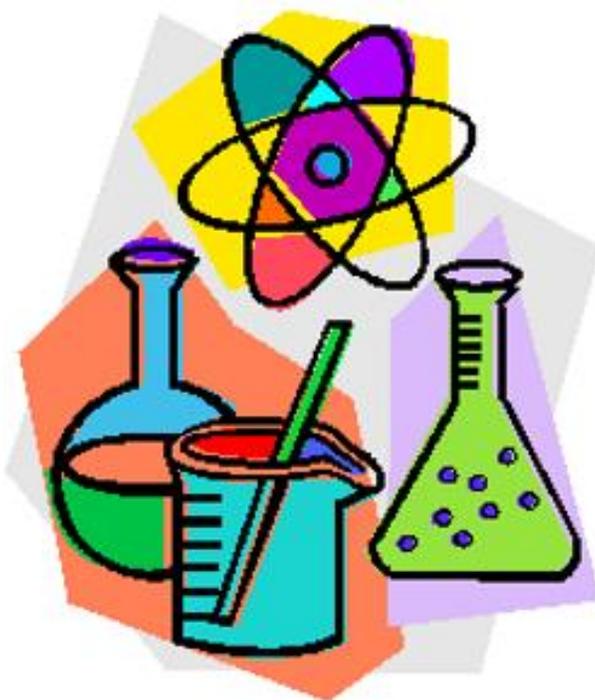
**Prerequisite: Algebra 2 and Geometry**

The purpose of this course is to help students gain some understanding of this ever-evolving body of information and how it applies to them. Emphasis is placed on college preparation. Students interested in career outlook clusters such as: natural resources, engineering/industrial technologies, and health and human services should consider this course. The course covers the branch of science concerned with matter and energy, especially as these relate to mechanics, heat, electricity, magnetism, and atomic phenomena. Students will attend lecture, participate in problem solving sessions, and do laboratory investigations. NCAA and NAIA approved course.

**ANATOMY/PHYSIOLOGY-----Elective 11-12 ----- 1 credit**

**Prerequisite: Biology**

Anatomy/Physiology is the study of structure and function of the human body. It provides an above average high school vocabulary which will help students in basic and advanced college science courses. The class consists of hands on dissection of the cat as well as other labs pertaining to human anatomy. A strong biology background is recommended. This course has a dual credit option through NDSCS in Wahpeton. NCAA and NAIA approved course.



# PHYSICAL EDUCATION/HEALTH

**One credit of physical education and ½ credit of health is required for graduation.**

## **INDIVIDUAL / TEAM SPORTS-----Elective 9-10 -----1/2 credit**

This course will expose students to the techniques / rules / strategies / sportsmanship of team sports such as but are not limited to Basketball, Volleyball, Flag Football, Softball, Whiffle ball, Floor Hockey, Soccer, Badminton, Speed Minton, Archery, Pickle ball, and Tennis.

## **HEALTH -----Required 9 or 10-----1/2 credit**

The Health class will cover all aspects of physical, mental, and emotional health of an individual. Students will have the opportunity to be become certified in CPR/AED. They also will have the opportunity to be part of the CERT (Community Emergency Response Team) program. Students would need to take a semester of Health sometime during their Sophomore or Freshmen year.

## **LIFEGUARD AND WATER SAFETY -----Elective 9 – 12 -----1/4 credit**

Lifeguard and Water Safety helps students develop skills useful or necessary in an aquatic environment. Activities will focus on lifesaving skill development, training, and education in a team-oriented work environment. Coursework is developed and scheduled at the Two Rivers Activity Center (TRAC) and will typically be afternoons/evenings. Certifications in Lifeguarding, CPR/AED included in this course work.

## **LIVING SPORTS -----Elective 11- 12-----1/2 credit**

Living sports is designed to teach the rules, skills, and appreciation of sports and activities that may be carried on throughout a student's lifetime. The course will include both individual and team sports that provide a wise use of leisure time and the means to stay fit for life. The sports concentrated on are, but not limited to yard games, volleyball, softball, tennis, golf, horseshoes, disc golf, basketball, whiffle ball, badminton, ice skating, bowling, and archery. Proper dress will be athletic clothing when the activity calls for it. Students will be notified when casual clothing will be appropriate. Clothing must also follow the dress code outlined in the JHS planner. There will be a moderate charge to students taking the class.

## **DANCE-----Elective 9-12-----1/2 credit**

Dance class meets five times per week. Dance will provide students with experiences in different dance forms and are usually introductory in nature. The areas of dance concentrated on are, but not limited to, country line dance, circle, folk, fox trot, Latin, line, polka, square, swing and waltz. Proper dress will be athletic clothing and shoes. Clothes must follow the dress code as outlined in the JHS planner.

## **BEGINNING STRENGTH DEVELOPMENT-----Elective 9-10-----1/2 credit**

This is a semester course that provides students with a working knowledge / understanding how to safely perform & train the total body in a weight room setting. Following proper progressions in learning how to squat, bench press, & deadlift in a safe & efficient manner. Applying principles of strength training overload concepts, proper training techniques, nutrition, how to work side by side others, gain increased confidence / self-esteem & learn how to develop their bodies through strength training.

## **ADVANCED STRENGTH DEVELOPMENT-----Elective 11-12-----1/2 credit**

This is a semester course that is for Juniors / Seniors that is an extension of Beginning Strength Development. It would be helpful to have the Beginning Strength, but not completely necessary. Additional instruction on the techniques of Olympic weightlifting techniques / progressions, how to setup programming for one's self based on what they have or don't have access to, & show that you don't need a lot of fancy equipment to get a quality workout in and lead a healthy lifestyle. The goal for every student to be able to walk in to any weight room / fitness facility and be able to put together a workout for themselves. No matter what equipment is or is not available.

**FEMALE STRENGTH DEVELOPMENT-----Elective 9-12-----1/2 credit**

This is a semester course is designed strictly for Females in grades 9-12. This course will focus on working knowledge / understanding how to safely perform & train the total body in a weight room setting. Following proper progressions in learning how to squat, bench press, & deadlift in a safe & efficient manner. Applying principles of strength training overload concepts, proper training techniques, nutrition, how to work side by side others, gain increased confidence / self-esteem & to physically learn how to develop their bodies through strength training.

**STRENGTH & CONDITIONING.....Elective 10-12.....1/2 credit**

The focus of the class will be on improving strength and conditioning performance factors. High intensity levels of training will be done focusing on development of speed, agility, quickness, jumping ability, and mobility. Strength training and the use of Olympics lifts will be utilized to develop muscular power. The course runs during zero hour 6:30am - 7:20am.

**NUTRITION & FITNESS.....Elective/PE 10-12.....1/2 credit**

The purpose of this course is to acquaint students with the basic knowledge, understanding and values of nutrition and physical activity relating to a healthy lifestyle. Students will assess and work towards achieving personal fitness through exercise and nutrition. This is an interdisciplinary class taught by a FACS Teacher and PE Teacher. Labs will be conducted in the FACS department and in the physical education areas.



# SOCIAL STUDIES

**Ninth grade civics is the first credit counting toward graduation. Four credits of social studies are required for graduation.**

## **CIVICS-----Required 9 ----- Elective 10-12\* -----1/2 credit**

**\*This course does not replace the required Social Studies courses for 10-12 students (World History, United States History, Government and Economics) but may be used as an elective.**

Civics is the study of what it means to be an American citizen. This course provides a broad overview of democratic principles, federal government structures, state/local government issues, the political process, the American economy and what it means to be an active participant in society. Special attention will be given to preparation for the required ND citizenship exam. NCAA and NAIA approved course.

## **NORTH DAKOTA STUDIES-----Required 9-----1/2 credit**

**\*This course does not replace the required Social Studies courses for 10-12 students (World History, United States History, Government and Economics) but may be used as an elective.**

North Dakota Studies is the study of North Dakota social studies in several areas including history, culture, geography, politics, and the economics. It is the freshman companion course to Civics. NCAA and NAIA approved course.

## **WORLD HISTORY-----Required 10 ----- 1 credit**

World History is more than just a series of dramatic events. It is the story of the human community – how people lived on a daily basis, how they shared ideas, how they ruled and were ruled, and how they fought. World History includes subjects like economics, politics, and social change. It covers past and present cultures, religious inspiration, artistic movements and the study of human movement through Geography. NCAA and NAIA approved course.

## **UNITED STATES HISTORY-----Required 11 ----- 1 credit**

Gain insight into relationships among people, ideas, and events, learn and use significant facts of United States History. Students will develop an appreciation of history, including literature, music, architecture, and the fine arts while improving fundamental skills, such as reading, listening, speaking, writing, interpreting graphic material, using maps, outlining and use of source material. Critical thinking skills such as recognizing and defining problems and issues, evaluating information and sources, and distinguishing fact from opinion will be emphasized. Value concepts, such as dignity of human being, respect for law, freedom and equality, duties as well as rights, and a democracy as an ideology and way of life are examined. Time period covered is 1900 to present. NCAA and NAIA approved course.

## **AP US GOVERNMENT & POLITICS-----Elective 12-----1/2 credit**

This course will give students an analytical perspective on government and politics in America. Topics will include: constitutional foundations of American government, political beliefs and behaviors, political parties, interest groups and mass media, institutions of national government, public policy, and civil rights and civil liberties. This course is an elective, but would replace regular Government as a required class. The student who enrolls in this course will have the opportunity to take an Advanced Placement exam at the end of the year with the possibility of earning college credit. Payment for the exam will be each student's responsibility (cost approximately \$87.00). NCAA and NAIA approved course.

## **ECONOMICS-----Required 12 -----1/2 credit**

The science of economics deals with making choices about using resources and spending money. This course's major focus is the study of how the goods and services a society wants are produced and how they are distributed among people. The course emphasizes significant aspects of our free enterprise system and better decision making on the part of consumers. This course has a dual credit option through NDSCS in Wahpeton. NCAA and NAIA approved course.

**GOVERNMENT-----Required 12-----1/2 credit**

This course focuses on the study of how power, politics, & government work in America. Special emphasis will be given to the need for citizen involvement, current events as they relate to the course outline & problems in our democracy. NCAA and NAIA approved course.

**PSYCHOLOGY-----Elective 10-12-----1/2 credit**

This course deals with the study of how the human mind works together with the body to produce thoughts and actions. Topics include: Historical psychology philosophy, careers, research, learning, human development, personality, mental disorders and treatment. This is an excellent class for those who may take a psychology class in college or be interested in a career in a mental health profession. The class is taught as a college prep course. Student assessment will include writing papers. Computer access is also important. NCAA and NAIA approved course.

**AP PSYCHOLOGY-----Elective 11-12-----1/2 credit**

AP Psychology is the study of human and animal thought processes and behavior. This is an exciting and interesting subject in which we will look into many aspects of human behavior from the biology of the brain and body to maladaptive behavior. This course emphasizes real life applications of behavioral knowledge to give you a better understanding of the world. This is a positive and active class where class participation and involvement is expected of every student and team building is developed to encourage necessary study skills needed in college and in the workplace. This is a college level course and you will be expected to do the work of a college level student in preparation for taking the Advanced Placement exam. This test is 100 multiple choice and 2 free response questions done in 2 hours. The test is graded on a scale of 1-5. Three is passing and accepted by many colleges as AP credit. Some colleges ask for a score of 4 or 5 on the exam to give college credit.

**SOCIOLOGY-----Elective 11-12-----1/2 credit**

The study of people's behavior in groups is the focus of this class. Emphasis will be placed on: culture, social institutions, social problems and the process of change in society. Specific topics can include: deviance and social control, the family, education and gerontology. NCAA and NAIA approved course.



# SPECIAL EDUCATION

Jamestown Public Schools offer a variety of services for students who are found eligible. Eligibility is based upon a team process including individualized testing and teacher, specialist, and parent input. Appropriate services are then determined.

The following services/programs are available through Jamestown High School:

Emotionally Disturbed -----	9-12
Learning Disabilities-----	9-12
Speech/Language Pathology -----	9-12
Hearing Impaired -----	9-12
Basic Education -----	9-12
Transition Learning Services-----	12+
Vocational Special Needs/Career & Tech Resource Ed -----	9-12

## **THE LEARNING CENTER (LC) -----Elective 9-12 ----- 1 credit**

The learning resource center serves identified students with different learning needs who are on an IEP, 504 plan, or special referral. Students receive an elective credit with an S/U grading scale. It utilizes the student's curriculum to teach different learning strategies. The objectives of the learning resource center are to support students' class work, improve study skills, encourage social growth, remediate areas of academic weakness, develop areas of academic strengths, correlate regular curriculum goals with IEP goals, facilitate communication with teachers and parents, and encourage students to reach their highest potential in and out of school as they transition to post-secondary life.

## **BASIC ENGLISH -----Required 9 - 12----- 1 credit**

This is a year-long course that uses world literature as a foundation for the study of language arts. The student's communication skills are improved through units of study that stress reading, writing, and speaking. Students receive instruction in writing, grammar, speech vocabulary and other related areas. Other units of study are: book reports, research paper, and poetry. The computer lab is utilized extensively for many of the fun, yet challenging projects in this course.

## **BASIC MATH 9-----Required 9----- 1 credit**

This course is designed to help the student develop the math skills needed to succeed in today's world. Topics covered are: math reasoning, math computation, fractions, decimals, percents, measurements and other basics of mathematics.

## **BASIC PRE-ALGEBRA 10-----Required 10 ----- 1 credit**

This course is recommended for those students struggling with math. Topics covered will be properties of real numbers, solving, graphing, equations, decimals, factors and multiples, fractions, coordinate planes, integers, proportions, variable expressions, variable equations and connections to geometry.

## **BASIC CONSUMER MATH 11-----Required 11 ----- 1 credit**

This course is designed to prepare students for real-life situations. Topics include: personal finance, checking and savings accounts, insurance, credit cards, budgeting, wages and other skills required to function as an independent adult.

## **BASIC PHYSICAL SCIENCE 9-----Required 9----- 1 credit**

Physical Science is the study of basic Chemistry and Physics. The course of study begins with the study of atomic structure, periodic table, chemical reactions, solutions, acids, bases and salts; followed by the study of forces, motion, energy, waves, optics of lenses and mirrors, sound and electricity. The course introduces the use of proper lab techniques and safety. The course will include about 15 different lab experiments. Emphasis is placed on building a strong background in science vocabulary and lab procedures.

**BASIC BIOLOGY 10-----Required 10----- 1 credit**  
Biology is the study of Life. The course begins with a study of cell tissues, organisms, and the origin of life, populations and ecosystems. Lab assignments vary from completing projects such as: leaf, grass collection, simulated zoo habitat, virtual pig and frog dissection.

**BASIC ENVIRONMENTAL SCIENCE -----Required 11----- 1 credit**  
Environmental Science is a study of natural systems, environmental issues, risks associated with these problems and alternative solutions. Students will study science as a process, energy in ecosystems, earth systems, human impacts and earth's resources.

**BASIC CIVICS 9 -----Required 9-----1/2 credit**  
This course provides the basic understanding of the system of government of the United States. It provides an overview of how federal, state, and local governments work, the political process, the American economy and what it means to be an active citizen of the United States.

**BASIC NORTH DAKOTA STUDIES 9 -----Required 9-----1/2 credit**  
This course studies the culture, geography, politics and economics of North Dakota. Oral tradition, letters, documents, art, music, literature are among the many topics stressed in this class.

**BASIC WORLD HISTORY 10 -----Required 10----- 1 credit**  
The study of world history shows the connections of the rise and fall of many nations. It stresses the ideas of the great thinkers, the incredible richness of many cultures, timelines of important events and the areas in which these important people lived.

**BASIC UNITED STATES HISTORY 11 -----Required 11----- 1 credit**  
This course will give the student a better understating of the history of the United States. They will learn how the country began, how people contributed to its growth and development, and how the United States became a powerful leader. Time period covered is the Civil War to the present.

**BASIC ECONOMICS 12 -----Required 12-----1/2 credit**  
The science of economics deals with making choices about using resources and spending money. This course's major focus is the study of how the goods and services a society wants are produced, how they are distributed among people and helping people make better decisions when consuming.

**BASIC GOVERNMENT 12 -----Required 12-----1/2 credit**  
This course focuses on the study of how power, politics and government work in America. Special emphasis will be given to the need for citizen involvement, current events as they relate to government and democracy.

**THE TRANSITION LEARNING CENTER (TLC) ---Elective 12+ -----N/A**  
The Transition Program provides a post-secondary educational choice for students with disabilities who choose to continue working on transition skills through their Individual Education Plan (IEP). Program participation takes into account individual student needs, preferences, and interests. Students need to have completed all requirements for graduation before coming to the Transition House.

# VOCATIONAL SPECIAL NEEDS/CAREER & TECH RESOURCES ED

## **VOCATIONAL WORK EXPERIENCE -----Elective 9 - 12 ----- 1 credit**

This course provides students with the opportunity to learn about and practice work skills. This course will cover work skills needed to find, secure and keep a job, look at various training options for post-secondary employment. There is a hands-on component to this class to put the skills discussed in class into practice.

## **BASIC PERSONAL FINANCE-----Required 10 – 12-----1/2 credit**

**Prerequisite: Word Processing or Basic Computer Literacy**

This course helps students get ready for the “Real World”. The class will provide a foundation of personal finance skills to help them become responsible citizens. Students will learn how to manage money, write checks, pay taxes, and apply for loans. Students will learn of the temptations they may face as they manage their money.

## **BASIC COMPUTER LITERACY-----Required 10 – 12-----1/2 credit**

This course is designed to develop students’ computer literacy and keyboarding skills and to meet each students programming needs. The student will learn from hands-on learning experiences with emphasis on skills in word processing, spreadsheets, and graphical presentations in the Windows environment.

## **CAREER AND TECHNOLOGY CENTER**

**CTC Courses require a two hour block of time unless otherwise indicated.**

**Coop courses are only available for juniors and seniors as their 6<sup>th</sup> or 7<sup>th</sup> credit.**

**Coop courses are only available for sophomores as their 7<sup>th</sup> credit.**

## **AGRISCIENCE 1 (offered even years) ----- Elective 9-10 ----- 1 credit**

AgriScience integrates biological and technological concepts with the basic principles of agriculture. This course encourages the student to realize the importance of agriculture in the sciences. Topics of learning include: biotechnology, career options in AgriScience, leadership development and the FFA, natural resource management, aquaculture, soils and hydroponics management, integrated pest management, and plant physiology and reproduction. Units in welding/carpentry are included. FFA participation is strongly encouraged.

## **AGRISCIENCE 2 (offered odd years) -----Elective 9-10----- 1 credit**

AgriScience integrates biological and technological concepts with the basic principles of agriculture and encourages the student to realize the importance of agriculture in the sciences. Topics of learning include, but are not limited to: crop science, vegetable production, specialty crop production, turf grass use and maintenance, trees, animal anatomy, animal nutrition, animal health, genetics, breeding and reproduction, small animal care, horse management, food science, and agricultural business. Units in welding and carpentry are included. FFA participation is encouraged.

## **SMALL ANIMAL CARE ----- Elective 9–12 ----- 1/2 credit**

This course is designed to provide students with the skills and concepts involved in the care and management of companion animals including dogs, cats, rabbits, birds, fish, and reptiles. Students will learn basic information on breed characteristics, nutritional requirements, health requirements including common species diseases, grooming, handling, training, housing needs, and the retail pet business. The student will be studying animal/human relationships and how animals play a very large role in our lives today. Career and hobby opportunities in small animals are also explored. The current pet situation in our society will be discussed. Students will be encouraged to develop their definition of animal welfare and animal rights.

**INTRODUCTION TO VETERINARY SCIENCE ----Elective 9-12 ----- 1/2 credit**

This course is designed to introduce students to the exciting field of veterinary science as it relates to the animal owner/veterinary assistant. This course will cover many facets of veterinary science that deals with the health, behavior, and well-being of animals including animal anatomy, physiology, nutrition, diseases, and common surgical procedures. The student will learn technical skills and knowledge necessary in caring for animals.

**INTRO TO FOOD SCIENCE -----Elective 9-12 ----- 1/2 credit**

This semester-long course is designed to introduce students to the food industry in America focusing on the processes of food from harvest to consumer. Topics include the nutrition, composition, preservation, chemistry, environmental concerns, and world needs of our food supply. The focus is on the basic understanding of the industry of food science as it is today in America.

**SUPERVISED AG EXP PROGRAM/SS -----Elective 9-12 -----1/4 credit**

This course provides credit for FFA Supervised Agricultural Experience Programs (SAEs) conducted by FFA members. Assessment is in the form of proficiency awards and degrees obtained. The instructor acts as an advisor assisting the student to develop and maintain accurate records and inventory in his/her entrepreneurship/placement SAE.

**INTRO TO AGRICULTURE SCIENCE-----Elective 9-10 -----1/2 credit**

This semester-long course is designed to introduce students to the scientific applications in agriculture. Topics include agricultural research and advancements, genetics, genetic engineering, biotechnology, soil science, aquaculture, fiber science, the forestry industry, and cell science. This course will give you a better understanding of how agriculture relates to the sciences.

**COOPERATIVE WORK EXPERIENCE-----Elective 11-12-----1/2 credit**

This course provides students with a regularly scheduled, supervised employment opportunity related to agriculture occupations in order to develop and improve work skills. This course will cover skills needed to find and secure a job including how to write a resume and cover letter, fill out a job application, keys to a successful interview, and what to do once the interview is over.

**HORTICULTURE -----Elective 9-12 -----1/2 credit**

This course introduces students to the horticultural industry by providing hands-on-lab activities in a greenhouse. Students will produce greenhouse/nursery plants, maintain plant growth and examine the importance of soils, plant structure and anatomy, plant reproduction and entomology. The course is designed to reinforce and extend student understanding of science by associating basic scientific concepts to the field of horticulture.



**AUTO COLLISION TECHNOLOGY 1-----Elective 11-12----- 2 credits**

Students will work on repairing damaged automobiles and body parts of automotive vehicles. They will learn to: fix dents, weld and work with panel bonding and plastic materials, use arc plasma cutter, cutting torch and mig wire feed welder. They will file, grind and sand repaired surfaces by using power and hand tools. They will also refinish repaired surfaces by applying primer-surfacer coat and sanding. Students may find work as an auto collision tech or assistant.

**AUTO COLLISION TECHNOLOGY 2-----Elective 12----- 2 credits**

**Prerequisite: Auto Collision Technology 1**

Students will learn to do a complete refinish paint job, identify and apply different types of primers, single-stage topcoats and basecoat/clear coat finishes. They will identify and remedy different paint problems. Students will learn the installation of different automotive hardware, glass and vinyl decals. Students will study automotive estimating and shop layout. Students are prepared to be an auto collision tech, or assistant. Cooperative Education Experience is available to qualified students. This program is ASE certified in paint and refinishing.

**AUTOMOTIVE TECHNOLOGY 1..Elective 11-12-- ----- 2 credits**

This course is one half of a two-part, two-year program designed to prepare a student for entry level employment in the Automotive field or advanced placement in a Technical College Automotive Program. This part of the program is focused on Brake Systems, Transmissions and Drive Trains, Suspension Systems, and Steering Systems and is aligned with those ASE and NDCTE Standards.

**AUTOMOTIVE TECHNOLOGY 2----Elective 11-12 ----- 2 credits**

**Prerequisite: Automotive Maintenance & Light Repair 1**

This course is one half of a two-part, two-year program designed to prepare a student for entry level employment in the Automotive field or advanced placement in a Technical College Automotive Program. This part of the program is focused on Engine Repair, Engine Performance, Electrical and Electronic Systems, and HVAC Systems and is aligned with those ASE and NDCTE Standards.

**FOUNDATIONS OF AUTOMOTIVE REPAIR-----Elective 9-12-----1/2 credit**

This course is designed to prepare students to understand the features, care, cleaning, and basic maintenance of motor vehicles. It instructs students in shop safety procedures, as well as proper care and use of hand tools and equipment found in a typical shop. It also introduces the student to career opportunities in the automotive field.

**CONSTRUCTION -----Elective 9-10 -----1/2 credit**

This course is designed for the student who would like to begin hands on experience in the construction technology industry. Students will be instructed in basic carpentry skills. This course covers safety, tools, basic plumbing, electrical, and entry level construction skills. This is a valuable life skill course for any student who plans on using carpentry tools to repair, remodel, or construct a building, cabinets, or furniture.

**CONSTRUCTION TECHNOLOGY 2 (CARPENTRY) --Elective 11-12----- 2 credits**

Carpentry skills geared to the construction and finishing of buildings and structures, as well as precision carpentry are taught. Students will also be instructed in basic plumbing and wiring of house electrical systems. Entry level occupations include: construction worker, house repairman, apprentice mason and roofer.

**CONSTRUCTION TECHNOLOGY 3 -----Elective 12----- 2 credits**

**Prerequisite: Construction Technology 1**

Building construction, planning, estimating costs, and advance carpentry skills, including some management training are taught. Entry level occupations include: carpenter apprentice, cabinet maker, apprentice electrician, drywall worker, and painter.

## **CHILD DEVELOPMENT -----Elective 9–10-----1/2 credit**

Child Development is the study of how children grow and develop. Students will investigate how children grow – physically, mentally, socially, emotionally, and morally. Students will discover how to help children be healthy, secure, and happy. The child as a member of a family will be a topic, with emphasis placed on the importance of both mothering and fathering roles.

Current social issues affecting children will be addressed. These may include impact of family crises on children, child abuse and neglect, children with special needs, education, and non-family care. Consumer education will be included in topics such as the costs of bearing and raising a child.

## **CARE AND DEVELOPMENT OF THE YOUNG CHILD--Elective 10–12----- 2 credits**

This course is open to males and females in the 10<sup>th</sup>, 11th and 12th grades. It provides classroom instruction relating to the physical, mental, and social growth and development of the preschool child. A unit on parenting and infant care is also included. Students learn to operate and manage a play school at the Career and Technology Center and get additional experience by assisting in elementary classrooms, local day cares and nursery schools. This is a valuable course for students interested in early childhood education, elementary education, or those planning to be a parent, nanny, or operate or seek employment in a day care center.

## **COOP LRNG - CHILD CARE -----Elective 12-----½ - 1 credit**

**Prerequisite:** Care and Dev of the Young Child

This is a credit course designed for seniors who have successfully completed Care and Dev of the Young Child. It is designed to give students additional opportunity for skill development in their chosen occupational area. The student will meet with the teacher on a regularly scheduled basis while receiving experience working with children. Training plans and agreements are developed by the teacher and the student focusing on the career development of the student. This can be a paid or unpaid work experience.

## **HEALTH SCIENCE CAREERS -----Elective 11–12----- 2 credits**

**Prerequisite:** Introduction to Health Science Careers (may be waved per approval by both Instructor & JVCTC director, depending on class size)

This program is developed to assist students considering a career in health sciences the opportunity to develop a broader knowledge and insight into a choice which best suits their capabilities and interests. Health Science Careers uses classroom based instruction, hands-on experience, speakers from the community and tours to instruct the student. A primary component of this course is it offers in-depth career studies. Semester 2, students will expand their skills and knowledge in their chosen areas of interest during clinical rotations in the community. Emphasis on academics, professional development, leadership, and organizational skills are integrated throughout the curriculum.

## **NURSING ASSISTANT -----Elective 10-12 -----1/2 credit**

This training program offers classroom instruction and clinical practice to those preparing for employment as a *certified nursing assistant* in a skilled nursing facility, acute care or home health care setting. This program includes supervised practical training and clinical practice as required by the North Dakota Board of Nursing. A certificate is issued upon completion of the class. Students also have the opportunity to take the state CNA board exam to acquire state certification.

## **COOP LRNG – HEALTH SCIENCE CAREERS ---Elective 11-12 -----1/2 credit**

*Learn while you work. Work while you learn.*

**Prerequisites:** Introduction to Health Science Careers, Health Science Careers, Medical Terminology (only 1 or more of the above listed classes – not all)

This is a course designed for students who have shown to be responsible, self-motivated and have a positive attitude towards work & learning. It gives students the opportunity for skill development in their chosen Health Science occupational area. The student will meet with the instructor on a regularly scheduled basis while receiving experience working. Training plans and agreements are developed by the teacher with aim of the student focusing on their career development. The purpose is to provide occupational training that gives the student a first-hand experience of work in their chosen field. This can be a paid or unpaid work experience.

**Special Note:** The number of recommended hours of training is 10-15 per week for 36 weeks (540 hours) per credit. A student must be employed a minimum of 150 hours for 18 weeks, or the equivalent to earn ½ credit. Students are normally not allowed to be employed by a parent or relative.

**MEDICAL TERMINOLOGY -----Elective 11-12 -----1/2 credit**

Medical abbreviations and terminology are used in all health science occupations. In order to communicate effectively, health science workers must be familiar with what is commonly used. Emphasis in this class is on building a working medical vocabulary based on body systems, while learning terminology as it relates to pathology, diagnostic, surgical, clinical & laboratory procedures.

**This course may be taken for dual credit with the student earning 3 college credits through Lake Region Community College – Devils Lake. The student must be a junior or senior and have a 3.0 GPA in order to be eligible for college credits.**

**INTRODUCTION TO HEALTH SCIENCE CAREERS-----Elective 10–12-----1 credit**

This program is designed to introduce students to today's health science career community. Students will receive instruction on how the health care system works, current issues and trends, careers in health science, and units of study on professional ethics, confidentiality and patient rights. Students will participate in a project-based curriculum through the use of guest speakers and hands-on activities throughout the year. All students have the opportunity to obtain CPR & First Aid by May of the school year. This program is a one-year program providing students an opportunity to explore a variety of health careers.

**INTRODUCTION TO SPORTS MEDICINE-----Elective 11–12-----1/2 credit**

Sports Medicine is designed for students who have an interest in Athletic Training, Sports Medicine, Physical Therapy, or any other health science related field. The curriculum includes class work and practical hands-on application. The basics of sports medicine will be emphasized to include Anatomy and Physiology, as well as the prevention, treatment (including taping), emergency procedures, infection control, rehabilitation of athletic injuries and careers in sports medicine. All students have the opportunity to obtain CPR and First Aid Certification by the end of the semester.

**PRECISION MACHINING TECH 1-----Elective 11–12----- 2 credits**

Precision Machining will provide the basic metal knowledge and skills required for a machine operator in the metal working and advanced manufacturing industry. Training is provided on: metal cutting lathes and drill presses, the use of precision lay-out tools, blueprint reading, and shop math.

**PRECISION MACHINING TECH 2-----Elective 12----- 2 credits**

**Prerequisite: Machine Tool Tech 1**

Precision Machining 2 is a continuation of developing more advanced machining knowledge and skills for industry. This class teaches advanced training in print reading with the understanding of the Geometric Dimension and Tolerance concept. Students must complete several advanced mill projects. Upon completion of the course students will have a very good understanding of safety, precision instruments, math, blueprint reading, and machine operation. This class will qualify a successful student as a machine operator in the work field. Cooperative Education Experience available to qualified students.

**AVIATION TECHNOLOGY I (Offered Odd Years)----- Elective 10-12-----1 credit**

Students are provided with an understanding of the science of flight and include the history and possible career paths within the aviation industry. Aviation covers physics, the relationships of weight and balance, principles of navigation and flight control, ground and airport operations and services, and Federal Aviation Administration regulations.

**AVIATION TECHNOLOGY II (Offered Odd Years)-----Elective 10–12-----1 credit**

**Prerequisite: Aviation Technology I**

Students will be prepared to pass the Federal Aviation Administration (FAA) private pilot verbal exam and will gain more advanced training and simulation experiences.

**UAS INTRODUCTION (Offered Even Years) -----Elective 10-12-----1 credit**

The Unmanned Aircraft Systems (UAS) (Drone Technology) course will teach students a basic understanding of recreational and commercial unmanned aircraft operations. They will identify the responsibility and authority of the remote PIC, discuss rules of UAS operation, understand the significance of airspace Classes B, C, D, E, and G as they pertain to UAS. Identify special-use airspace where UAS usage may be prohibited. Understand weather and how it affects flight of UAS. Understand general loading and performance data, airport operations. When students complete this course, they will have a general understanding and knowledge of the operation and uses of UAS as they pertain to the world of Aviation.

**UAS CAPSTONE (Offered Even Years) -----Elective 10-12-----1 credit**

**Prerequisite: Unmanned Aircraft Systems Introduction (UAS)**

This project-based course will apply prior knowledge acquired in UAS coursework to authentic community projects and collaboration with military and civilian connections organizations utilizing drone technology. More advanced training and simulation and the option of drone certification completion through this course.

## **ONLINE COURSES AT CTC**

**These courses are for students pursuing a medical pathway.**

**The CTC Administrator has final approval.**

**ENGLISH 110 / Online Dual Credit-----Elective 12-----1/2 credit**

This course is only open to Seniors who have obtained a minimum score of 18 on the English portion of the ACT or a combination of 35 or higher in the English and reading portions. Students may earn

The online Composition 110 dual credit class prepares students for the demands of college-level research, and argumentative writing. You will learn research analysis, argument strategies, research techniques, and documentation. You will develop skills in writing, analytical reading, and critical analysis. This class will help you evolve into a more effective participant in college level courses and enhance your research skills when working with traditional and electronic sources.

Participants will hone their communications skills through writing while analyzing and responding to critical readings, annotating a text to identify main points, and drawing key inferences. Students will identify and locate authoritative sources, research databases, and the web, using authoritative sources to support an argument. Students will learn both MLA and APA documentation, including the creation of the Works Cited Page.

This dual credit opportunity awards students who earn a passing grade 3 credits at any institution which is an affiliate of North Dakota State college or university system. Private university schools of North Dakota may or may not accept these course credits. The cost of this class is on a per credit basis.

**ENGLISH 120 / Online Dual Credit-----Elective 12-----1/2 credit**

**Prerequisite English 110**

This course is only open to Seniors who have obtained a minimum score of 18 on the English portion of the ACT or a combination of 35 or higher in the English and reading portions. Students must complete and pass the pre-requisite English 110 to enroll.

English 120 introduces students to critical thinking and the fundamentals of academic writing. Through the writing process, students refine topics; develop and support ideas; investigate, evaluate, and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences, and purposes. Writing activities will include exposition and argumentation with at least one researched essay. English120 will prepare students for all other expected college writing and for writing in the workplace through understanding the writing process and creation of effective texts.

Through the writing process, students will be able to develop a topic, draft an essay, make revisions, and edit a final copy. Students will read, summarize, and respond to college level texts; create unified, coherent, and well-developed texts using rhetorical elements; utilize and evaluate outside sources of information; and document sources of information.

This dual credit opportunity awards students who earn a passing grade 3 credits at any institution which is an affiliate of North Dakota State college or university system. Private university schools of North Dakota may or may not accept these course credits. The cost of this class is on a per credit basis.

**PSYCHOLOGY 111/ Online Dual Credit-----Elective 11-12-----1/2 credit**

Provides the student with a general introduction to fundamental topics and areas in the field of psychology. Students will learn about the history of psychology, various scientific methods for research, neurological underpinnings of behavior and mental processes, and diverse subjects relevant to the field, including sensation and perception, learning, memory, and social psychology.

Psychology can help you understand yourself and others, and is relevant to many fields including health, education, sports, business, and law. As such, Psychology is important to individuals and to society. During this course we will overview the history of psychology, research methods, behavioral genetics, perception, variations of consciousness, learning, memory, language, thinking, intelligence, motivation, emotion, development, aging, personality, social behavior, health psychology, mental disorders, and psychological treatments. At the end of the course, you should know key concepts and findings about these topics, as well as be acquainted with the research methods of psychology and be able to evaluate purported facts about psychology.

This dual credit opportunity awards students who earn a passing grade 3 credits at any institution which is an affiliate of North Dakota State college or university system. Private university schools of North Dakota may or may not accept these course credits. The cost of this class is on a per credit basis.

**PSYCHOLOGY 250/ Online Dual Credit-----Elective 11-12----- 1/2 credit**

**Prerequisite Psychology 111**

This course is an introduction to the study of personality. The course examines theoretical explanations for understanding personality development and explores each theory. The course also investigates how personality is assessed. The focus is on approaches that psychology has developed for understanding personality and on applications for organizational processes.

This college course is a survey of the psychology of human life span development including intellectual, social, and emotional aspects of the normal individual and emphasizing human development. Various developmental theories will explain the physical, cognitive, and social changes that occur during the human lifespan. The course enhances the knowledge and understanding of people of all ages and the developmental tasks each person experiences.

This dual credit opportunity awards students who earn a passing grade 3 credits at any institution which is an affiliate of North Dakota State college or university system. Private university schools of North Dakota may or may not accept these course credits. The cost of this class is on a per credit basis.