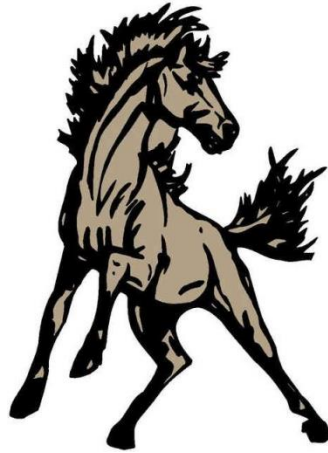


# Deary Junior-Senior High School



## 2020-2021 Course Catalog

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**Deary Jr.-Sr. High School**

**Course Catalog: 2020-2021**

Revised 8/28/19

## TABLE OF CONTENTS

Attendance .....	3
Classes, Course Credits, Grading, and Fees .....	3
Scheduling .....	4
Senior Project .....	4
High School Graduation Requirements – State and District .....	4-5
Recommended Scheduling Progression .....	6
IDLA, IEN, College Credit, Dual Credit .....	7-8
On-line Learning Agreement.....	9

### Junior High Course Descriptions 10-11

Language Arts .....	10
Mathematics .....	10
Science .....	10
Social Studies .....	10
Fine & Performing Arts .....	11
Health & Physical Education .....	11
Additional / Support Courses .....	11

### High School Course Descriptions 12-17

Language Arts .....	12
Mathematics .....	12
Science .....	13
Social Studies .....	14
Fine and Performing Arts .....	14
Health and Physical Education .....	14
Professional Technical Education Courses .....	15-16
Business and Technology .....	15
Vocational Agriculture .....	16

### Student Planning Form 17

## ATTENDANCE

If our students are to find success in curricular and co-curricular programs, it is necessary that staff and students work to develop positive attitudes towards attendance. At Deary, we believe that well-planned classes provide learning opportunities for students. If a student is absent, he/she is losing out on those educational opportunities. Many times it is impossible to make-up the exact “missed” experiences, at least in their entirety, and to gain from this learning experience to the same degree that a student would through class interaction.

### *Objectives*

1. *To increase the sense of personal responsibility for students.*
2. *To emphasize the importance of the student-teacher-parent relationship.*
3. *To build a sense of trust between the student, the school, and the home, yet to be firm enough that the student is not allowed to develop careless attendance habits.*

Students are expected to be in school all day each school day unless there is a legitimate, excused absence. The basic attendance policy of the Whitepine School District is expressed in the requirements of Idaho School Attendance Law, Sections 33-201, 33-202, 33-204, 33-205, 33-206, 33-207, and 33-208 of the Idaho Code.

To comply with the State’s rule requiring students to be in attendance at least 90 percent of the time to receive credit, Deary treats each of the first nine (9) absences the same and none are exempt from being counted against the attendance requirement. When a student reaches the tenth absence, all absences will be evaluated to consider if extraordinary circumstances exist beyond the control of the principal and/or parents. **Students who have 10 or more absences and who have at least one (1) unexcused absence may not be granted credit for the affected course(s) regardless of other absences which may be considered extraordinary circumstances.** The loss of credit – regardless of the grade earned in the class by the student – would result in an “F” being posted on the student’s transcript. Students and parents/guardians may appeal this to the teacher of the affected class(es). Further appeals would be to (in order), the building principal, the superintendent, and the school board.

## CLASSES, COURSE CREDITS, GRADING, and FEES

Deary Junior-Senior High School is on the semester system. Students will be offered seven (7) classes per semester. Each semester is approximately 18 weeks in length. Each semester is divided into two quarters of approximately nine (9) weeks in length. Students receive a separate grade for each quarter which translates into a semester grade. The semester grade is what appears on a student’s transcript.

Successful completion of a course earns the student one (1) credit. A full-time student passing all classes will earn seven (7) credits per semester and fourteen (14) per school year. Only high school credits count toward graduation.

**Middle School** students, by virtue of state law, need to pass a minimum of 80% of that year’s credits in order to be promoted to the next grade level (6-to-7, 7-to-8, 8-to-9). In a seven-period system, this means earning a minimum of 11 credits. Students are also not allowed to lose a full year of credit in one academic core area. This means that, if a student earns 11-of-14 credits, but both of the two missing credits are in, for example, math, the student would not be eligible for promotion. Students not meeting these criteria will be given an opportunity to recover credits or complete an alternate mechanism, as determined by the school, which will be similar to the process outlined above for high school students. Attendance is a factor in either the credit system or the alternate mechanism or both.

**High school** students, over four high school years, have the opportunity to earn up to 56 credits in a seven-period system. Students need 48 high school credits for graduation. There are some specific requirements, outlined elsewhere in the course catalog and the student handbook. A student must meet the graduation requirements set forth when he/she first enters the high school in the 9<sup>th</sup>-grade unless changes have been made at the state level. Students transferring in from other states/districts must also meet Idaho / Whitepine requirements. The method of meeting those requirements will be on a case-by-case basis based on what acceptable credits come to the school from the student’s previous district.

In order to become a member of each successive class, a student must earn a minimum number of credits per year. Those minimums are determined based on dividing the required graduation minimum of 48 credits by four (years). Those numbers of credits for class “status” are:

- 0-12, 9<sup>th</sup>-grade
- 13-24, 10<sup>th</sup>-grade
- 25-36, 11<sup>th</sup>-grade
- 37-above, 12<sup>th</sup>-grade

Students failing a course will be allowed to retake the course in classes based on a space-available criterion. If there is not room in the class after first-time students have been enrolled, students will need to make up the credit in another fashion. These methods may include, but not be limited to, an online course, summer school, or other methods.

Teachers are free to determine individually the method in which the semester grade is determined from the quarter grades, but are expected to communicate with students in each class at the beginning of each semester as to what that system will be.

There are many studies that indicate that, in some academic areas, students who pass a course with a “D” are at greater risk to fail in succeeding courses designed to build on that course. In some courses, students may be required to have earned a grade in a previous course within a specific range, such as a “C” or better, in order to take the succeeding course. A student earning a “D” would still earn credit for the course, but may have to repeat the course (for elective credit) to be allowed to advance. This may be appealed to the teacher and, if necessary, to the principal. The appeal should detail why a student should be allowed to advance despite the “D” grade. Most of these courses are in the areas of math and/or science and such courses are designated in the course descriptions in the “pre-requisite” portion of the description.

Some elective courses require fees to defray costs of materials needed to take the course. The fees will vary from course to course and, possibly, year-to-year. A list of fees is available from the main office, the guidance office, the teacher of the specific course upon request. There may be financial assistance for students as necessary. See the guidance office. Courses that may require fees will be so designated in the course descriptions.

## **HIGH SCHOOL GRADUATION REQUIREMENTS – STATE & DISTRICT**

The State of Idaho requires the following for a high school diploma. This is also a district requirement to graduate:

1. *Earn high school credits as required by the local district (see below).*
2. *Pass state tests showing achievement in basic skills and standards as determined by the State (ISAT test).*
3. *Successful completion of the Senior Project.*

The Whitepine School District requires a minimum of 48 credits for graduation. Students earn one (1) credit for each semester class successfully passed. Students need the following to earn a diploma of graduation from Deary High School:

<b>ACADEMIC AREA</b>	<b>SEMESTERS</b>	<b>SPECIFIC COURSES</b>
<b>Language Arts</b>	<b>9</b>	<ul style="list-style-type: none"> <li>• Two (2) semesters each high school grade year (9-12), total of 8 credits</li> <li>• One (1) semester of Speech at Grade-10</li> </ul>
<b>Mathematics</b>	<b>8</b>	<ul style="list-style-type: none"> <li>• Eight (8) semesters for students. Two (2) of those semesters must be taken in student's senior year. Math Labs will not meet this requirement.</li> </ul>
<b>Science</b>	<b>6</b>	<ul style="list-style-type: none"> <li>• Two (2) semesters of Physical Science at Grade-9</li> <li>• Two (2) semesters of Biology at Grade-10</li> <li>• Two (2) semesters during Junior or Senior Year</li> </ul>
<b>Social Studies</b>	<b>5</b>	<ul style="list-style-type: none"> <li>• Two (2) semesters of United States History at Grade-10</li> <li>• Two (2) semesters of Government at Grade-12</li> <li>• One (1) semester of Economics at Grade-12.</li> </ul>
<b>Health</b>	<b>1</b>	<ul style="list-style-type: none"> <li>• One (1) semester of Health in Grade-10</li> </ul>
<b>Physical Education</b>	<b>2</b>	<ul style="list-style-type: none"> <li>• Taken anytime while in grades 9-12</li> </ul>
<b>Personal Finance</b>	<b>1</b>	<ul style="list-style-type: none"> <li>• One (1) semester in Grade 12.</li> </ul>
<b>Humanities</b>	<b>2</b>	<ul style="list-style-type: none"> <li>• Two (2) semesters from the following: Music Appreciation, Art, Spanish, or approved other course.</li> </ul>
<b>Technology</b>	<b>2</b>	<ul style="list-style-type: none"> <li>• Computer Applications-I, Grade-9,</li> </ul>
<b>Senior Project</b>	<b>Required</b>	
<b>Appropriate State tests</b>	<b>Required</b>	<ul style="list-style-type: none"> <li>• ACT/SAT by end of junior year (required beginning with Class of 2013)</li> <li>• Appropriate ISAT tests as designated by state</li> <li>• Civics Exam taken from grades 7 through 12</li> </ul>
<b>Electives</b>	<b>12</b>	<ul style="list-style-type: none"> <li>• As determined by student in consultation with the guidance counselor.</li> </ul>

## **SENIOR PROJECT**

Beginning with the graduating Class of 2013, graduation requirements from the State of Idaho as well as local Whitepine School District requirements will mandate that each student complete a senior project. The project at Deary High School will be comprised of the "5-P's" component system: proposal, (research) paper, product, portfolio, and presentation. Students must pass all five components in order to pass the project. The Family History Project is used to help fulfill some of these requirements and is a Whitepine School District 288 requirement. No academic credit is awarded for the project, but it must be passed for a student to graduate.

## **RECOMMENDED SCHEDULING PROGRESSIONS**

Middle School students will, generally, be scheduled using the following progression:

<b>6<sup>th</sup> GRADE YEAR</b>	<b>7<sup>th</sup>-GRADE YEAR</b>	<b>8<sup>th</sup>- GRADE YEAR</b>
<ul style="list-style-type: none"> <li>• Language Arts: English-6 – 2 semesters</li> <li>• Social Studies: Ancient World History – 2 semesters</li> <li>• Mathematics: 2 semesters</li> <li>• Science: 6<sup>th</sup>-General Science – 2 semesters</li> <li>• P.E. – 2 semesters</li> <li>• Health – 1 semester</li> <li>• STEM – 1 semester</li> <li>• Intro to Ag – 12 weeks</li> <li>• Music – 12 Weeks</li> <li>• Art Appreciation – 12 Weeks</li> </ul>	<ul style="list-style-type: none"> <li>• Language Arts: English-7 – 2 semesters</li> <li>• Social Studies: Civics &amp; Idaho History – 2 semesters</li> <li>• Mathematics: 2 semesters</li> <li>• Science: 7<sup>th</sup>-Life Science – 2 semesters</li> <li>• P.E. – 2 semesters</li> <li>• Health – 1 semester</li> <li>• STEM – 1 semester</li> <li>• Intro to Ag – 12 weeks</li> <li>• Music – 12 Weeks</li> <li>• Art Appreciation – 12 Weeks</li> </ul>	<ul style="list-style-type: none"> <li>• Language Arts: English-8 – 2 semesters</li> <li>• Social Studies: World Geography -- 2 semesters</li> <li>• Mathematics: 2 semesters</li> <li>• Science: 8<sup>th</sup>-grade Earth Science – 2 semesters</li> <li>• P.E. – 2 semesters</li> <li>• Health – 1 semester</li> <li>• STEM – 1 semester</li> <li>• Intro to Ag – 12 weeks</li> <li>• Music – 12 Weeks</li> <li>• Art Appreciation – 12 Weeks</li> </ul>
<p>*Middle School students who fall below 75% in Math may be pulled from an elective class to be enrolled in Math Lab. This decision will be made by the principal with input from the teacher &amp; counselor.</p>		

High School students will, generally, be scheduled using the following progression:

9 <sup>th</sup> -GRADE YEAR	10 <sup>th</sup> -GRADE YEAR	11 <sup>th</sup> -GRADE YEAR	12 <sup>th</sup> -GRADE YEAR
<ul style="list-style-type: none"> <li>• Language Arts: English-9 – 2 semesters</li> <li>• Mathematics: Algebra 1-2 semesters</li> <li>• Science: Physical Science – 2 semesters</li> <li>• Computer Applications – 2 semester</li> <li>• Physical Education – 2 semesters</li> <li>• 2 electives from those offered – 1 each semester</li> </ul>	<ul style="list-style-type: none"> <li>• Language Arts: English-10 – 2 semesters</li> <li>• Mathematics: Geometry 2 semesters</li> <li>• Social Studies: United States History – 2 semesters</li> <li>• Science: Biology – 2 semesters</li> <li>• Health (alternating with speech – 1 semester</li> <li>• Speech (alternating with health – 1 semester)</li> <li>• 2 electives from those offered – 1 each semester</li> </ul>	<ul style="list-style-type: none"> <li>• Language Arts: English-11 – 2 semesters</li> <li>• Mathematics: Algebra II – 2 semesters</li> <li>• Science: optional – 2 semesters</li> <li>• 4-8 semesters of electives to complete schedule.</li> </ul>	<ul style="list-style-type: none"> <li>• Language Arts: English-12 – 2 semesters</li> <li>• Mathematics; Pre-Calculus or Technical Algebra - 2 semesters</li> <li>• Science: optional – 2 semesters</li> <li>• Social Studies: American Government – 2 semesters</li> <li>• Economics – 1 semester</li> <li>• Personal Finance – 1 semester</li> <li>• 4-6 semesters of electives for complete schedule.</li> </ul>

**General Elective Availability**

Digital Technology Conditioning/P.E Music Intro to Agriculture Animal Science Art Math Lab	Conditioning/P.E. Music Intro to Agriculture Art Animal Science Math Lab	Welding Greenhouse Environmental Science Conditioning/P.E Music Yearbook Choir Fundamentals of Health Professions Medical Terminology Certified Nursing Assistant Life Sports	Welding Greenhouse Environmental Science Conditioning/P.E Music Choir Fundamentals of Health Professions Medical Terminology Certified Nursing Assistant Physical Therapy Aide Pharmacology Aide Teacher's Aide Life Sports
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**Online Learning**

**ONLINE COMPUTER LAB**

Distance learning courses (IDLA, Pro-Tech Academy Allied Health course, etc.) may be taken during the school day in the Online Computer Lab. In general, students are allowed to take online courses:

1. To make up credits in order to graduate on schedule
2. If they are eligible for hospital or homebound programs
3. If they are interested in advanced placement or dual credit courses
4. If they want to supplement their curriculum by taking a course not offered at the school
5. If there are otherwise irresolvable scheduling conflicts

Students should check with the guidance office to see if they are a good candidate for online learning options. Online learning is not appropriate for all students. Inappropriate online registrations usually lead to a failed class, behavioral issues and disruption of the student's academic progression through high school. Following is a summary of who may and may not take online classes:

### **REQUIRED FOR ONLINE CLASS ENROLLMENT**

1. A cumulative high school GPA of at least 3.00
2. A current grade of C in the four core academic areas
3. Completed the 9<sup>th</sup> grade (exceptions can be made for 8 in 6) also for JH/middle school credit recovery.
4. Turned in a **complete** application before the deadline\*
5. Approval of school counselor and principal
6. Pay \$75.00 enrollment fee per course.

The administration will only approve students who have proven themselves to be mature, self-motivated, well organized and comfortable with required interactive technology. Students should be independent learners, good time managers, and read and write at or above grade level.

\*Deadlines are the last school day of the prior semester. For example, applications must be completed by the last student school day in the spring semester for summer or fall classes, and the last student day of the fall semester for spring classes.

### **DISQUALIFICATIONS FOR ONLINE CLASS ENROLLMENT**

1. Already failed an online class,
2. Want to take a class currently offered at the high school
3. Haven't resolved a bill for a previous class and/or current class
4. To avoid taking a regular class (or one that satisfies the same graduation requirement) at school
5. A history of disruptive behavior that will detract from a quiet, independent learning environment
6. Failed to keep the Online Lab Contract while taking a previous class (attached).

Exceptions to these policies *may* be made for students who need to make-up a previously failed course (credit recovery) or to resolve a legitimate scheduling conflict and there is no other alternative. The principal and counselor will determine if any exceptions are to be granted.

IDLA courses will cost \$75.00 per semester credit. Students can withdraw from an IDLA class by the Drop Payment date (approximately 2.5 weeks into the course) without incurring fees. The Whitepine School District will pay online IDLA fees in the following situations:

1. The student is taking a class that is not offered at Deary High School.
2. The student takes the online class to resolve scheduling conflicts.
3. Any other situations as determined by the school administration.

Students must pay the fees for making up failed grades or to work ahead for early graduation. Students who drop an IDLA course after the Drop Payment date will be expected to pay for their course regardless of their initial reason for taking it.

Registration application and fees must be returned to the school BEFORE the student will be registered for the online class. If a student misses the IDLA deadline or if the class fills before registration is completed the student will not be able to take the desired class that term.

**The school district reserves the right to charge fees that might be necessary for fiscal reasons. If there is a change in this status, students and parents/guardians will be notified and given options from which to choose.** Some courses require fees for materials. In most cases, these will be the responsibility of the student.

### **Dual Credit (DC) and Advanced Placement (AP)**

Deary High School students may take Advanced Placement (AP) or Dual Credit (DC) classes online. HOWEVER, there are additional costs and responsibilities associated with these courses that are the student's responsibility.

A DC student is in fact a college student at the institution granting credit. Therefore, he/she must apply for enrollment at the college and pay the fees for the college credits. They must also observe the college's registration, withdrawal and finals deadlines. An AP student will have to pay for his/her AP final exam for college credit. DC and AP students might be required to pay for textbooks and additional materials.

All costs and requirements for college credit are the responsibility of the student, not Deary High School. It is the student's responsibility to know the various deadlines, rules and policies required at the college granting credit.

### **EXPECTATIONS**

Some students enjoy and do well in online classes. Some students do not enjoy them and do poorly. The difference is in how responsibly the student undertakes his/her online study. The student must remember that his/her teacher is their online teacher and that is where they turn for help. They must do all of their assignments, not just the easy ones. They must report any technical difficulties immediately—these will not go away on their own. They must keep up with course units and deadlines to finish and pass the course. Be aware that the IDLA server records when you sign in, how long you are signed in, how long you spend on reading assignments and every key stroke. The teacher, lab supervisor and site coordinator all know if the student is working or not.

To ensure success, students taking an online class at Deary High School are held to the same rules and standards as all other classes: role is taken, tardies are counted, students may not leave class without permission, time must be used constructively, computers must only be used for appropriate educational purposes, and students must comply with the rules and requests of the computer lab supervisor.

## **DHS Online Learning Agreement**



Online learning provides students with the opportunity to take classes that would otherwise be unavailable to them, as well as make up failed classes and take classes to resolve scheduling conflicts. However, students are advised that only students with good learning habits will be successful. Success in an online class requires consistent commitment, attention and effort on the part of the student. Online learning also requires an investment of time, resources and personnel on the part of the school. The purpose of this agreement is to:

- 1) Inform you of what you can expect from Deary High School to support you in your online class.
- 2) Outline what is expected of you as an online student.

### **SUPPORT FOR ONLINE LEARNERS**

Deary High School will:

- 1) Provide the student with a computer and server access.
- 2) Provide technical support to resolve software/hardware difficulties.
- 3) Provide a period in the students schedule to work on their online class.
- 4) Provide a staff member to support them during their time in the lab.

### **EXPECTATIONS FOR ONLINE LEARNERS**

The student will:

- 1) Be to class on time. Role IS taken. You must stay in class.
- 2) Work diligently. You must work on your online class. You may not elect to do it later. You will keep up.
- 3) Work quietly. Do not disturb others. This is not a social hour so don't chat.
- 4) Use computers appropriately. Work on your assignments only. DO NOT play games, surf, stream music/videos, etc. Your computer IS monitored and your history IS recorded. You signed a computer use agreement and it will be enforced.
- 5) Do your own work. Remember that your computer use is monitored. Also, online providers have ways to search your work for material that has been "borrowed" and pasted. Many have been caught cheating. If you cheat you will receive a zero and may be removed from the class.
- 6) Use time effectively. You might have days in the lab before or after your online class is in session. You might finish a course unit before the next one is available to start. Take advantage of this study time. Read your English novel or work on assignments. Always bring something to do.
- 7) Comply with all computer lab rules and requests by the lab supervisor. Rules and supervisor requests are to optimize the learning potential for everyone in the lab and must be followed. Comply, don't complain or negotiate.
- 8) A student taking an online class will have until the half-way point (determined by the scheduled term) of that class to withdraw. After this half-way point the student will be expected to finish the class and receive whatever grade is earned. Students will not receive semester credit for one quarter of work.

**Violation of these behavior expectations, as determined by the supervising Deary staff member, could result in the student being removed from the online course with a grade of "F".**

**We understand and agree to all of the guidelines outlined above, as indicated by our signatures below.**

_____	_____	_____
Student's Printed Name	Class Period	Name of Course
_____	_____	_____
Student Signature	Date	Parent

## LANGUAGE ARTS

**7<sup>th</sup>-GRADE ENGLISH (two semesters):** *required.* Students will develop strong written and oral communication skills through vocabulary, spelling, grammar, and writing projects. Students will work on becoming stronger readers through classroom novels, as well as SSR books of their own choosing.

**8<sup>th</sup>-GRADE ENGLISH (two semesters):** *required.* Students will learn to further develop oral and written communication skills through different means, i.e., vocabulary, spelling, grammar, and writing projects. Students will also be exposed to different forms of literature through classroom books as well as outside novels.

## MATHEMATICS

**7<sup>th</sup> GRADE MATHEMATICS (two semesters):** This course will provide an intermediate level mathematics course needed for moving to the pre-algebra level the following year. Topics of discussion will include the set of real numbers (fractions, integers, and decimals) and their operations; basic algebra (writing, reading, and interpreting algebraic expressions and equations); measurements (both the customary and metric); and some basic geometry (including terminology, use of compass and protractor, and the discussion of length, volume, area, and concept of three-dimensional figures).

**8<sup>th</sup> Grade Math:** 8<sup>th</sup> grade math is a two-semester course focusing on three critical areas. Instruction time will focus on formulating and reasoning about expressions and equations, modeling an association in bivariate data with a linear equation and solving linear equations and systems of linear equations. Understanding the concept of function and using functions will be a main focus. The course will also focus on analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence and understanding and applying the Pythagorean Theorem.

*Prerequisite: successful completion of 7<sup>th</sup> Grade Math and placement by math protocols*

## SCIENCE

**7<sup>th</sup> GRADE LIFE SCIENCE (2 semesters required for grade advancement):**

This course provides an overview of the scientific process, historical scientists and their contributions to Life Science, the exploration and classification of living organisms, cells and heredity, and the diversity of life. Laboratory explorations may include dissections.

**8<sup>th</sup> GRADE EARTH SCIENCE (2 semesters required for grade advancement):**

This course provides a review of the scientific process, historical scientists and their contributions to Earth Science, the structure and function of Earth's systems, Earth's history, and Earth's place in the universe. Includes lab explorations.

## SOCIAL STUDIES

**8<sup>th</sup>-GRADE SOCIAL STUDIES: World Geography & Cultures – Eastern Hemisphere and Western Hemispheres (two semesters):** (*Grade 8*); *required course for all 8<sup>th</sup>-graders.* Students will learn the five themes of geography for a variety of worldly regions. The students will also learn about other cultures and see how they may relate/compare to their own.

**7<sup>th</sup>-GRADE SOCIAL STUDIES (two semesters):** (*Grade 7*); *required course for all 7<sup>th</sup>-graders.* Students will study Civics for one semester and Idaho History for one semester.

## FINE & PERFORMING ARTS

**INSTRUMENTAL MUSIC: GRADE LEVEL 7-12**

Duration: Two semesters (may be repeated)

Prerequisite: Permission of instructor or enrollment previous year

Description: A course of study in performance of band literature and genres including marching, concert, jazz, and pep. Preparation and performance of music for concerts, sports events, and festivals. Emphasis on classical, jazz, and popular genres. Continued training in technique, music theory and musicianship. Several performances are required for grade.

## **HEALTH & PHYSICAL EDUCATION**

**7<sup>th</sup>-GRADE PHYSICAL EDUCATION (two semester):** *junior high school requirement.* Students will be introduced to physical education programs that will improve the students' knowledge, skills, behaviors, and confidence to be successful.

**HEALTH (FC 0030) (one semester):** *(Grade7-8) junior high school requirement.* Course helps students in areas of personal development, careers, family relationships, nutrition and foods, personal finances, personal living space, wellness, communicable and non-communicable diseases, our growing body, body systems, drugs, tobacco, alcohol, personal safety, and first aid.

**8<sup>th</sup>-GRADE PHYSICAL EDUCATION (one semester):** *junior high school requirement.* Students will be introduced to physical education programs that present high quality activities as well as the knowledge skills, behaviors, and confidence to be successful.

## **ADDITIONAL / SUPPORT COURSES / ELECTIVES**

**KEYBOARDING:** Students will work through an interactive online program to learn and practice the correct fingering and posture for touch typing and to increase their speed and accuracy. Students will also have the chance to put their typing skills to use with some basic computer applications projects

**PATHWAYS TO SUCCESS:** Pathways to Success is a course designed to help the students learn important skills to be successful in both school and life including goal setting, study skills, dealing with the pressures that teens face, and planning for a future career. It also covers skills needed to navigate in the 21st Century including communication, Internet usage and safety, and digital citizenship.

### **Jr High Ag**

**One Semester**

**7<sup>th</sup> Grade Ag:** Students will explore the world of agriculture from "Farm to Fork".

**8<sup>th</sup> Grade Ag:** Students will expand their knowledge of agriculture and explore the opportunities available through FFA and high school ag courses.

## **SENIOR HIGH SCHOOL COURSE DESCRIPTIONS**

### **LANGUAGE ARTS**

**ENGLISH-9 (two semesters):** *graduation requirement.* This is the required English class for all freshman students. Students will study elements of fiction, write in a variety of genres, and practice basic research skills. Grammar will also be integrated into the writing instruction, specifically documented research and literary response.

**SPEECH (one semester):** *(grade 10) graduation requirement.* Students will learn the components of various types of speaking, including, but not limited to informative, persuasive, expository, and debate. Students will the various formats and techniques of preparing and delivering a speech.

**ENGLISH-10 (two semesters):** *graduation requirement.* This is the required English class for all sophomore students. Students will study different genres, including drama, through reading a variety of world literature. Grammar will be integrated into the literature and writing instruction.

**ENGLISH-11 (two semesters):** *graduation requirement.* This is the required English class for all junior students. Students will study American literature, both fiction and nonfiction, with an emphasis on literary/artistic movements and how philosophical thought influenced each era. Students will write in a variety of genres including literary response and documented research. Grammar will be integrated into the writing lessons. There is an emphasis on analytical and evaluative skills.

**ENGLISH-12 (two semesters):** *graduation requirement.* This is the required course for high school senior students. The course focuses on world literature, with an emphasis on British literature. Students will analyze and evaluate the influences (i.e. philosophical, political, religious, ethical and social) of historical periods that shaped the characters, themes, plots, and settings of different writings.

**TECHNICAL ENGLISH 12:** Technical English will focus on practical, technical, professional writing for the workforce or other post-graduation goals. Reading will emphasize non-fiction, while writing assignments will largely be based on practical career applications. Significant projects throughout the year will include investigating job and career options and executing in-depth, documented research.

## **MATHEMATICS**

**Algebra 1** (Grade 9): Algebra 1 is a two semester course designed to formalize and extend the mathematics students have learned in the middle grades and provide a foundation for all other upper level math courses. This course focuses on concepts, skills and problem solving with expressions, equations and functions, solving and graphing linear equations and systems (including inequalities and nonlinear systems), exponential functions and quadratic functions. Students will explore, compare and contrast, and apply other types of functions, domain and range, and sequences. Instructional time will also include fitting models to data and applying statistical analysis. *Prerequisite: successful completion of 8<sup>th</sup> Grade Math and placement by math protocols.*

**Theoretical Algebra 2:** Algebra 2 is a two semester course designed to build on prior work with linear, quadratic and exponential functions and prepare students for success in advanced high school math and dual credit courses. Students extend their understanding of functions to include polynomial, rational, and radical functions. They model situations and solve equations, including solving quadratic equations with complex solutions and expanding their understanding of exponential functions to include logarithmic functions and properties. Instruction includes work with trigonometric ratios and circles, as well as, modeling periodic phenomena. Analyzing probability and making inferences based on statistics is explored in context. *Prerequisite: successful completion of Algebra 1 and placement by math protocols.*

**Algebra Lab** (Grade 9-10): Algebra Lab is a two semester course designed to provide additional support and extended mathematics instructional time to complement the concepts developed in the Algebra 1 class. The goal is to provide intensive support so that all students can reach college and career readiness by the end of 11<sup>th</sup> grade. The course will be follow the sequence of the Algebra 1 course closely, while allowing time to further develop necessary prerequisite skills, preview upcoming big ideas, and thoroughly review and process previously taught concepts.

**Technical Algebra:** Technical Algebra is a two semester course designed to provide real life applications for essential algebra concepts and skills. The first semester will focus on number sense, algebra concepts, measurement, ratio and proportion, graphing linear equations, solving systems of equations, factoring and solving quadratic equations. The second semester will focus on solving radicals, exponential and logarithmic functions, geometry applications, advanced trigonometry, vectors and statistical applications. There will be a large number of applications from a wide variety of technical areas. *Prerequisites: successful completion of Algebra 1. (Students may earn dual credit for Math 103 and Math 137 for successful completion of Technical Algebra.)*

**PreCalculus:** PreCalculus is a two semester course that emphasizes functions, circular trigonometry and multilevel problem solving as preparation for calculus. Functions are treated as mathematical entities, including domain, range, algebraic operations, composition, inverses, and graphing. Polynomial, logarithmic, exponential, trigonometric, inverse trigonometric, radical and rational functions are explored. Algebraic techniques include division of polynomials, roots of polynomials, theory of equations and inequalities, complex numbers and DeMoivre's Theorem, the Fundamental Theorem of Algebra and solving systems of linear and nonlinear equations. Trigonometric identities are derived, proven, and applied. Polar coordinates, vectors and oblique triangles are introduced and used in a variety of applications. Analytic geometry focuses on circles, parabolas, distance and midpoints. *Prerequisites: successful completion of Theoretical Algebra 2. (Students may earn dual credit for Math 147 (5 credits) for successful completion of PreCalculus.)*

**CONSUMER ECONOMICS AND PERSONAL FINANCE (Grade 12):** Consumer Economics & Personal Finance is a two semester course that emphasizes basic economic and financial concepts related to the students' roles as consumers, producers and citizens. Core economic concepts include developing knowledge of scarcity, choice, opportunity cost, productivity, economic systems, markets, prices, supply, demand, competition and international economics. Core financial concepts include ideas, skills and problem solving with career choices, gross and net income, taxes, financial planning, budgeting, recordkeeping, banking, checking and savings accounts, investments, charge and credit cards, loans, housing costs and insurance. *Prerequisite: two years of successful completion of high school math.*

### **FOREIGN LANGUAGE (If available)**

**SPANISH 1** (two semesters), elective credit: This class will give students a beginning knowledge of Spanish vocabulary and grammar as well as an appreciation for the diverse cultures of Spanish-speaking countries. Students will take part in a variety of reading, writing, speaking, and listening games, projects, and activities. They will also have the chance to investigate aspects of various Spanish-speaking countries.

**SPANISH II:** (two semesters), elective credit: This class reviews Spanish I content and then continues to build Spanish vocabulary and grammar. Students will take part in a variety of reading, writing, speaking, and listening games, projects, and activities. They will also have the chance to investigate aspects of various Spanish-speaking countries.

### **SCIENCE**

#### **PHYSICAL SCIENCE (2 semesters required) (grade 9)**

This course provides a review of the scientific process, historical scientists and their contributions to Physical Science, and provides an introduction to the concepts of matter, energy, motion, forces, electricity, and chemistry. Lab explorations include design and use of models

#### **BIOLOGY (2 semesters required) (grade 10):**

This course provides a review of the scientific process, historical scientists and their contributions to Biology, and provides students with a detailed introduction to the methods and concepts of general biology, including cellular biology, genetics, evolution, taxonomy, microbiology, botany, zoology, ecology, and human anatomy. Concepts are reinforced with an emphasis on laboratory experiences and the integration of all sciences. Laboratory explorations include dissections.

**ENVIRONMENTAL SCIENCE (2 semester elective) (grades 11-12):**

This course provides an overview of Environmental Science and looks at current environmental issues including historical figures and laws. It provides students with an overview of water & air pollution, climate change, natural resources, and how humans impact the environment. Includes lab explorations and managing the school's recycling program.

**ANATOMY AND PHYSIOLOGY (2 semester elective) (grades 11-12):**

**Pre-requisite:** *Completion of Biology with a grade of "B".* This is a college preparatory course designed to prepare students for a career in the medical field. Topics include organization, anatomy, and physiology of the human body and its systems, aging, and human health. Laboratory explorations include dissections. End of Course test is required in this course.

**CHEMISTRY (two semester elective) (Grades 11-12)**

**Pre-requisite:** *Completion of Biology with a grade of "B" or better; or completion of Chemistry or Physiology with a C or better; or permission of the instructor required if previous criteria are not met.* This lab science course involves the study of matter, atoms, compounds, elements, molecules, formulas, equations, reactions, moles, masses, stoichiometry and other related chemistry topics. This is a college prep course and students will be prepared for entering expected college level chemistry classes.

**PHYSICS (two semester elective) (Grades 11-12)**

**Pre-requisite:** *Completion of Biology with a grade of "B" or better; completion of Chemistry or Physiology with a grade of "C" or better; permission of the instructor required if previous criteria are not met. Ability to do and work with higher level math is helpful as well as a desire and ability to design and create projects and structures.* Students will study and use various concepts including motion, projectiles, forces, wave motion, light and optics, and electricity. They will design and use models and structures to explain concepts and systems.

**SOCIAL STUDIES**

**UNITED STATES HISTORY (two semesters): (Grade 10) graduation requirement.**

The course is a chronological and topical examination of the United States and its political, cultural, and technological advances from pre-colonial times up to the present.

**AMERICAN GOVERNMENT (two semesters): (Grade 12) graduation requirement.**

The course is an examination of American Government, its structure and functions, and the rights, privileges, and responsibilities of the individual in the American democratic society.

**WORLD HISTORY (two semesters): (Grade 9)**

The course is a chronological and topical examination of the World's History and Social, Political, Cultural, and Technological advances.

**FINE AND PERFORMING ARTS**

**INSTRUMENTAL MUSIC: GRADE LEVEL 7-12**

Duration: Two semesters (may be repeated)

Prerequisite: *Permission of instructor or enrollment previous year*

Description: A course of study in performance of band literature and genres including marching, concert, jazz, and pep. Preparation and performance of music for concerts, sports events, and festivals. Emphasis on classical, jazz, and popular genres. Continued training in technique, music theory and musicianship. Several performances are required for grade.

## **MUSIC APPRECIATION: GRADE LEVEL 9-12**

Duration: One semester or one year

Prerequisite: None

Description: Students will have the opportunity to develop an appreciation for music of all kinds. This course explores music theory and analysis, history, and cultural topics through academic study and research. No performances are required.

## **VOCAL MUSIC: GRADE LEVEL 9-12 AS AVAILABLE**

Duration: Two semesters (may be repeated)

Prerequisite: *Permission of instructor or enrollment previous year*

Description: A course of study in performance of choral literature. Preparation and performance of music for concerts, sports events, and festivals. Emphasis on classical, jazz, and popular genres. Continued training in technique, music theory and musicianship. Several performances are required for grade.

## **EXPLORATION OF ROCK AND ROLL: GRADE LEVEL 9-12 AS AVAILABLE**

Duration: Two semesters (may be repeated)

Prerequisite: *None*

Description: A course of study in the history and definition of rock and roll music. This course will focus on Rock and Roll history, but will also include an introduction to common instruments used in this genre.

## **HEALTH AND PHYSICAL EDUCATION**

**PHYSICAL EDUCATION (one semester; may be repeated):** *(Grades 9); a minimum of two semesters of Physical Education is required to graduate; semesters in excess of two may be taken for elective credit.* This class will be a combination of lifetime fitness and sport activity. Students will implement high quality physical education programs that can provide them with the knowledge, skills, behaviors, and confidence to be physically active for life.

**STRENGTH-&-CONDITIONING (one semester; may be repeated):** *(Grades 10-12); may be taken as elective credit or to help satisfy the physical education graduation requirement; Pre-requisite: teacher permission and successful completion of a minimum of one semester of high school P.E.* In this highly specialized class, students need to be serious about improving their strength and speed. The strength program is primarily based on Olympic free weight lifts. Speed training will focus on getting stronger, developing power, and improving running form, agility, and foot speed. Flexibility will also be a component of this course.

### **LIFETIME HEALTH: (one semester – Grade 10) Required**

This course is designed to prepare individual students with the basic principles of physical, emotional, and mental well-being. Key content includes personal health and wellness, risk taking, relationships, stress management, coping with loss, violence abuse and prevention, understanding legal and illegal drug use, and CPR/First Aid Certification.

### **Life Sports: (one semester – may be repeated) Grade 11-12**

This course is designed to teach students how to be physical active after high school sports. Individual sports will be introduced that they could play for a life time. Those sports could include golf, tennis, mountain biking, archery, bean bag toss, badminton, pickle ball, bowling, bocce, horseshoes, Frisbee golf, ladder ball and speedmitton.

## **BUSINESS AND TECHNOLOGY**

**BUSINESS COMPUTER APPLICATIONS I** (Grade 9): Business Computer Applications I is a one semester course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics

include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents, the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations.

**PUBLISHING I** – Is a one semester course designed to develop proficiencies in the planning, designing, and development of business and promotional documents (newsletters, magazines, advertisements, etc.) using industry standard pagination and graphic design software. Identification of client needs and consideration of the intended audience direct the work students engage in as they combine appropriate text, graphics and design concepts to communicate the desired message effectively. Publishing careers will be examined.

**ADVANCED PUBLISHING/YEARBOOK:** This course is designed to build on the skills acquired in Publishing I. Students plan, design, and develop complex documents and develop enhanced graphics while using journalistic principles and design concepts to communicate the intended message of the publication. This course will also utilize publishing skills for the creation and publication of a complex publication, the school yearbook. Planning and design principles will be used to analyze and organize information, select and create visuals, and develop a design structure. Organizational and professional skills will be developed through team projects in which students prioritize project components and present the final product to its intended audience.

**VIDEO BROADCASTING (two or more semesters):** (Grades 19-12) elective. Pre-requisite: Minimal computer experience. Basic video communication and journalism skills are used to create presentation video assignments. Programs used include but are not limited to Final Cut Pro, Motion, DVD Pro and Live Type and Adobe Premier. Assignments include but are not limited to: news spots, documentaries, commercials, infomercials and safety videos.

**PHOTOGRAPHY (two or more semesters):** (Grades 9-12) elective. Pre-requisite: Minimal computer experience is needed but knowledge of camera basics is helpful. This course in modern digital photography has students using and understanding the components of scanning, taking, downloading and manipulating digital and film images. The basics and advanced techniques of Photoshop and photography are taught and used along with some history of photography

### **VOCATIONAL AGRICULTURE COURSES**

#### **Introduction to Agriculture/Personal Skills**

**Two Semesters**

**Prerequisite: None**

A comprehensive course in developing agricultural leadership, citizenship, and cooperation. It includes topics in personal development, employee/employer relations, and group and individual interpersonal communication skills. Students will explore several Career Development Events available through FFA, Agriculture industry, and wood shop skills.

#### **Welding (Beginning and Advanced)**

**Two Semesters**

**Prerequisites: Introduction to Agriculture**

A general course in beginning agriculture welding which includes study in the following areas: shop safety and operation, tool identification and use, gas welding and cutting, basic arc welding.

Advanced welding is designed students to develop their welding skills. This course includes study in the following areas; safety practices; principles of arc welding; principles of MIG welding; and practice in welding techniques.

#### **Agriculture Fabrication and Structures**

**Two Semesters**

**Prerequisites: Introduction to Agriculture, Welding**



Agriculture Fabrication is designed to allow students to apply welding skills to create metal and wood projects. Students will focus on project design and bill of material preparation. This course is designed for more advanced students who wish to work on special projects.

**Plant Science/Greenhouse**

**Two Semesters**

**Prerequisite: Introduction to Agriculture Education**

A course designed to explore the world of plant science including crops, floriculture, and horticulture. Students will work hands on with the greenhouse and help develop a year-long growing schedule, planting, fertilizers, maintenance, marketing, and sales of plants.

**Forestry/Fish and Wildlife Science**

**Two Semesters**

**Prerequisite: Introduction to Agriculture**

A course designed to examine the importance of fish and wildlife science, outdoor recreation and natural resources. During this class you will explore environmental and ecological concepts, fish and wildlife populations, aquaculture, and hunting and fishing regulations. Students will be using the outdoor classroom to practice skills learned in the classroom.

**Animal and Vet Science**

**Two Semesters**

**Prerequisite: Introduction to Agriculture** The course is designed to develop a basic understanding of the animal science industry. Students will expand their knowledge of animal production systems, health, feeding, anatomy, and management. Students will be exposed to veterinary science and principles which include anatomy, physiology, animal health and disease, dentistry and laboratory procedures.

## Deary Senior High School Planning Form

**STUDENT'S NAME** \_\_\_\_\_ **EXPECTED GRAD YEAR** \_\_\_\_\_

**HIGH SCHOOL PLAN / RESULTS**

9 <sup>TH</sup> -GRADE Year: _____	GRADE	10 <sup>TH</sup> -GRADE Year: _____	GRAD E	11 <sup>TH</sup> -GRADE Year: _____	GRADE	12 <sup>TH</sup> -GRADE Year: _____	GRADE
English-9a		English-10a		English-11a		English-12a	
English-9b		English-10b		English-11b		English-12b	
Math-a:		Math-a:		Math-a		Math-a	
Math-b:		Math-b:		Math-b		Math-b	
Phys. Sci.-a		Biology-a		Science-a		Science-a	
Phys. Sci.-b		Biology-b		Science-b		Science-b	
Comp. Apps.		U.S. History				Government-a	
Comp. Apps.		U.S. History				Government-b	
H.S. P.E.		Health				Economics	
H.S. P.E.		Speech				Personal Finance	

<b>CREDITS</b> Year/total to date		<b>CREDITS</b> Year/total to date		<b>CREDITS</b> Year/total to date		<b>CREDITS</b> Year/total to date	

**HIGH SCHOOL CREDIT CHECK-OFF (48 needed to graduate.)**

<b>Language Arts (9.0):</b> _____	<b>Mathematics (8.0):</b> _____	<b>Science (6.0):</b> _____
<b>Social Studies (5.0):</b> _____	<b>Health (1.0):</b> _____	<b>Humanities (2.0):</b> _____
<b>Physical Ed. (2.0):</b> _____	<b>Technology (2.0):</b> _____	<b>Electives (12.0)+ :</b> _____
<b>Senior Project (0.0):</b> _____	<b>ISAT tests (0.0):</b> _____	<b>Personal Finance (1):</b> _____
<b>Standardized Tests (0.0):</b> _____		