



# Dickinson High School

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## Registration Guide

Fall 2011

979 Avenue West

Dickinson High School - Dickinson, North Dakota

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Director of Curriculum and Professional Development

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Business Manager and Director of Personnel

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Dickinson High School, Principal

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DPS Website: [://www.dickinson.k12.nd](http://www.dickinson.k12.nd).

DHS Website: [://www.dickinson.k12.nd.us/](http://www.dickinson.k12.nd.us/)

This guide describes the high school course offerings of the Dickinson High School. It is to be used in conjunction with the *Career Planning Guide (enclosed)*. Students will find that careful review of both sources will provide valuable information as they define their career goals and make their course selections.

It is strongly recommended that each student in consultation with their parents and counselor complete the tentative four-year plan of courses starting on page 13 of this guide. The plan can then be updated each year as desired to meet the individual student's needs or career goals.

The Dickinson Public Schools is an Equal Opportunity Employer and does not discriminate on the basis of race, color, religion, national origin, sex, age, disability or non-disqualifying handicap in its education programs/activities and employment practices. The Dickinson Public Schools seek to provide access to all its programs for those interested persons who might have a variety of handicapping conditions. This includes those with impaired vision and hearing loss.

If you have concerns or need information regarding the existence and location of services, activities, and facilities that are accessible, please contact the Central Administration office, at (701) 456-0002.

*For further information concerning the Registration Guide, please contact the following school personnel:*

### Dickinson High School (Grades 9-12)

Mr. Ron Dockter Principal	701-456-0030	Mr. Mark Breen ISS Supervisor	456-0030
Mr. Calvin Dean Assistant Principal	701-456-0030	Mr. Chris Coates ISS Assistant	456-0030
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# NCAA FRESHMAN-ELIGIBILITY STANDARDS QUICK REFERENCE SHEET

## KNOW THE RULES:

### Core Courses

- **NCAA Division I requires 16 core courses as of August 1, 2008.** This rule applies to any student first entering any Division I college or university on or after August 1, 2008. See the chart below for the breakdown of this 16 core-course requirement.
- **NCAA Division II requires 14 core courses.** See the breakdown of core-course requirements below. Please note, Division II will require 16 core courses beginning August 1, 2013.

### Test Scores

- **Division I** has a sliding scale for test score and grade-point average. The sliding scale for those requirements is shown on page two of this sheet.
- **Division II** has a minimum SAT score requirement of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the four sections on the ACT: English, mathematics, reading and science.
- **All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.**

### Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- **Be sure** to look at your high school's list of NCAA-approved core courses on the Eligibility Center's Web site to make certain that courses being taken have been approved as core courses. The Web site is [www.eligibilitycenter.org](http://www.eligibilitycenter.org).
- **Division I** grade-point-average requirements are listed on page two of this sheet.
- **The Division II** grade-point-average requirement is a minimum of 2.000.

#### **DIVISION I 16 Core-Course Rule**

##### **16 Core Courses:**

- 4 years of English.
- 3 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).

#### **DIVISION II 14 Core-Course Rule**

##### **14 Core Courses:**

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 2 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 3 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).

**PLEASE NOTE:** Beginning August 1, 2013, students planning to attend an NCAA Division II institution will be required to complete 16 core courses.

## SAT and ACT Differences

(ACT is accepted by all colleges in North Dakota)

### SAT

No Science  
No Trigonometry section  
Vocabulary emphasized  
Non multiple-choice questions included  
Guessing penalty  
No English grammar  
Math accounts for 50% of your score  
Questions go from easy to hard in most  
Sections  
All your SAT scores reported to colleges  
YOU CHOOSE

### ACT

Science reasoning section  
Math sections include Trigonometry  
Vocabulary less important  
Entirely multiple-choice  
No guessing penalty  
English grammar tested  
Math accounts for 25% of your score  
Easy & hard questions mixed within  
sections  
Report scores only from the test dates

All students must understand that NCAA requirements are subject to change. Students must plan early in their high school career (sophomore level) to adequately plan course work and set grade point average goals.

## SCHOOL ORGANIZATIONS AND CLUBS

The following clubs, activities, and organizations are available to all students:

Academic Club	Football	STLF (Students Today Leaders Forever)
Art Club	Golf (Boys & Girls)	Student Congress
Baseball	Gymnastics	Student Council
Basketball (Boys & Girls)	Hockey (Boys & Girls)	Swimming (Boys & Girls/co- op with Williston)
Best Friends	Math Club	Tennis (Boys & Girls)
Cheerleading	Medical Explorers	Track & Field (Boys & Girls)
Chronicle	National Honor Society	TSA (Technology Student Association)
Close Up	Peer Mediators	Volleyball
Cross Country (Boys & Girls)	Pep Band	Wrestling
Dic Dak (Yearbook)	SADD (Students Against Destructive Decisions)	
Drama Club	Science Club	
Fast-Pitch Girls Softball	Skills USA	
FBLA/Midget Market	Speech	
FFA		

## DICKINSON HIGH SCHOOL GRADUATION REQUIREMENTS

English .....	4 credits
Social Studies .....	3 credits
Science .....	3 credits
Mathematics .....	3 credits
Physical Education .....	1 credit
Life Skills .....	½ credit

Required .....	14 ½ credits
Electives .....	11 ½ credits

Total credits for graduation .....26 credits



### FOUR YEAR GRADUATION PROGRAM

#### 9TH Grade

Math	1
English	1
Physical Science	1
Physical Education	½
Early Civilization	½
Electives	4
TOTAL	8

#### 11th Grade

American Literature	½
Math Elective	1
English Elective-Comp	½
U.S. History	1
*Electives	4
TOTAL	7

#### 10th Grade

Math	1
English	1
Biology	1
Life Skills	½
Modern Nations	½
Electives	4
TOTAL	8

#### 12th Grade

Brit Lit/Mod. Lit	½
English Elective-Comp	½
Economic	½
Government	½
Electives	4
TOTAL	6

*\*1/2 elective credit required in Social Studies, Physical Education and Science to meet requirement in each subject area.*

## RECOMMENDED PROGRAMS

The American College Testing service recommends the following core curriculum for those students planning to go to college:

**English**, four years or more; **Mathematics**, three years or more; **Social Studies**, three years or more; **Natural Sciences**, three years or more; **Foreign Language**, two consecutive years.

All students who plan to attend a four year school in the North Dakota University System must have the following credits: 4 credits of English; 3 credits of Mathematics, Algebra I and above; 3 credits of Laboratory Science; and 3 credits of Social Studies. All North Dakota universities require the ACT exam for admission. Registration information is available in the guidance offices.

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AP stands for Advanced Placement. DHS offers six courses for the gifted and highly motivated students in the following:

<i>AP Biology</i>	<i>11<sup>th</sup> Grade</i>	<i>Mr. Jung</i>
<i>AP US History</i>	<i>11<sup>th</sup> Grade</i>	<i>Ms. Thorson, Mr. Ham</i>
<i>AP Economics</i>	<i>12<sup>th</sup> Grade</i>	<i>Mr. Michaelson</i>
<i>AP Literature</i>	<i>12<sup>th</sup> Grade</i>	<i>Mrs. Koppinger, Ms. Thorson</i>
<i>AP Calculus</i>	<i>12<sup>th</sup> Grade</i>	<i>Mrs. Mann</i>
<i>AP Chemistry</i>	<i>12<sup>th</sup> Grade</i>	<i>Mrs. Heiser</i>

In May, a test may be taken by students that may qualify them for college level credits. The present cost is \$87.00 per test.

Students can earn college credit by taking and passing an AP exam. Cost for the exam is \$87 and is the student's responsibility.

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The following courses are offered **as DUAL CREDIT** through Dickinson State University. The courses offered will vary from year to year. Only Juniors and Seniors can apply for dual credit.

AP Chemistry	AP Calculus	Spanish III, IV	Applied Psych
Welding III	Pre-Calculus	Advanced Speech	
Advanced Composition	Trigonometry	AP Biology	
Medical Terminology	AP US History	Modern Nations	

## GUIDE FOR USING CAREER CLUSTERS/PLAN OF STUDY

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### When selecting your classes for next year, consider:

- Your Career Plans
- Your Interests
- Your Educational Goals
- Your Abilities
- Your Academic Strengths
- Your Time Commitment to Extra Curricular Activities
- Your Part-Time Work
- Course Pre-Requisites
- Graduation Requirements
- College Preparatory Requirements
- Post-Secondary Technical Requirements

### How to use the Career Information:

- If you are unsure about your specific career, but you know the Career Cluster you are interested in:
  - Use Career Path to see examples of careers in that cluster
- If you are unsure of your specific Career Cluster or Path, but you know how much education you plan on pursuing after high school:
  - Use the Postsecondary programs related to the career clusters
  - Identify programs of interest under Associate Degree or less, Bachelors degree (4 years) and a Masters Degree (4+)
- If you know which classes you enjoy, and are interested in:
  - Look at the column under ND Career & Technical Education and other electives:
  - When you find a Plan of Study that has a group of classes you like, the career cluster that appears at the top is likely one that you should explore further.
- If you know which career you are preparing to enter,
  - Find the career listed or related career
  - Determine the Career Path and level of education







































## **ND Academic Scholarship Eligibility Requirements**

1. North Dakota resident student
2. Graduate from a high school in North Dakota or from a high school in a bordering state according to provisions set forth in ND Century Code 15.1-29
3. Complete Diploma Requirements
4. Complete all of the following course and grade requirements:
  - a. 1 unit Algebra II
  - b. 1 unit of mathematics for which Algebra II is a prerequisite
  - c. 2 units of the same foreign or Native American language
  - d. 1 unit of fine arts or career and technical education
  - e. 1 unit of a foreign or Native American language, fine arts or career and technical education
5. Obtain a grade of at least “C” in each unit or ½ unit required under the Diploma Requirements listed above
6. Obtain a cumulative grade point of at least “B”, with GPA rounded to the nearest hundredth for eligibility purposes
7. Receive a composite score of at least 24 on ACT
8. Complete 1 unit of an AP course and examination or a ½ or 1 unit dual credit course

## **ND Career and Technical Education Scholarship Eligibility Requirements**

1. North Dakota resident student
2. Graduate from a high school in North Dakota or from a high school in a bordering state according to provisions set forth in ND Century Code 15.1-29
3. Complete Diploma Requirements
4. Complete all of the following course and grade requirements:
  - a. 1 unit of Algebra II
  - b. 2 units of a coordinated plan of study recommended by the Department of Career and Technical Education. The coordinated plans of study can be viewed at: <http://www.nd.gov/cte/programs/career-dev/plans-of-study.html>
  - c. 3 additional units, 2 of which must be in the area of career and technical education
5. Obtain a grade of at least “C” in each unit or ½ unit required under the Diploma Requirements listed above
6. Obtain a cumulative grade point of at least “B”, with GPA rounded to the nearest hundredth for eligibility purposes
7. 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 Reading for Information, Locating Information and Applied Mathematics

*Deadline for scholarship application is June 7, 2011*

*An application form will be provided to all schools*

## **FAQ's for State Scholarship**

### **Who is eligible for scholarship application?**

1. Students earning a GED are not eligible for scholarship application.
2. Home educated students who have obtained a diploma from their local school district are eligible for scholarship application with verified documentation of all eligibility requirements.
3. Students receiving a diploma from the ND Center for Distance Education are eligible for scholarship application with verified documentation of all eligibility requirements.

### **In what courses does the student have to earn a "C" or better?**

The student must earn a "C" or better in all courses required for graduation. A grade of "C" has a grade point value of 2.00 on a 4.00 scale.

### **Are there guidelines for grading and cumulative GPA calculations?**

1. If a student earns a grade lower than a "C" in any course, the student may retake the course for a higher grade. If the student earns a "C" or better after retaking the course, the student will be eligible for scholarship application under these criteria. The GPA will be recalculated using the higher grade. A grade of "C" has a grade point value of 2.00 on a 4.00 scale.
2. A "Pass/Fail" grade does not meet application requirements. Any "Pass" grade must be converted to a letter grade and this grade must be documented on the official transcript.
3. GPAs must be calculated on a 4.00 scale. Weighted grading is not permitted for application purposes.
4. A cumulative GPA of at least a "B" requires a calculated cumulative GPA to be 3.00 or higher based on a 4.00 grading scale. GPA must be rounded to the nearest hundredth for eligibility purposes. For example, a grade point average of 3.56825 is rounded to 3.57. However, an average of 3.599875 is rounded to 3.6.

### **Does the student taking an AP course have to score a "3" or higher on the AP exam?**

Students must take an AP exam but they do NOT have to score a "3" or higher on the exam.

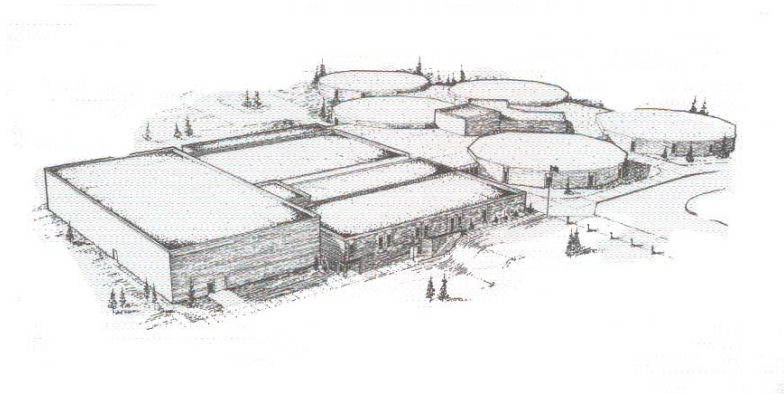
### **Does a student have to use the score from the state-administered ACT/WorkKeys assessments for scholarship eligibility?**

No. A student may use the score(s) earned on the state-administered assessment but if a student does not score 24 or higher on the ACT or does not earn three "5's" on the Work Keys assessments during that administration, he or she may use a qualifying score from another testing date.

### **After what semester is the GPA requirement for a "B" average calculated?**

The GPA requirement for "B" average, 3.00GPA, for scholarships is calculated after the 8th semester of coursework. (The final semester during senior year)

# Course Offerings



## **Core Classes**

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Language Arts  
Mathematics  
Physical Education  
Science  
Social Studies

## **Elective Classes**

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Alternative Classes  
Art  
Foreign Language  
Music  
Student Aide

## **CTE Classes**

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Agriculture  
Business/Office/  
Marketing  
Diversified  
Occupations  
Family and  
Consumer Science  
Technology and  
Trades

## **RR CTE Classes**

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Medical Terminology  
Health Careers I  
Health Careers II  
Business  
Entrepreneurship

## AGRICULTURE

Agriculture is the number one industry in North Dakota and the United States. Nearly 20% of the nation's work force is in an agricultural related career. A background in agriculture is beneficial since we live in a rural community and there are a number of agriculture related careers.

Elective Courses	Grade	Elective Courses	Grade
01063 App Plant & Soil Science	9,10,11,12	01021 App Animal Science	9,10,11,12
01054 Intro to Horticulture	9,10,11,12	01043 Ag Mechanics	9,10,11,12
01053 Floriculture/Landscaping	9,10,11,12	01044 Adv Ag Mechanics	10,11,12
01023 Equine Science	10,11,12	01068 Meat Processing	11,12

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**NOTE:** *The following Agriculture course will include leadership activities and supervised agricultural experiences.*

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### **Applied Plant & Soil Science, #01063** **1 credit**

*Grades: 9,10,11,12*

**Description:** This course introduces the student to job opportunities in forestry, botany, agronomy, entomology, and plant pathology. They will learn about the newest technology in soil fertilizers, crop chemicals, pesticides and how each affects our water and environment. This course will provide "hands on" experience in growing their own garden vegetables, mixing soils, and treating plant diseases.

### **Applied Animal Science, #01021** **1 credit**

*Grades: 9,10,11,12*

**Description:** This course introduces the student to the many career opportunities involved with animal science, vet. science, animal physiology, animal breeding, marketing, and genetics. Nutrition, pest control, biotechnology, communications, and personal growth will also be included.

### **Intro to Horticulture, #01054** **½ credit**

*Grades: 9,10,11,12*

**Description:** This course is designed to introduce the student to the many careers and opportunities associated with horticultural science. Practical "hands on" instruction in the greenhouse lab will include planting from seed, plant grafting, propagation and gardening. Care and maintenance of trees will also be included.

### **Agricultural Mechanics, #01043** **1 credit**

*Grades: 9,10,11,12*

**Description:** This course provides instruction in agricultural welding, electrical wiring, cold and hot metal work, oxy-acetylene welding, structures, communication and personal growth.

### **Floriculture/Landscaping, #01053** **½ credit**

*Grades: 9,10,11,12*

**Description:** This course is designed to prepare the student for the challenging careers of floral arranger and landscape designer. Communications, sales and service, advertising, sales techniques and leadership training are emphasized.

## Meat Processing, #01068

½ credit

Grades: 11,12

**Description:** An introduction to careers in the Meat Processing industry. Identifying and processing wholesale and retail cuts of beef, lamb and pork. Students will process and wrap using proper safety procedures. (*Prerequisites: Ag Mechanics or Animal Science*)

## Advanced Agricultural Mechanics, #01044

½ credit

Grades: 10,11,12

**Description:** This course is designed to reinforce and extend students' knowledge of Ag. Mechanics technologies. Areas of instruction include preparing students to maintain, evaluate, design and build agricultural structures. It further prepares students to analyze tractor maintenance and machinery needs. Leadership and career exploratory activities are also included. (*Prerequisites: Ag Mechanics*)

## Equine Science, #01023

½ credit

Grades 10,11, 12

**Description:** An introduction to careers in the Equine Science industry. Emphasis is placed on communication with horses. Be prepared to ride horses. Horses will be provided. (*Prerequisites: Applied Animal Science*)

## ART

Art provides varied courses to expand the student's interests and abilities through their own involvement in the creative process. Art gives students a lifelong set of skills, perspectives, and sensibilities they can use to observe, understand and relate to everyday experiences.

Elective Courses:	Grade	Elective Courses:	Grade
02025 Drawing I	9,10,11,12	02024 Multicultural Art	10,11,12
02025 Drawing II	9,10,11,12	02024 3-Dimensions/Sculpture	10,11,12
02024 Printmaking	9,10,11,12	02024 Advanced Art	11,12
02022 Color & Design	10,11,12	02024 Basic Photography	11,12
02024 Ceramics	11,12	02024 Advanced Photography	11,12
02024 Advanced Ceramics	11,12	02024 Art History	9,10,11,12

*NOTE: Some works of art may be used for displays, exhibits, and contests, which will be returned within two years.*

## Drawing I , #02025

1/2 credit

Grades: 9,10,11,12

**Description:** Drawing will emphasize the elements of art (line, form, space, shape, value, texture, color). Studies will be in class still life and/or outdoor settings. Local artists may be involved by demonstrating the talents and students will visit local galleries. (Media-graphite pencil, color pencil, oil pastel, soft pastel, charcoal, conte', scratchboard, etc.) *Prerequisites: Lab fee - \$20.00*

## **Drawing II, #02025**

**1/2 credit**

*Grades: 9,10,11,12*

**Description:** Drawing will take the art elements and apply them to the next level, the principles of design. This is an advanced drawing class, which will focus on the design principles, and how they are used to arrange the art elements. Studies will be in class still life and/or outdoor settings. Advanced levels of independent drawing with emphasis on style and technique. Visits will be made to local galleries. (media-graphite pencil, color pencil, oil pastel, soft pastel, charcoal, conte', scratchboard, etc.)  
**Prerequisites:** *Drawing I - Lab fee - \$20.00*

## **Printmaking, #02024**

**1/2 credit**

*Grades: 9,10,11,12*

**Description:** Printmaking is a process in which an artist repeatedly transfers an original image from one prepared surface to another. A series of identical prints are made from the same plate producing an edition. The four main techniques will be attempted: relief printing (linoleum, wood), intaglio (zinc or copper), lithography, collage, dry point, and screen-printing. **Prerequisites:** *Drawing I - Lab Fee - \$35.00*

## **Advanced Art, #02024**

**1/2 credit**

*Grades: 11,12*

**Description:** This course is for students who can work independently and wish to have the opportunity to work in four different areas of their choice. The student will spend the nine weeks working on eight projects. Strong emphasis is put on individual creativity as well as individual instruction. During the course, students will work at their own pace (within the guidelines of the instructor) and will enter art competitions at the high school and amateur level. **Prerequisites:** *Drawing I & II ,Color & Design, Three Dimensions – Lab Fee - \$35.00*

## **Ceramics, #02024**

**1/2 credit**

*Grades: 11,12*

**Description:** Ceramics class will concentrate on areas of pinch pots, slab pot, coil, pots, and wheel thrown pots. Other areas will include using such media as pastel and acrylics applied to store purchased ceramic pieces (Purchase is the responsibility of the student) or hand made pieces. Pastels and acrylic are available in the Art Department but limited to certain colors. **Lab Fee - \$35.00**

## **Basic Photography, #02024**

**1/2 credit**

*Grades: 11,12*

**Description:** This course will cover the basic processes of film development and photograph enlargement of black-and-white film. Students will concentrate on photograph composition, design, development, etc. Students will be requested to furnish their own camera. **Lab Fee - \$35.00**

## **Taught 2011-2012**

## **Multicultural Art, #02024**

**1/2 credit**

*Grades: 10,11,12*

**Description:** Multicultural art is the study of background information and hands-on projects to introduce students to the art forms and customs of more than 35 cultures around the world. Students will study six geographic units, each featuring a map and an introduction to the region's art history, followed by related activities. These cover a wide range of creative forms and techniques ranging from painting,

basket weaving, and pottery, to mask making and more. Most of the time will be spent on projects.  
**Lab Fee - \$30.00**

### **Three Dimensions/Sculpture, #02024**

**1/2 credit**

*Grades: 10,11,12*

**Description:** The three dimensions class will improve skills in various three dimensional media (clay, wood, soap, wire). Strong emphasis is put on individual creativity with in the boundaries set by the instructor as well as individual instruction. One project will be required per week along with the approval of the instructor. **Prerequisites: Drawing - Lab Fee - \$30.00**

### **Advanced Photography, #02024**

**1/2 credit**

*Grades: 11,12*

**Description:** Each student is required to have in his/her possession a 35 mm camera (prefer manual). Advanced photography students will concentrate on the techniques learned in basic photography. New techniques, such as the use of sepia, will be challenged. **Prerequisites: Basic Photography - Lab Fee - \$35.00**

## **Taught 2012-2013**

### **Advanced Ceramic, #02024**

**1/2 credit**

*Grades: 11,12*

**Description:** This class concentrates on techniques learned in Basic Ceramics but masters these techniques, experimenting and manipulating with the processes. Process requirements: wheel thrown, coil, slab, pastel application, pinch vessel, etc. **Prerequisites: Basic Ceramic - Lab Fee - \$35.00**

### **Color & Design, #02022**

**1/2 credit**

*Grades: 10,11,12*

**Description:** Color and design will improve skills in drawing and painting (acrylic, oils, watercolor and/or mixed media). Emphasis will be placed on developing color wheels and charts pertaining to the various paint medias. Various projects will be incorporated into the study of color such as: photo collage and mixed media, photo enlargement collages, color to create an expressive statement, etc. Emphasis is put on individual creativity as well as individual instruction once the basics have been investigated. **Prerequisites: Drawing - Lab Fee - \$25.00**

### **Art History, #02024**

**1/2 credit**

*Grades: 9,10,11,12*

**Description:** Students will focus on human history from the beginning of civilization to present day, and how art plays an important role in recording daily events. Projects will pertain to various cultures, exploring our progress through recorded history and art media used during these specific periods. Half of the class time will be spent doing art works pertaining to the time period. Studying the techniques and media of the period. **Lab Fees - \$20.00**



## BUSINESS/OFFICE MARKETING

The Business Department provides students with fundamental business knowledge and skills. Students develop ethical business standards, personal and professional excellence for career preparation, educational advancement and personal success. Students are encouraged to join Future Business Leaders of America (FBLA), an organization that fosters leadership development, community involvement and participation in state and national competition events.

Elective Courses:	Grade	Elective Courses:	Grade
14010 Accounting I	10,11,12	14079 Office Procedures	11,12
14011 Accounting II	10,11,12	14098 Desktop Publishing	10,11,12
14012 Accounting III	11,12	14111 Entrepreneurship	10,11,12
14111 Banking & Finance	10,11,12	14230 Intro to Business	9,10
14024 Keyboarding/Applications I	9,10,11,12	14090 Business Law	11,12
14025 Computer Applications II	10,11,12	14111 Model School Store	11,12
14096 Word Processing I/Bus Apps	9,10,11,12	14999 CO-OP Work Experience	12
14096 Word Processing II	10,11,12	14029 MultiMedia Bus Presentations	11,12
14022 Web Page Design	10,11,12	14022 Advanced Web Design	11,12

### Accounting I, #14010

**1/2 credit**

*Grades: 10,11,12*

**Description:** Accounting I is an introductory course designed to develop a basic understanding of accounting principles, concepts, terminology, and procedures. Students will complete an accounting cycle for a service business organized as a proprietorship. Students will also be introduced to automated accounting. Any student headed into the business world or planning on a business degree in college should have a substantial knowledge of accounting.

### Accounting II, #14011

**1/2 credit**

*Grades: 10,11,12*

**Description:** Accounting II is a continuation of Accounting I and will provide students with more detailed accounting knowledge than Accounting I. Students will complete an accounting cycle for a merchandise business organized as a corporation. Students will also complete a manual business simulation for a merchandising business organized as a partnership. Automated accounting is continued in the study of corporation accounting. *Prerequisites: Accounting I*

### Accounting III, #14012

**1/2 credit**

*Grades: 11,12*

**Description:** Accounting III is designed to meet the needs of students interested in entry-level business jobs or who are interested in furthering their study in a post-secondary school. Emphasis is placed on the analysis uncollectible accounts, plant assets, inventory, and end of period adjustments for a corporation. *Prerequisites: Accounting I & II*

### Computer Applications I/Keyboarding, #14024

**1/2 credit**

*Grades: 9,10,11,12*

**Description:** This course is a prerequisite for all other computer classes taught in the business department. It will consist of the beginning elements of "touch" typing, using a software program called Micro-Type. Progression will be made in word processing and the study of formatting for announcements,

memorandums, letters/envelopes, outlines, tables, reports, proofreading marks, and focusing on building speed and accuracy.

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**NOTE:** A student may test out of this course by taking a test administered by one of the business teachers. Tests may include any materials covered in the course, including typing speed and accuracy testing.

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## **Computer Applications II (Spreadsheet) #14025**

**1/2 credit**

*Grades: 10,11,12*

**Description:** The course provides a step-by-step comprehensive approach to further studies in computer applications with electronic spreadsheets to analyze business trends and solve problems. Microsoft Excel 2007 will be studied with emphasis on formulas, functions, charts, data tables, queries and web integration. *Prerequisites: Computer Applications I*

## **Word Processing I/Business Applications, #14096**

**1/2 credit**

*Grades: 9,10,11,12*

**Description:** This course provides students with the fundamental computer skills necessary to do well in high school and the job market. Students will learn to create and edit documents and use the most common features of a word processor, such as bullets, numbered lists, special characters, border, graphics and charting. Students should become proficient at typing mailable and professional documents and increasing typing speed. Students will also complete projects in MLA style and Microsoft graphics. *Prerequisites: Computer Applications I*

## **Word Processing II, #14096**

**1/2 credit**

*Grades: 10,11,12*

**Description:** Students will be provided with instruction for maximum keyboarding skills, and supervised, concentrated applications of keyboarding skills to the production of practical business correspondence forms and reports. Competence in keying numbers and symbols for statistical and data processing is also included. Students will develop a reference manual of Business documents. *Prerequisites: Word Processing I*

## **Desktop Publishing, #14098**

**1/2 credit**

*Grades: 10,11,12*

**Description:** The desktop publishing class will introduce students to using the personal computer to learn the process of creating a document that looks like a professionally designed and printed document. Windows, InDesign, and various graphic programs, as well as scanners and digital cameras will be used to assist students in sizing and inserting photos, graphics, and line drawing to the text copy. Instruction will be provided to produce an original layout for a newsletter, brochure, catalog, and other materials that could be published. *Prerequisites: Computer Applications I*

## **Multimedia/Business Presentations, #14029**

**1/2 credit**

*Grades: 11,12*

**Description:** Students will learn to use a personal computer and Microsoft PowerPoint 2007 for creating colorful and effective business presentations. They will also learn to integrate computer database and spreadsheet programs to produce charts, graphs, animation, and other multimedia effects in presentations. They will learn to operate and utilize various types of multimedia devices or hardware and software to create multimedia presentations. *Prerequisites: Word Processing I*

**Office Procedures, #14079****1/2 credit***Grades: 11,12*

**Description:** The course is designed to prepare students for entry-level office jobs and office management positions. Basic office tasks, including processing mail, supervisory skills, Dictaphone use, e-mail, filing, telephone usage/etiquette, meeting/greeting the public, business vocabulary, dress and grooming, attitude, work habits and job opportunities will be taught.

**Prerequisites:** *Computer Applications I*

**Introduction to Business, #14230****1/2 credit***Grades: 9,10*

**Description:** This course is designed to introduce students to basic economic concepts of marketing and business. Career exploration, bank services, budgeting, credit, consumer needs and wants, and the free enterprise system are areas to be covered.

**Business Law, #14090****1/2 credit***Grades: 11,12*

**Description:** Business and Personal Law is a basic business class that deals with personal rights and responsibilities. The course gives a fundamental background as to how laws are made and enforced, the difference between criminal and civil law, and our various court systems. Additionally it includes Business Ethics and contract law such as the rights of the buyer and seller of goods.

**Banking & Finance, #14111****1 credit***Grades: 10,11,12*

**Description:** This course emphasizes the basic study of personal finance to include areas of career, checking & savings accounts, budgeting, and decision making. In addition, students run an actual bank at the high school, with a local bank assisting. Services offered include loans, savings accounts, cashing checks, and making change. Students will be involved in all aspects of banking, including loan officers, board of directors, accounting, tellers, marketing, and other bank positions. The students have a regular classroom setting plus **required** outside time to operate the bank.

**Entrepreneurship, #14111****1/2 credit***Grades: 10,11,12*

**Description:** To provide students with an introduction to entrepreneurship business opportunities and requirements as well as related career information and self-assessment opportunities. Covers entrepreneurship importance and concepts, characteristics of different types of business organizations and opportunities and entrepreneurial project and simulations.

**Model School Store, #14111****1/2 credit***Grades: 11,12*

**Description:** This course is designed for students interested in a career in business. The students will operate and manage the school store. They will learn about entrepreneurship, management, buying and selling merchandise. This course is independent study and enrollment is by instructor approval only.

**Prerequisites:** *Enrolled in a Business Class*

## Web Page Design #14022

1/2 credit

Grades: 10,11,12

**Description:** This course introduces students to a variety of ways to create and maintain web pages. The students will focus on the overall production processes with particular emphasis on design elements involving layout, navigation, and interactivity. The basics of web design software will be taught using Dream Weaver. *Prerequisites: Word Processing I*

## Advanced Web Page Design, #14022

1/2 credit

Grades: 11,12

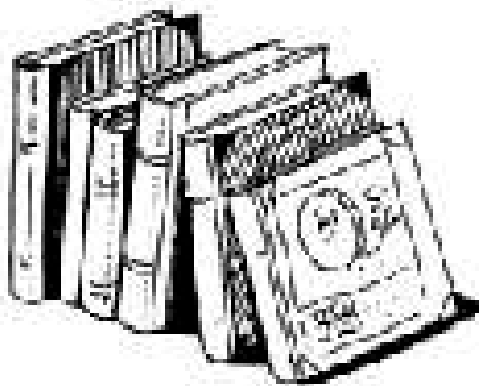
**Description:** During this course students will apply all their skills from Web Page Design and Microsoft Word courses, along with current computer applications. They will act as a webmaster for assigned tasks on the high school web pages which will include the design, creation, maintenance, and publishing of pages. They will develop strong communication skills while interviewing and obtaining information from a variety of sources to keep the high school web site up-to-date. As a class, they will create a survey and gather data to guide our mission for the year. Throughout the course, they will also be learning more advanced features of web design, photoshop and other applicable computer programs and internet tools. *Prerequisites: Web Design*

## Cooperative Work Experience, #14999

1 credit

Grades: 12

**Description:** To provide an opportunity for students to develop and/or improve work skills in an actual employment setting. An instructional plan that combines supervised community employment and school instruction. A training plan and agreement consistent with the occupational objectives of the student shall be developed for each student with each cooperating employer. Students are paid minimum wage by the employer and may be granted release time from school. *Prerequisites: Office Procedures, other related Business classes*



## FAMILY AND CONSUMER SCIENCE

Required Course	Grade
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09129 Life Skills	10
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Elective Courses:	Grade	Elective Courses:	Grade
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09026 Child Development	9,10,11,12	09027 Fashion Design III	11,12
09211 Child Related Careers	11,12	09025 Independent Living	11,12
09131 Food Prep & Nutrition	9,10,11,12		
09131 World Foods	11,12		
09027 Fashion Design I	9,10,11,12		
09027 Fashion Design II	10,11,12		

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***NOTE:** It is recommended to take Food Preparation & Nutrition class first if you are interested in both food classes. It is recommended to take Child Development class first if you are interested in Child-Related Careers class.*

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### Required Courses

**Life Skills, #09129** **½ credit**  
*Grades: 10*

**Description:** This course is designed to encourage students to become more aware of themselves and their relations with others. Topics include: communication, dealing with stress, handling conflict, dealing depression & suicidal feelings Students will consider decisions about: drug use, sexual health and preventing teen pregnancy. Relationships in the following areas will also be discussed: friends, dating, marriage, family, and elderly. Additionally, students will participate in career exploration activities.

### Elective Courses

**Child Development, #09026** **½ credit**  
*Grades: 9,10,11,12*

**Description:** This course is an in-depth study of the growth and development of children from conception through toddler. Included are units on parenting, considerations before and during pregnancy, prenatal development, birth, development of infant and toddler, care of the of the infant & toddler, health safety, guidance and discipline, play and child abuse. Special topics, which interest the class, will also be incorporated. This class will benefit students considering careers in early childhood, elementary, and secondary education; as well as psychology, and medicine.

**Child Related Careers, #09211** **1 credit**  
*Grades: 11,12*

**Description:** This class is an introduction to the world of work in occupations related to child-care. Included is a study of developmental characteristics of the preschool child, a study of guidance and discipline principles and an intensive look at activities appropriate for this age. Special topics that affect the development of the child will also be discussed. This class will include experience in organizing and operating a 6-week preschool for children ages 4 & 5. Students will also be involved in a community work experience utilizing a variety of child-care and preschool sites in Dickinson.

### **Fashion Design I, #09027**

**½ credit**

*Grades: 9,10,11,12*

**Description:** The focus of this course is learning to sew and applying principles of design. Students will learn the basics of sewing as they create three projects. All Fashion Design classes will take a field trip to a fabric store. The purpose of the trip is to assist students in the selection of projects. Students will purchase the supplies necessary for projects. All projects are chosen individually.

### **Fashion Design II, #09027**

**½ credit**

*Grades: 10,11,12*

**Description:** This course builds upon the skills learned in Fashion Design I. Students learn to operate and maintain the serger sewing machine. Students will complete three projects of moderate difficulty. Students will plan & conduct a fashion-business project. All Fashion Design classes will take a field trip to a fabric store. The purpose of the trip is to assist students in the selection of projects. Students must purchase necessary supplies for projects. Optional job shadow experiences will be available to students. *Prerequisites: Fashion Design I*

### **Fashion Design III, #09027**

**½ credit**

*Grades: 11,12*

**Description:** Students will complete two projects of moderate to high difficulty. Students will research one fashion designer and one career related to fashion design. Optional job shadow experiences will be available. All Fashion Design classes will take a field trip to a fabric store. The purpose of the trip is to assist students in the selection of projects. *Prerequisites: Fashion Design I & Fashion Design II*

### **Food Preparation and Nutrition, #09131**

**½ credit**

*Grades: 9,10,11,12*

**Description:** This course explains the importance of nutrition and basic food preparation techniques. Included are laboratory experiences with bread, pastry, milk products, eggs, meats, fruits, vegetables, cakes, and cookies. There will be approximately 12 labs per quarter. This class will benefit students in everyday life, as well as careers in food service, restaurant management, health and fitness.

### **World Foods, #09131**

**½ credit**

*Grades: 11,12*

**Description:** This is an advanced food course on traditional American and foreign food preparation. Specifically, the areas covered are: Cajun/Creole, Southwest, Mexican, German, Italian, French, and Scandinavian foods. There will be approximately 8 food labs and one guest meal during this class.

### **Independent Living, #09025**

**½ credit**

*Grades: 11,12*

**Description:** This class focuses on what people need to know in preparing for life on one's own. Units included are cooking, simple clothing repairs and laundry, living with roommates, choosing an apartment, money management, using credit wisely, job application, and community service.

## FOREIGN LANGUAGES

An objective in studying foreign language is to increase international understanding and communications. Foreign language study complements a career. There is a need for people trained in foreign languages in many fields. Some of these fields include, but are not limited to, teaching, scientific work, military and government service, the arts, volunteer services, travel and tourism, communications, medicine, international law and business. College-bound students and their parents should check college catalogs and school counselors to complete their registration plans.

Elective Courses	Grade	Elective Courses	Grade
06281 French I	9,10,11,12	06211 Spanish I	9,10,11,12
06282 French II	10,11,12	06212 Spanish II	9,10,11,12
06283 French III	11,12	06213 Spanish III	10,11,12
		06214 Spanish IV	11,12
		06215 Spanish V	12

### Spanish I, #06211

**1 credit**

*Grades: 9,10,11,12*

**Description:** This course explores basic spoken and written expression in the Spanish language. Structures and vocabulary are practiced in listening, speaking, reading, and writing activities. Students often work in groups. Students will study about Hispanic culture. This course focuses on **basic** conversation, vocabulary, grammar, and verb conjugation.

### Spanish II, #06212

**1 credit**

*Grades: 9,10,11,12*

**Description:** The emphasis in this class is on developing better skills of communication. Students will study about Hispanic culture. Students will review previously learned concepts. They will become more proficient in the areas of: listening, speaking, reading, and writing. By the end of the year, students should be able to communicate in the present and past tense in Spanish. There will be an emphasis on vocabulary development, verb conjugations, and reading to help students develop better proficiency. *Prerequisites: C or better in Spanish I*

### Spanish III (Dual Credit), #06213

**1 credit**

*Grades: 10,11,12*

**Description:** Spanish III will be a continuation in the development of communicative proficiency in listening, reading, speaking, and writing. Completion of this course will give students the complete grammar background. Students will expand on Spanish vocabulary and grammar structures. They will listen to a more real-life spoken Spanish through the use of media. They will learn more about the Spanish-speaking world. In addition, students will have the option to receive four (4) college credits for this course through Dickinson State University. This course is equivalent to Second Year Spanish I 201 at DSU. *Prerequisites: C or better in Spanish II*

### Spanish IV (Dual Credit), #06214

**1 credit**

*Grades: 11,12*

**Description:** Spanish 4 will broaden the student's experience with the language. Class will be conducted mainly in Spanish, with English used for clarification of difficult concepts and grammar. They will be exposed to a higher level of vocabulary, literature, listening, and visual materials. Students will be expected to write compositions for each unit, to complete speaking tests, and to communicate daily through dialogues and activities in Spanish. These activities will enhance their ability to use the language

with better clarity and precision and to develop the language skills needed to engage in sustained conversations. Students will read literature pieces by various Hispanic authors. Students will also have the opportunity to develop their speaking skills by talking with native speakers once a week during the course. In addition, students will have the option to receive four (4) college credits for this course through Dickinson State University. This course is equivalent to Second Year Spanish II 202 at DSU. *Prerequisites: C or better in Spanish III*

### **Spanish V (Independent Study), #06215**

**1 credit**

*Grades: 12*

**Description:** Spanish V students will be required to work independently. Students will be working with grammar concepts in a much more integrated manner, reading various Hispanic literature pieces, and writing compositions for each unit. Students will also have the opportunity to develop their speaking skills by talking with native speakers once a week during the course. The students will prepare and teach lessons one day a week to 3<sup>rd</sup> graders over a nine week period. In addition, students will have the option to receive four (4) college credits for this course through Dickinson State University. This course is equivalent to Advance Spanish 321 at DSU. *Prerequisites: C or better in Spanish III*

### **French I #06281**

**1 credit**

*Grades: 9,10,11,12*

**Description:** The course is an introduction to the French culture and language as it is spoken and written today. Emphasis is on learning vocabulary basic to communication. Students also will learn about French history from the middle ages through the French Revolution.

### **French II #06282**

**1 credit**

*Grades: 10,11,12*

**Description:** This class builds upon the vocabulary and grammar in French I. By the end of the course, students should be able to communicate these basic needs in a French speaking country. Students also will learn the history of France from the 1800s to the present. *Prerequisites: French I*

### **French III #06283**

**1 credit**

*Grades: 11,12*

**Description:** This class continues to build on the foundation built in French II. Students also will read French literature including "Le Petit Prince" and "L' Etranger." *Prerequisites: French II*



## Health Careers

Elective Courses	Grade	Elective Courses	Grade
Health Careers I	10,11,12	Medical Terminology	11,12
Health Careers II	11,12		

### Health Careers I

**1 credit**

*Grades 10,11,12*

**Description:** The Health Careers course is designed to assist students interested in the medical field in determining an occupation that will best suit their capabilities and interests. The program uses a competency based curriculum that is fundamental to a variety of careers in the health care industry. "CORE" knowledge and skills are introduced the first semester to the students as a foundation in such areas as; Medical Terminology, Anatomy and Related Disorders, Professional Standards, Safety, Monitoring Body Functions, Disease Prevention, CPR and First Aid Certification and Introduction to Health Careers. ***Prerequisites: Biology***

### Health Careers II

**1 credit**

*Grades:11,12*

**Description:** Health Careers II program has been developed to provide students interests in the medical field an in-depth study of a career of their choice which best suits their capabilities and interests. The second semester provides the students the opportunity to expand their skills and knowledge in specific areas of career interest. Career choices such as Physical Therapy, Occupational Therapy, Pharmacy, Optometry, Radiology, Respiratory Therapy, Medical Records and Secretarial, Dental Careers, Medical Lab, Medical Assisting, Child Care, Nursing, Nursing Assisting and others will be offered. Students may be placed in the community health care setting for on-the-job career experience any time after completion of the CORE segment. Emphasis on academics, professional development, leadership, and organizational skills are integrated throughout the curriculum.

It is a 360 hour program designed for the student who has completed a minimum of 180 hours of Health Careers I and plans to further their education in a medical field or plans to seek employment immediately following graduation. ***Prerequisites: Health Careers***

### Medical Terminology (Dual Credit)

**1 credit**

*Grades 10,11,12*

**Description:** This class is designed to introduce students to the health information technology field. Students will learn prefixes, suffixes and root words for medical terms. This will include meanings, spellings and pronunciations. Emphasis is on building a working medical vocabulary based on body systems. Anatomy and physiology of major organs, pathological conditions, laboratory studies, clinical procedures and abbreviations are studied for each body system. The student will also learn medical terminology as it relates to pathology, diagnostic, surgical, clinical and laboratory procedures, and common abbreviations and acronyms by body systems.

## INFORMATION TECHNOLOGY

The nature of work and life has changed with rapid and changing technological growth. Labor reports refer to the fact that over 90% of high growth jobs will require technology fluency. This means students need to have technology competencies beyond word processing and spreadsheets.

The IT courses introduce students to computer technology, prepare them for technology trouble-shooting and engage them as learners in technological advances.

Elective Courses	Grade
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27101 Intro to Info Tech Essentials	9,10,11,12
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### Intro to Information Technology Essentials, #27101

**1/2 credits**

*Grades: 9,10,11,12*

**Description:** This 9 week course is a basic exploratory of Information Technology. Students will be introduced to computer concepts in the following areas; fundamentals, safety and tools, decimal and binary conversion, operating systems, and Local Area Networks (LAN). This course is designed for students interested in a career in Information Technology or Computer Science.

## LANGUAGE ARTS

Any student graduating from Dickinson High School must have a minimum of four language arts credits.

Required Courses	Grade	Required Courses	Grade
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05071 Grammar-Comp 9	9	05091 Speech 10	10
05071 Lit 9	9	05031 American Literature	11
05072 Grammar-Comp 10	10	05034 British Literature	12
		or	
		05033 Modern Literature	12

Elective Courses	Grade	Elective Courses	Grade
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05041 Advanced Composition	11,12	05061 Theatre	11,12
05581 A.P. Literature	12	05033 Modern Literature	12
05081 Journalism	11,12	05039 Imaginative Literature	11,12
05039 Individualized Reading	10,11	05039 Literature of the West	11,12
05035 Mythology	11,12	05039 Mystery & Detective	11,12
05035 World Literature	11,12	05040 Junior-Senior Composition	11,12
05042 Creative Writing	11,12	05039 Science Fiction	11,12
05091 Advanced Speech	11,12	05039 Novels	11,12
05040 Film Critique	11,12	05036 Biography & Non Fiction	11,12
05111 Dic Dak/Publications	11,12		

**NOTE:** Beginning with the class of 2012 (beyond Grammar-Comp 9 and Grammar-Comp 10) all Juniors and Seniors will be required to take a composition class (one full credit) to meet graduation requirements. The choices are Junior-Senior Composition, Advanced Composition, A.P. Literature, Journalism, Creative Writing, Practical Composition.

## Required Courses

### Grammar-Comp 9, #05071

1/2 credit

*Grades: 9*

**Description:** This is a fundamental course, which emphasizes parts of speech, sentence structure, language mechanics, and vocabulary. Students will demonstrate their knowledge of composition elements and the writing process by writing a variety of papers, such as descriptive, informative, personal narrative, career, and/or comparison and contrast papers.

### Lit 9, #05071

1/2 credit

*Grades: 9*

**Description:** This is a fundamental course in literature. Students study several short stories, the play Romeo and Juliet, a novel, and poetry. *Reading assignments may need to be done outside of class time.*

### Practical Comp 9, #05071 (NOT NCAA Eligible)

1/2 credit

*Grades: 9*

**Description:** This is a fundamental course which focuses on the improvement of writing skills. Students will use the writing process to write a variety of papers, such as, descriptive, informative, personal narrative, career, and comparison/contrast papers. The parts of speech, sentence structure, language mechanics, and vocabulary will be incorporated into these papers throughout the course. [Students will be placed in this class through a teacher recommendation process only.]

### Practical Lit 9, #05071 (NOT NCAA Eligible)

1/2 credit

*Grades: 9*

**Description:** This is a fundamental course in literature. Students study short stories, autobiography, a suspense novel, poetry, and the play Romeo and Juliet. Students will use reading strategies to improve their reading comprehension. [Students will be placed in this class through a teacher recommendation process only.]

### Grammar-Comp 10, #05072

1/2 credit

*Grades: 10*

**Description:** The course consists of additional learning experiences in the mechanics of grammar, sentence structure, and the practical application of grammar through writing experiences, such as fictional narrative, personal, and persuasive essays, as well as a research paper.

### Practical Comp 10, #05072

1/2 credit

*Grades: 10*

**Description:** Real life writing and grammar experiences will be the focus of the course. Students will work on basic grammar: parts of speech, punctuation, capitalization, sentence fragments and run-on sentences. Vocabulary understanding and expansion will be worked on regularly. Daily silent reading will be required with a book report at quarter's end. Writing assignments will include: addressing envelopes, writing thank you cards, job applications, check writing, short business letters, and short summaries of class assigned reading. [Students will be placed in this class through a teacher recommendation process only.]

### Speech 10, #05091

1/2 credit

Grades: 10

**Description:** The fundamentals of oral communication will be stressed. Unit assignments include an introductory speech, one group project, impromptu speaking, sales, persuasive and informative speeches, and oral interpretation (emphasis on non verbal communication).

### American Literature, #05031

1/2 credit

Grades: 11

**Description:** This course is a survey of American literature from the 17th Century to the 1900s, including drama, poetry, short stories, essays and a novel. *Reading assignments may need to be done outside of class time.*

### Practical American Literature, #05031 (NOT NCAA Eligible)

1/2 credit

Grades: 11

**Description:** This course is a survey of American literature from the 17th Century to the 1900s, including drama, poetry, short stories, essays and a novel or memoir. Students will receive additional instruction and assistance with reading and vocabulary. [Students will be placed in this class through a teacher recommendation process only.]

### British Literature, #05034

1/2 credit

Grades: 12

**Description:** The course is a study of British literature, beginning with King Arthur legends, Chaucer's Canterbury Tales, Shakespeare's Macbeth, 17<sup>th</sup> and 18<sup>th</sup> Century literature, and the Romantics. Students will study the literature in the form of tales, poetry, essay, and drama. After Chaucer, none of the literature is read outside of class time. **Note: This class is an OPTION for the senior literature requirement**

### Modern Literature, #05033

1/2 credit

Grades: 12

**Description:** This course deals with current issues in literature, literary themes, contemporary style, and literary criticism. Students will study modern short stories, novels, poetry, and drama. Some literary works from the past may be used to compare or contrast with modern thought and/or style. *Reading assignments may need to be done outside of class time.* **Note: This class is an OPTION for the senior literature requirement**

## Elective Courses

### Advanced Composition (Dual Credit), #05041

1/2 credit

Grades: 11,12

**Description:** The course covers techniques of research and advanced composition. Techniques of research involve the gathering and compiling of factual and statistical information to create a formal research paper. Advanced composition includes various types of writing. This class is highly recommended for college-bound students. **Prerequisites: C+ Average or better in Gram 9 or 10**

**A.P. Literature, #05581****1 credit***Grades: 12*

**Description:** The Advanced Placement class is a college level, semester course in English literature and composition. It will enable interested students to realize their potential in reading closely, thinking precisely, and writing logically. AP Lit meets the requirement for British Literature and a writing class. *Prerequisites: American Literature and C+ average or above in other Language Arts classes.*

**Applied Literature, #05039****1 credit***Grades: 12*

**Description:** Applied Literature is a class for seniors. It consists of myths, legends, fables and tales. The students will also be studying terms that deal with short stories, nonfiction, drama and novels [Students will be placed in this class through a teacher recommendation.]

**Journalism, #05081****1/2 credit***Grades: 11,12*

**Description:** Fundamental journalism is a course involving types of writing commonly found in newspapers with emphasis on accurate reporting through observation and interviews. Students will study the history and ethics of journalism, and legal and common sense restrictions of freedom of the press. Students will be required to submit writing assignments, which may be used in the publication of The Chronicle. Basic grammar and writing skills are requirements of this class. *Prerequisites: Gram/Comp 10*

**Junior-Senior Composition, #05040****1/2 credit***Grades: 11,12*

**Description:** This course will continue emphasis on developing writing skills in terms of content, organization, usage, sentence structure, and vocabulary. Students will do a variety of writing assignments including a research paper.

**Junior/Senior Practical Comp, #05040 (NOT NCAA Eligible)****1/2 credit***Grades: 11,12*

**Description:** This course consists of grammar and writing lessons and assignments that students can apply to real-life experiences. Students will write cover letters/resumes, business letters, thank you cards, and short research papers. They will also learn essential grammar skills, such as correct word choice, capitalization, punctuation, and complete sentence structure. All of these skills are designed to help students function and be successful in today's world. [Students will be placed in this class through a teacher recommendation process only.]

**Creative Writing, #05042****1/2 credit***Grades: 11,12*

**Description:** This course is designed to aid a student's flexibility and creativity. After discussing selected models, students will create descriptive passages, character sketches, short stories and poetry through daily in-class writing. A proficiency in grammar is essential. This class is designed for college bound students.

**Mythology, #05035****1/2 credit***Grades: 11,12*

**Description:** This course will concentrate on Greek Mythology. The stories, special projects, and films will show how mythology is useful in today's world. This course is a good general elective and especially good for college-bound students. *Reading assignments may need to be done outside of class time.*

**Advanced Speech (Dual Credit), #05091****1/2 credit***Grades: 11,12*

**Description:** This class will be a continuation of the lessons learned in Speech 10. Students will work on public speaking and communication skills. Students will give at least seven presentations including, but not limited to, speech to inform, sales presentation, speech to persuade, debate, and impromptu. Public speaking, interpersonal communication, and mass communication will be explored.

**Prerequisites:** *Speech 10 and C average or above in Speech 10*

**Dic Dak/Publications, #05111 (NOT NCAA Eligible)****1/2 credit***Grades: 11,12*

**Description:** Students enrolled in this course will work on planning and publishing DicDak, Dickinson High School's yearbook. In doing so, students will strengthen their composition and editing skills through writing headlines, captions and brief stories. Students also will learn the fundamentals of photojournalism, page design and desktop publishing.

**Individualized Reading, #05039 (NOT NCAA Eligible)****1/2 credit***Grades: 10,11*

**Description:** This class is for students who like to read or who would like to improve their reading skills. This class will focus on the use of reading strategies to comprehend better various reading materials. Students will choose their reading selection from a pre-approved list based on their individual reading level. Students will read short stories, nonfiction articles, novels, and nonfiction books. Vocabulary words from each reading selection will also be studied.

**Novels, #05039****1/2 credit***Grades: 11,12*

**Description:** This course is a study of literature in the form of a novel. Terms that deal with this form of literature will be included along with at least five different novels from the 20th Century. Writing assignments will supplement the readings. *Reading assignments may need to be done outside of class time.*

**Taught 2011-2012****World Literature, #05035****1/2 credit***Grades: 11,12*

**Description:** This course is a survey of the important literature of the world. It includes the writings, both prose and poetry, of various cultures and countries. Recommended for college-bound students.

## **Mystery & Detective, #05039**

**1/2 credit**

*Grades: 11,12*

**Description:** This course is a study of mystery, hard-boiled, police procedural, spy, and crime stories from Poe to the present day. At least two full films will be shown and the reading of two novels will be included. *Reading assignments may need to be done outside of class time.*

## **Theatre, #05061**

**1/2 credit**

*Grades: 11,12*

**Description:** This course will deal with ancient Greek theatre, Shakespearean theatre and modern American theatre. History and the physical theatre, as well as plays, will be studied in class. Films and tapes will supplement the written material. This is not a performance course.

## **Science Fiction, #05039**

**1/2 credit**

*Grades: 11,12*

**Description:** This course is a study of short stories, novels, and films in science fiction. At least two short novels will be read and two to three films will be shown. Writing assignments will supplement the readings and viewings. *Reading assignments may need to be done outside of class time.*

### **Taught 2012-2013**

## **Biography and Nonfiction, #05036**

**1/2 credit**

*Grades: 11,12*

**Description:** Students will learn about the lives of famous individuals through the biographies and autobiographies that have been written about them. We will look at these stories and consider their stylistic or historic merit. Students will also read other non-fiction works such as diaries, travel journals, memoirs, essays, speeches, and news articles. In these non-fiction works, we will learn about the development of style and methods writers have used to convey ideas and a sense of the time in which they lived. *Reading assignments may need to be done outside of class time.*

## **Imaginative Literature, #05039**

**1/2 credit**

*Grades: 11,12*

**Description:** This course deals with ancient and modern myths, fairy tales, heroes, and fantasy literature. One novel will be read. *Reading assignments may need to be done outside of class time.*

## **Literature of the West, #05039**

**1/2 credit**

*Grades: 11,12*

**Description:** This course is a study of short stories, poetry, folk tales, and novels about pioneers, Indians, mountain men, cattlemen, and cowboys. The Lewis and Clark expedition will be the starting point of this class. Films will be shown and several novels will be read. *Reading assignments may need to be done outside of class time.*

## Film Critique, #05040

*Grades: 11,12*

**1/2 credit**

**Description:** This course will focus on student research of topics and detailed study of films. Topics of study may include film adaptations of other literary forms, directors and directing technique (from Capra, Hitchcock, and Wells to Scorsese, Spielberg, and Weir), and film genres (such as comedy, musical, drama, and film noir).



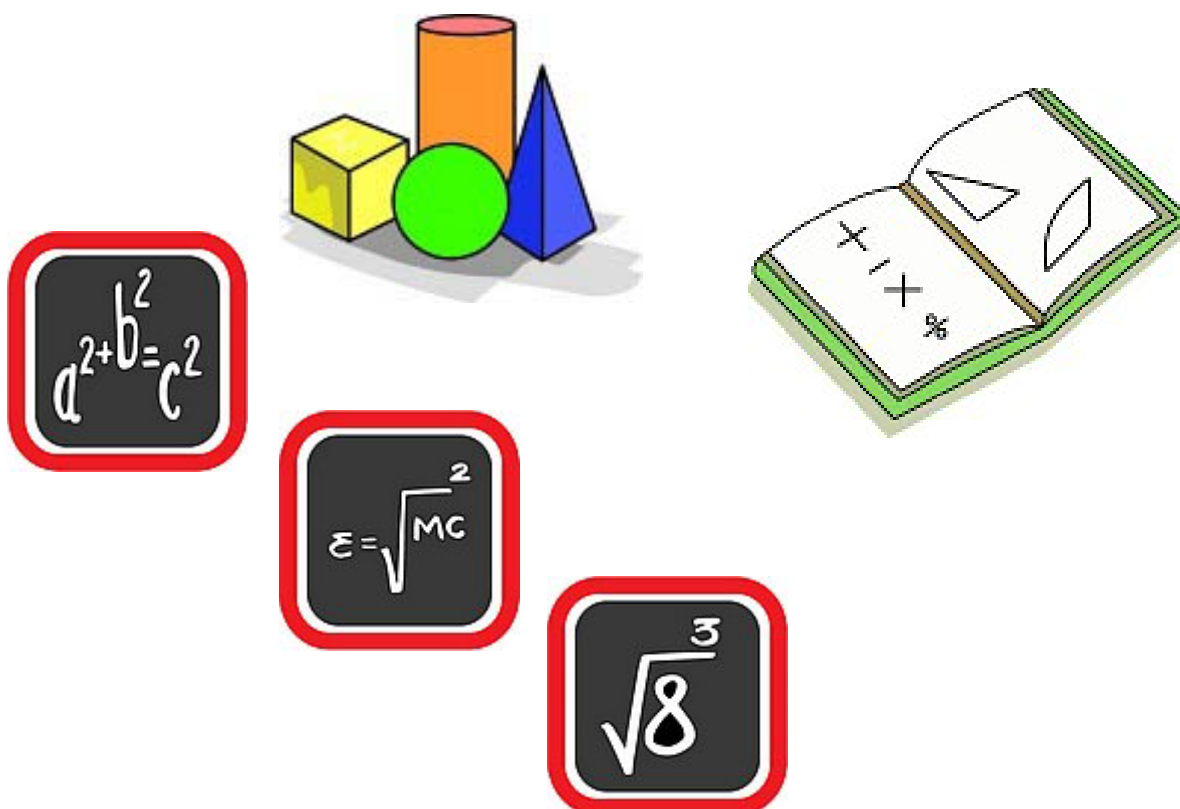
# MATHEMATICS

The mathematics curriculum offered reflects the rapid changes in our society with its increasing demand on mathematics. Mathematics is an experience that requires student involvement, effort and study. All students are required to pass Algebra I or Algebra Part I/Part II and Geometry or Basic Geometry. All students must pass at least one elective math course during their junior or senior year.

Required Courses	Grade
11031 Algebra I Part I/Algebra I Part 2	9,10
11031 Algebra I	9,10
11120 Basic Geometry	10,11,12
11120 Geometry	9,10,11,12

Elective Courses	Grade	Elective Courses	Grade
11145 Consumer Math	11,12	11032 Algebra II	11,12
11145 Integrated Mathematics	11,12	11032 Advanced Algebra II	10,11,12
11181 Pre-Calculus (Dual Credit Option)	11,12	11160 Trigonometry (1/2 Cr) (Dual Credit Option)	10,11,12
11061 AP Calculus I (Dual Credit Option)	12	11034 Algebra III (1/2 Cr)	10,11,12

**NOTE:** If you intend to complete the college preparatory curriculum, which includes Calculus, you will need to take two math classes per year at some point. You may double up in your Sophomore, Junior or Senior year, but not in your Freshman year.



## Sequential Math Program

**OPTION 1)** Students with a C or below in 8<sup>th</sup> Grade Math

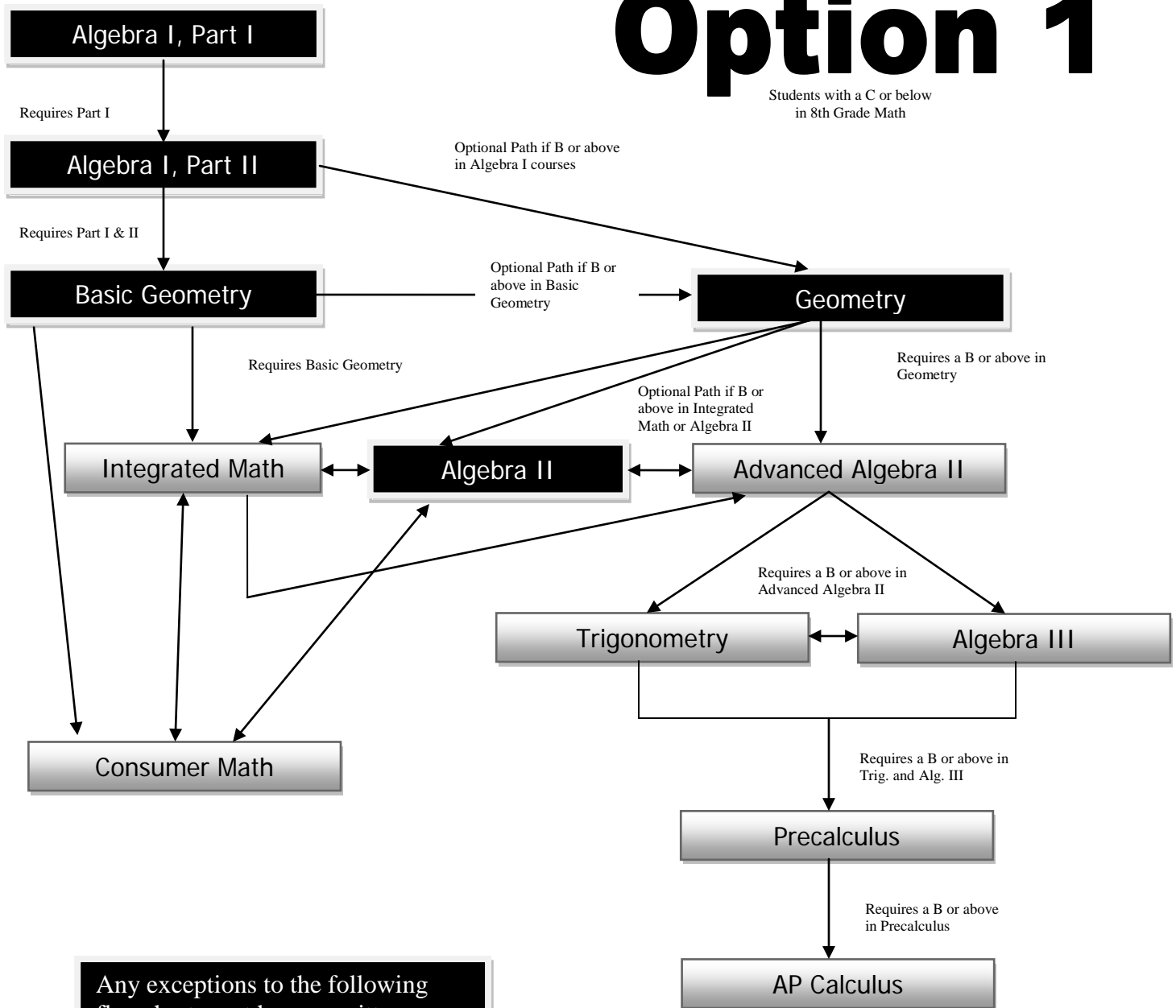
**OPTION 2)** Students with a B or above in 8<sup>th</sup> Grade Math

*\*Students who have taken Algebra I and passed with a B or above may start at Geometry*

All students are required to pass Algebra I, or Algebra I, Part I & Part II and one of the Geometry courses  
All students must enroll in at least one math course in their Freshman year, Sophomore year and in their Junior or Senior year

# Option 1

Students with a C or below  
in 8th Grade Math



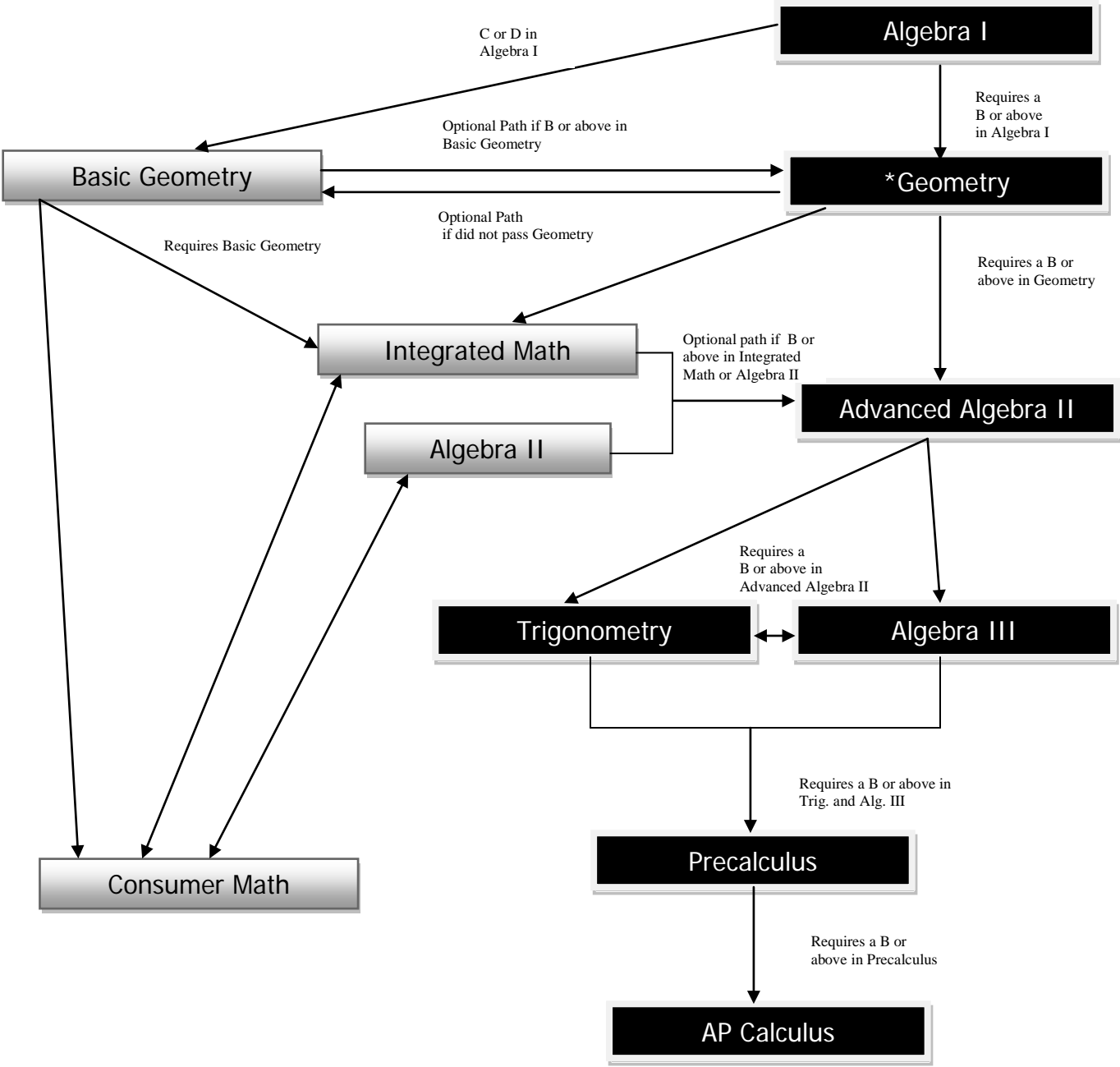
Any exceptions to the following flowchart must have a written signature from the Principal or Math Department Chairperson.

Any exceptions to the following flowchart must have a written signature from the Principal or Math Department Chairperson.

# Option 2

Students with a B or above in 8<sup>th</sup> Grade Math

*\*Students who have taken Algebra I and passed with a B or above may start at Geometry*



## Required Courses

### Algebra I Part 1/Algebra I Part 2, #11031

2 credits

Grades: 9,10

**Description:** These two courses are designed for the student who needs two semesters to master Algebra I. Students must pass Algebra I Part 1 before moving on to Algebra I Part 2. The successful completion of these two courses will fulfill the Algebra I requirement for graduation. Material covered in these two courses will be the same as the material in the Algebra I course for 1 credit. (Only 1 credit from Part 2 counts towards your Math credit) **Prerequisites: Refer to Flowchart**

### Algebra I, #11031

1 credit

Grades: 9,10

**Description:** Algebra I is the study of the structure and properties of the real numbers. A considerable amount of time is spent teaching these concepts through the use of variables. Completion of this course fulfills the Algebra I requirement for graduation. **Prerequisites: Refer to Flowchart**

### Basic Geometry, #11120

1 credit

Grades: 10,11,12

**Description:** Basic Geometry is for the student who does not intend to complete the college preparatory curriculum offered at Dickinson High School. This course focuses on basic work with points, lines, planes, polygons, etc., and the measurements of area and volume. Basic construction of geometric figures and elementary logic will also be included. **Prerequisites: Refer to Flowchart**

### Geometry, #11120

1 credit

Grades: 9,10,11,12

**Description:** Geometry is designed for the student whose intent is to pursue the college preparatory curriculum offered at Dickinson High School. In Geometry, students will develop reasoning and problem solving skills as they study topics such as congruence and similarity, and apply properties of lines, triangles, quadrilaterals, and circles. Students will also develop problem solving skills by using length, perimeter, area, circumference, surface area, and volume to solve real-world problems. **Prerequisites: Refer to Flowchart**

## Elective Courses

### Consumer Math, #11145

1 credit

Grades: 11,12

**Description:** This course is a study of essential mathematics for everyday living. It is a review of basic skills as well as fundamentals of consumer mathematics, business mathematics, and technical mathematics including some algebra. Consumer Math involves such activities as balancing a checkbook, working with insurances and working with income taxes.

### Integrated Mathematics, #11145 (NOT NCAA Eligible)

1 credit

Grades: 11,12

**Description:** This is a preparatory course for Algebra II. Integrated math will further explore topics studied in Algebra I and Geometry to provide students with a deeper understanding of the concepts needed to be successful in Algebra II. Topics in probability and statistics will also be covered. Students will see

connections among different branches of mathematics and solve a wide variety of problems.  
*Prerequisites: Refer to Flowchart*

### **Algebra II, #11032**

**1 credit**

*Grades: 11,12*

**Description:** Algebra II will further study the concepts learned in Algebra I. Emphasis will be placed on solving equations and inequalities, as well as graphing various functions. Successful completion of Algebra II will prepare students for an entry level college algebra course. **This course cannot be used as a prerequisite for Algebra III or Trigonometry.** *Prerequisites: Refer to Flowchart*

### **Advanced Algebra II, #11032**

**1 credit**

*Grades: 10,11,12*

**Description:** Advanced Algebra II is a more in-depth study of the concepts learned in Algebra I including an introduction to the complex number system. Emphasis will be placed on recognizing and graphing functions. **This course is a prerequisite course for Algebra III and Trigonometry.** *Prerequisites: Refer to Flowchart*

### **Trigonometry (Dual Credit Option), #11160**

**1/2 credit**

*Grades: 10,11,12*

**Description:** In this course trigonometric functions will be used to solve triangles. Students will also learn to graph the trig functions. Analytic trig will be studied which includes work with trig identities and solving trig equations. It is an important course in measuring unknown distances, as in surveying. *Prerequisites: Refer to Flowchart*

### **Algebra III, #11034**

**1/2 credit**

*Grades: 10,11,12*

**Description:** This course is an in-depth study of the following algebraic concepts: including exponential and logarithmic functions, complex numbers, conic sections, probability and statistics and matrices. *Prerequisites: Refer to Flowchart*

### **Pre-Calculus (Dual Credit Option), #11181**

**1 credit**

*Grades: 11,12*

**Description:** This is a general preparatory course for college level mathematics. It involves the study of advanced algebraic and trigonometric functions and data analysis integrating the ideas of regression models. Optional topics are: the study of limits, matrices, polar coordinates and parametric graphing. It is good general review of all former concepts studied in mathematics. *Prerequisites: Refer to Flowchart*

### **AP Calculus (Dual Credit Option), #11061**

**1 credit**

*Grades: 12*

**Description:** This course will be an introduction to Calculus and an in-depth study of differentiation and integration. It will cover a review of Cartesian plane and functions, limits and their properties, differentiation, application of differentiation and integration. *Prerequisites: Refer to Flowchart*

# MUSIC

Music is a form of expression through which you can express your feelings. It involves perception, expression, imagination, and emotional reaction. Music is present in all cultures and it records the emotional and historical aspects of living in that society. The Music Department at Dickinson High School offers a well integrated program. Students will gain a strong appreciation of music.

Elective Courses:	Grade	Elective Courses:	Grade
12040 Chorale	10,11,12	12051 Concert Band	11,12
12040 Festival Choir	9	12051 Wind Band	9,10
12040 Concert Choir	10,11	12020 Music Theory	10,11,12
		12020 Music Appreciation (dual credit)	11,12

**NOTE:** *Concert Band and Chorale will be offered during the same block of time. Students wishing to take one credit of each may do so with the schedule mutually worked out by the directors. All other students will receive two credits in either band or choir.*

*Freshman Band and Festival Choir will be scheduled during the same block of time. All other students receive two credits for either band or choir.*

## **Chorale, #12040** **2 credits** *Grades: 10,11,12*

**Description:** The Chorale member will experience a wide variety of music written for three and four part mixed voices, elements of sight-reading, listening and general musicianship. Opportunities to perform include formal concerts and community appearances. Public and classroom performance is required. **Prerequisites:** *A choral-vocal music background (Student must be able to match pitch)*

## **Festival Choir, #12040** **2 credits** *Grades: 9*

**Description:** The Festival Choir member will experience a wide variety of music written for three and four part female voices, elements of sight-reading, listening and general musicianship. Opportunities to perform include formal concerts and community appearances. Public and classroom performance is required. **Prerequisites:** *A choral-vocal music background (Student must be able to match pitch)*

## **Concert Choir, #12040** **2 credits** *Grades: 10,11*

**Description:** Students will experience a wide variety of music written for three and four part mixed voices, elements of sight-reading, listening, and general musicianship. May perform in concerts. (Women's Choir is established to handle the large number of women seeking choir, to maintain a balance of vocal parts.) Public and classroom performance is required. **Prerequisites:** *A choral-vocal music background (Student must be able to match pitch)*

## Concert Band, #12051

2 credits

Grades: 11,12

**Description:** Concert Band is a course designed to develop music appreciation and understanding through the experience of high quality literature. However, performance will not be an end in itself. Focus is on music education and the development of interested and discriminating listeners who have a well-rounded musical background. A second major emphasis will be the promotion of school spirit. Mandatory participation in marching and pep band insures the best possible sound for school functions. Attendance required at all concerts. *Prerequisites: Wind Band or its equivalent*

## Wind Band, #12051

2 credits

Grades: 9,10

**Description:** This is a preparation course and performance course for the student who enjoys performing without the demands set forth by Concert Band. The daily performance will contribute to the development of technical mastery and musical understanding. A second major emphasis will be the promotion of school spirit. Mandatory participation in marching and pep band insures the best possible sound for school functions. Attendance is required at all concerts.

## Music Appreciation (Dual Credit), #12020

1 credit

Grades: 11,12

**Description:** This course is designed to give an overview of the development of music from the Middle Ages to the Contemporary Period. Renaissance, Baroque, Classical, Romantic, and Modern music will be discussed. Emphasis will be on the development of vocal and instrumental music and musical styles and the composers of the various periods.

## Music Theory, #12020

1 credit

Grades: 10,11,12

**Description:** The study of Music Theory includes music notation, counting, music terms and definitions, interval study, ear training (writing down what you hear in a melody, harmony, and rhythm), chord progressions, and harmonic analysis. This course will improve the student's sight-reading skills and performance.



## PHYSICAL EDUCATION

All incoming Freshman are required to take PE 9. This course involves a CPR/First Aid certification unit. Students are encouraged to take a variety of classes to learn skills that they will be able to use for a lifetime. Physical Education stresses lifetime sports and participation. Students must provide their own physical education clothing.

Required Course	Grade
08030 9 <sup>TH</sup> Grade PE	9

Elective Courses	Grade	Elective Courses	Grade
08030 Aerobics	9,10,11,12	08030 Lifetime Sports	11,12
08036 Weights/Physical Conditioning	9,10,11,12	08030 Advanced Lifetime Sports	11,12
08030 10 <sup>th</sup> Grade PE	10		

*NOTE: Students must dress and be prepared to participate in all physical education classes.*

### Required Courses

**9th Grade PE, #08030** **1/2 credit**  
*Grades: 9*

**Description:** A 2 week first aid and CPR unit will be taught. Activities involving team sports of a highly active nature with strong emphasis on physical fitness will be stressed. Included are activities such as badminton, football, floor hockey, softball, volleyball, basketball, and other activities as appropriate. There may be a fee of approximately \$10.00 to cover the cost of certain activities such as ice skating, bowling, or going to the WRCC.

### Elective Courses

**10th Grade PE, #08030** **1/2 credit**  
*Grades: 10*

**Description:** Activities involving team sports of a highly active nature with strong emphasis on physical fitness will be stressed. Included are activities such as softball, volleyball, basketball, badminton, football, floor hockey and other activities as appropriate. There may be a fee of approximately \$10.00 to cover the cost of certain activities such as ice skating, bowling, or going to the WRCC.

**Aerobics, #08030** **1/2 credit**  
*Grades: 9,10,11,12*

**Description:** This course is designed for cardiovascular fitness and exercise. Aerobic exercise will be done at least four days a week. The remaining day will be used for other cardiovascular activities and/or handouts.

**Lifetime Sports, #08030** **1/2 credit**  
*Grades: 11,12*

**Description:** This class will emphasize lifetime activities and may require approximately \$20.00 in costs to cover activities such as ice skating, bowling or going to the WRCC. Included are activities such as: tennis,

softball, basketball, volleyball, soccer, badminton, floor hockey, football and other activities as appropriate.

### **Advanced Lifetime Sports, #08030**

**1/2 credit**

*Grades: 11,12*

**Description:** This class will emphasize lifetime activities at a higher skill level than Lifetime Sports. Students should have a working knowledge of skills and rules of the activities. The class will involve vigorous activity and will be graded accordingly. Included are tennis, softball, basketball, volleyball, soccer, badminton, football, floor hockey and other activities as appropriate. There may be a fee of \$20.00 to cover the cost of certain activities such as ice skating, bowling, or going to the WRCC.

### **Weights/Physical Conditioning, #08036**

**1/2 credit**

*Grades: 9,10,11,12*

**Description:** This class requires a high level of vigorous physical participation. Emphasis will be on physical strengthening and cardiovascular fitness. Some form of lifting and conditioning will be done everyday. There may be a fee of \$10.00 to cover the cost of certain activities or going to the WRCC.

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## **RACTA (Roughrider Area Career & Technology Center Courses)**

*ITV classes are 50 minutes long; therefore, you cannot have an off period during that quarter. However, Tegrity and on line classes can be done on your own time.*

### **Agriculture Education**

#### **Introduction to Veterinary Science–ONLINE (Dual Credit)**

**1/2 credit**

*Grades: 10, 11, 12*

**Description:** The basic concepts of veterinary medicine are presented. The course focuses on the different body systems of the major species of pets and domesticated agricultural animals. Each lesson examines concepts in veterinary medicine to provide the student with a broad understanding of today's field of veterinary science.

### **Information Technology**

#### **Computer Programming-ITV**

**1/2 credit**

*Grades 11-12*

**Description:** This is an Introduction to computer programming by using Visual Basic NET. The course introduces students to the fundamentals of computer programming, simple control, data structures, arrays, classes, recursive process and the use of text files. Students will learn to design, code and test their own programs.

# Marketing Education

## Sports and Entertainment Marketing-ITV

1 credit

Grades 11-12

**Description:** This prepares students for marketing occupations in the area of sports and entertainment. Take a look at the exciting and dynamic field of sports and entertainment and marketing. One of the largest industries in the world, sport marketing provides a unique way of looking at the business world. This course will focus on the two main aspects of sport and entertainment marketing: 1) the marketing of sports and entertainment, and 2) The marketing of non-sports products and services through sports. You will discover why companies pay to be associated with a team or entertainer; how to develop ticket plans to fill seats in the arena; why targeting your marketing efforts is so important. *Pre-requisite is Intro to Business & Marketing*

## SCIENCE

All students in grade 9 must enroll in, Physical Science A and B or Advanced Physical Science A and B. Students in grade 10 must register for Biology A and B or Advanced Biology A and B.

Required Courses	Grade	Required Courses	Grade
13110 Environmental Science	11,12	<i>Choice 1</i>	
<i>Choice 1</i>		13020 Biology A	10
13030 Physical Science A	9	13020 Biology B	10
13030 Physical Science B	9	<i>Choice 2</i>	
<i>Choice 2</i>		13029 Advanced Biology A	10
13030 Advanced Physical Science A	9	13029 Advanced Biology B	10
13030 Advanced Physical Science B	9		

Elective Courses	Grade	Elective Courses	Grade
13062 Geology	11,12	13042 Physics	11,12
13021 Human Anatomy	11,12	13580 AP Biology	11,12
13034 Active Chemistry	11,12	13581 AP Chemistry	11,12
13031 Chemistry	11,12	Lab Aide	11,12
13034 Birds and Mammals	10,11,12	Environmental Science	9,10

### Required Courses

#### Environmental Science #13110

1/2 credit

Grades: 11.12

**Description:** Through readings and explorations, students learn how science serves to further our understanding of the environment. At the same time a variety of features provides students with insights into various environmental issues that stem from human activities such as global warming, acid rain, ozone depletion, and basic Earth Science principles, climate and Geological hazards.

#### Physical Science A, #13030

1/2 credit

Grades: 9

**Description:** This is a course of discussion, problems and experiments in the basic concepts of Chemistry. Students will need a calculator.

**Physical Science B, #13030****1/2 credit***Grades: 9*

**Description:** This is a course of discussion, problems and experiments in the basic concepts of Physics. Students will need a calculator.

**Advanced Physical Science A, #13030****1/2 credit***Grades: 9*

**Description:** This is a course of discussion, problems and experiments in the basic concepts of Chemistry. Students will need a calculator.

**Advanced Physical Science B, #13030****1/2 credit***Grades: 9*

**Description:** This is a course of discussion, problems and experiments in the basic concepts of Physics. Students will need a calculator. *Prerequisites: Algebra I*

**Biology A, #13020****1/2 credit***Grades: 10*

**Description:** The first quarter of Biology covers the World of Life and the Continuity of Life. Topics include the web of life, matter and energy in the web of life, the cell, continuity through reproduction and development, heredity, genetic variation, and evolution.

**Biology B, #13020****1/2 credit***Grades: 10*

**Description:** The second quarter of Biology covers diversity and Adaptation in the Biosphere and Functioning Organisms. Topics include ordering of life, prokaryotes, eukaryotes, food and energy, maintenance of internal environment, and plant and animal form and function.

**Advanced Biology A, #13029****1/2 credit***Grades: 10*

**Description:** This course is an accelerated Biology. In addition to basic Biology concepts, this course will expand on the topics. The first quarter of Biology covers the World of Life and the Continuity of Life. Topics include the web of life, matter and energy in the web of life, the cell, continuity through reproduction and development, heredity, genetic variation, and evolution. The Advanced Biology A course is recommended, but not required for students who plan on taking AP Biology.

*Prerequisites: Teacher recommendation from Science Department*

**Advanced Biology B, #13029****1/2 credit***Grades: 10*

**Description:** This course is an accelerated Biology. In addition to basic Biology concepts, this course will expand on the topics. The second quarter of Biology covers Diversity and Adaptation in the Biosphere and Functioning Organisms. Topics include ordering of life, prokaryotes, eukaryotes, food and energy, maintenance of internal environment, and plant and animal form and function. The Advanced Biology B course is recommended, but not required for students who plan on taking AP Biology.

*Prerequisites: Teacher recommendation from Science Department*

## AP Biology (Dual Credit), #13580

1 credit

Grades: 11,12

**Description:** This course aims to provide students with the conceptual framework for modern biology and to help students gain an appreciation for science as a process. Advanced topics covered will include heredity, molecular genetics, evolutionary biology, diversity of organisms, ecology, and the structure

and function of plants and animals. The 12 required AP Biology labs will also be covered.

**Prerequisites:** *Advanced Biology A or B or recommendation from the Biology Department*

### Elective Courses

## Geology, #13062

1/2 credit

Grades: 11,12

**Description:** Geology will be broken into four areas: the physical aspects of geology, the study of rocks, the historical ages of earth and the basic study of maps.

## Human Anatomy, #13021

1 credit

Grades: 11,12

**Description:** This course will consist of the study of the structure and functions of various parts and systems of the human body. It is an excellent subject for those students interested in nursing, coaching and various medical fields. It is a lab-oriented course. **Prerequisites:** *C or better in Biology*

## Active Chemistry, #13034

1/2 credit

Grades: 11,12

**Description:** A conceptual approach to learning chemistry with an emphasis on the understanding of Chemistry concepts. One of the main goals is to help students visualize Chemistry in a different way without the math background thru the use of labs. **Prerequisites:** *Physical Science*

## Chemistry, #13031

1 credit

Grades: 11,12

**Description:** This course will introduce the modern concepts of atomic structure, the periodic table and the interactions that occur in chemical reactions. There is a considerable emphasis on mathematics in this course, and much time is devoted to problem solving, using chemical equations, and laboratory investigations. Students will need a scientific calculator. **Prerequisites:** *Physical Science*

## AP Chemistry (Dual Credit), #13581

1 credit

Grades: 11,12

**Description:** This advanced chemistry course is a review of and an expansion of general chemistry. In addition, a study of organic chemistry (hydrocarbon compounds and their characteristics) will be studied. The course will involve laboratory work and a considerable amount of mathematics. Students will need a scientific calculator. **Prerequisites:** *C or better in Chemistry*

## Physics, #13042

1 credit

Grades: 11,12

**Description:** This is a one-credit course in Physics including the study of motion, the causes of motion, electricity, and wave phenomena. (i.e. light and sound). There is considerable emphasis on mathematics in

this course, and much time is devoted to problem solving and laboratory investigations. Students will need a scientific calculator. *Prerequisites: Algebra II*

**Birds and Mammals, #13034**

**1/2 credit**

*Grades: 10,11,12*

**Description:** This course is a study of birds and mammals. It will cover structures, habitats, and relationships of birds and mammals of North Dakota and around the world.

**Student Lab Aide**

**1/2 credit**

*Grades: 11,12*

**Description:** One student per quarter to help organize labs and inventory for all Science Classes.  
*Prerequisites: Chemistry*

**Environmental Science #13110**

**1/2 credit**

*Grades: 9,10*

**Description:** Through readings and explorations, students learn how science serves to further our understanding of the environment. At the same time a variety of features provides students with insights into various environmental issues that stem from human activities such as global warming, acid rain, ozone depletion, and basic Earth Science principles, climate and Geological hazards.

**SOCIAL STUDIES**

Required Courses	Grade	Required Courses	Grade
15085 US History	11	15085 Modern Nations	10
15085 Early Civilizations	9	15111 American Government	12
		15060 Economics	12

Elective Courses	Grade	Elective Courses	Grade
15070 World Geography	9,10	15401 North Dakota History	9,10,11,12
15130 Sociology	9,10	15118 Law & Justice	11,12
15120 Basic Psychology	10,11,12	15089 Current Issues	9,10,11,12

Dual Credit Courses	Grade	Dual Credit Courses	Grade
15111 Honors American Government	12	15120 Applied Psychology	11,12
15085 Honors Modern Nations	10	15581 AP Economics	12
15585 AP US History	11		

**Required Courses**

**American Government, #15111**

**1/2 credit**

*Grades: 12*

**Description:** The basic roots of democracy will be introduced in this course. Colonial governments and the formation of the Declaration of Independence, the Constitution, and the Bill of Rights will be a primary focus. In addition, the three branches of both the federal and state governments will be stressed. A unit on local government will also be part of the class.

## Early Civilizations, #15085

1/2 credit

Grades: 9

**Description:** Early Civilizations takes a comprehensive look at the early civilizations that shaped the world we live in today. Civilizations' and time periods studied include: Classical Greeks, Rome (Republic and Empire), Middle Ages, Renaissance and the Age of Exploration. Students will gain an understanding how each of these ancient cultures and time periods have contributed to the rise of western civilization.

## Economics, #15060

1/2 credit

Grades: 12

**Description:** This course is a study of the American Economy as well as other economic systems used around the world. The course has a primary microeconomic focus. However, some macroeconomic issues will be covered. Included in the course are topics related to comparative economies, taxation, the stock market, economic performance measurement, and banking. A special effort to cover personal finance will be made.

## Modern Nations, #15085

1/2 credit

Grades:10

**Description:** A history of the Modern Age changes in the world through exploration, colonization, revolution, and imperialism of areas in our world including the Far East and Africa and it's effects on our world today. *Prerequisites: Early Civilization*

## US History, #15085

1 credit

Grades: 11

**Description:** An in-depth study of the relevant events, people, and events from the Post Civil War period to the present. The course brings to the student America's rich past and emphasizes the impact of events in America on the present world.

## Elective Courses

### Basic Psychology, #15120

1/2 credit

Grades: 10,11,12

**Description:** Psychology is a study of the behavior of man. The course will deal with topics on understanding behavior, stress, frustrations, adolescence, dreams and other topics/discussions important to understanding human behavior.

### Current Issues, #15089

1/2 credit

Grades: 9,10,11,12

**Description:** This course deals with current topics at the local, state, national and international levels. Videotapes, magazines, newspapers, books and other resources will be used to develop this course.

### Law & Justice, #15118

1/2 credit

Grades: 11,12

**Description:** This course is an attempt to provide the student with an understanding and appreciation of law as it relates to the criminal justice system. Emphasis is also placed on family, consumer and housing law

in our legal system. Much of the material is of a general nature, but an effort is made to relate, when possible, to North Dakota law.

### **North Dakota History, #15401**

**1/2 credits**

*Grades: 9,10,11,12*

**Description:** This class will focus on the unique history of North Dakota with an emphasis on Native American Relations, Geography, Agriculture and Government of this state.

### **Sociology, #15130**

**1/2 credit**

*Grades: 9,10*

**Description:** Sociology is a study of group behavior and its influence on the individual. Areas of study will include cultural influence, family, institutions and social processes. Areas of study will deal with social problems such as minorities, violence, population and crime.

### **World Geography, #15070**

**1/2 credit**

*Grades: 9,10*

**Description:** World Geography is an overview of physical and cultural geography explaining the relationship of people and their environments. The course will make the student aware of the world around him.

## **Dual Credit Courses**

### **AP Economics (Dual Credit, optional) #15581**

**1 credit**

*Grades: 12*

**Description:** Registration for 3 college credits is available through the instructor and DSU. This course involves the study of microeconomics. It includes units about Economic Scarcity, the Law of Supply and Demand, the Business Firm, Business Firm Resource allocation, Taxation and Government spending, Personal Finance, and other microeconomic topics. ***Students who take AP Economics will still be required to take American Government.***

### **AP US History (Dual Credit, optional), #15586**

**1 credit**

*Grades: 11*

**Description:** Registration for 3 college credits is available through the instructor and DSU. This is an intense study of the entire history of the United States and is offered for college credit in either the dual credit system or through the AP exam. It will start with the history of the natives living in America before the voyage of Columbus and will end with the recent history of our country. In order to succeed you will need to prepare yourself to manage a challenging and demanding work load that is far and above what you would receive in a more traditional history course, and much of the learning and work will take place on your own outside of class. However, after taking this course you will not only have a deeper understanding and appreciation of America, you will also learn to think, read, analyze and write at the highest levels. The academic skills, habits, and organization you gain and develop during this course will give you an edge in college and throughout life.



**Applied Psychology (Dual Credit, optional), #15120****1/2 credit***Grades: 11,12*

**Description:** Registration for 3 college credits is available through the instructor and DSU. This course is a continuation of Basic Psychology. Topics covered will include a study of specific emotional disorders, major approaches to therapy and other topics/discussions important to a greater understanding of human behavior. *Prerequisites: Basic Psychology*

**Honors American Government (Dual Credit, optional), #15111****1/2 credit***Grades: 12*

**Description:** Registration for 3 college credits is available through the instructor and DSU. American Government is an introductory course focusing on the fundamentals of American Government and its political systems. Students will study the history, functions, structure and powers of the federal, state and local governments within the U.S. system of democracy.

**Honors Modern Nations (Dual Credit, optional), #15085****1/2 credit***Grades:10*

**Description:** Registration for 3 college credits is available through the instructor and DSU. This Honors level class will take an in-depth view of the history of our world since the enlightenment. Emphasis will be placed on interactions between cultures that have led to cultural diffusion and conflict. Units of study will include Enlightenment and its effects on world revolutions through the 18th and 19th Century. The Industrial Revolution and its impact on our world today. The rise and fall of communism and its residual effects today. The conflicts in the Middle East and Africa will studied so students understand how cultural differences can lead to conflict and genocide. Finally, each student will evaluate our world today and their future roles in our world as a global neighborhood.

## STUDENT AIDE

Elective Courses	Grade	Elective Courses	Grade
50950 Library Aide	12	50116 Office Aide	12
50234 Student Aide	11,12	10091 Communication Tech Aide	11,12
10091 Production Tech Aide	11,12		

### Communication Technology Student Aide #10091 ½-1 credit

*Grades: 11, 12*

**Description:** Student Aides will assist the instructor in the classroom. Activities include helping monitor the lab, peer tutoring, and demonstrating how to do a certain modular activity such as sand carving, embroidery, screen printing, etc. ***Prerequisites: Communication Tech & Teacher Approval***

### Library Aide #50950 1/2 credit

*Grades: 12*

**Description:** Library aides are taught on a one-to-one basis how to serve the other students in the library. Their varied duties consist of checking out books, reshelving books properly, being responsible for one section of the library stacks, processing magazines, checking magazines out and putting them away, filing a catalog card, getting vertical file material for students and locating reference materials for themselves and others.

### Office Aide #50116 1/2 credit

*Grades: 12*

**Description:** Office aides will assist the Student Affairs office. The student aides will do general office work, such as picking up attendance slips, helping with the daily attendance record keeping, answering the phones and delivering messages to faculty and students. ***Prerequisites: Prefer students with secretarial background***

### Production Technology Student Aide #10091 1/2 credit

*Grades: 11, 12*

**Description:** Student aides will assist the instructor in the classroom. Activities include helping monitor the lab, peer tutoring, and demonstrating how to do a certain modular activity such as sand carving, embroidery, CNC milling, lathe production, etc. ***Prerequisites: Production Tech & Teacher Approval***

### Student Aide (General) #50234 ½-1 credit

*Grades: 11, 12*

**Description:** Student Aides will assist instructors in classrooms and the Academic Learning Center. Activities include peer tutoring, monitoring labs, monitoring student daily work, etc. Students with an interest in teaching or other helping professions are encouraged to seek approval for this class. ***Prerequisites: Approval of Associate Principal***

## Student Aide (ALC) #50234

Grades:11,12

½-1 credit

**Description:** Student Aides will in the Academic Learning Center. Activities include peer tutoring, monitoring student daily work, typing notes and general clerical assistance. Students with an interest in teaching or other helping professions are encouraged to seek approval for this class.

**Prerequisites:** *Approval of ALC Supervisor. Grade of A or B in Algebra II*

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## TECHNOLOGY

Elective Courses	Grade
10251 Communication Technology	9,10,11,12
10410 Engineering Technology	11,12
10094 Foundations of Technology	9,10,11,12
10110 Production Technology	9,10,11,12

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### Communication Technology, #10251

1/2 credit

Grades: 9,10,11,12

**Description:** This course introduces students to the world of communication and how it is applied in today's society. Students will learn in a station approach things such as: video editing, audio communications, animation, design and applications of designs. **Lab Fee \$15.00**

### Engineering Technology, #10410

1/2 credit

Grades: 11,12

**Description:** Students will be introduced to the areas of engineering. They will use applications of sciences and mathematics to problem solve. They will also create their own engineered projects.  
**Prerequisites:** *Geometry, Lab Fee \$15.00*

### Foundations of Technology, #10094

1/2 credit

Grades: 9,10,11,12

**Description:** This class prepares students to understand and apply technological concepts and processes that are the cornerstone for technology today. Group and individual activities engage students in creating ideas, developing innovations, and engineering practical solutions. Technology content, resources, and laboratory/classroom activities apply student applications of science, mathematics in authentic situations.

### Production Technology, #10110

1/2 credit

Grades: 9,10,11,12

**Description:** This course introduces students to all the aspects of production. A station approach introduces them to the basic functions of production. Students will learn in a module approach things such as sand carving, wood lathe production, plastics and problem solving. **Lab Fee \$15.00**

## TRADES

Elective Courses	Grade	Elective Courses	Grade
37020 Exp Drafting & Design Careers I	9,10,11,12	17310 Recreation Engine Tech I	10,11,12
37020 Exp Drafting & Design Careers II	9,10,11,12	17311 Recreation Engine Tech II	11,12
17130 Advanced Drafting and Design I	11,12	17236 Welding I	10,11,12
17131 Advanced Drafting and Design II	12	17237 Welding II	11,12
37020 Exp Construction Careers 1A	9,10,11,12	17237 Welding III	12
37020 Exp Construction Careers 1B	9,10,11,12	17038 Automotive General Service Tech I	11,12
17100 Con Tech I	10,11,12	17039 Automotive General Service Tech II	12
17117 Con Tech II	11,12		

### Exploring Drafting and Design Careers I, #37020

**1 credit**

*Grades: 9,10,11,12*

**Description:** Students will be exposed to a minimum of nine different careers in the design/pre-construction pathway portion of the architecture and construction career cluster. The careers include interior design, drafting, CAD, civil, code inspector, architecture, landscaping, estimating, and pictorials. Both board and CAD (Computer Aided Drafting) tools will be utilized. The student is expected to develop a proficiency in line quality, lettering and drawing layouts. Fundamental knowledge of drawing principles, standards and equipment will be covered. Students will learn skills to visualize, interpret and describe an object completely by graphic information.

### Exploring Drafting and Design Careers II, #37020

**1 credit**

*Grades: 9,10,11,12*

**Description:** A continuation of ECDDI, this course will take an in-depth look at standard drawing formats that are used in fields of drafting. Students will refine their ability to interpret and describe objects graphically. They will also dimension objects completely using drafting conventions and codes and will continue to develop good working habits through problem-solving techniques and work-related experiences. Both board and CAD tools will be utilized. ***Prerequisites: EDDCI***

### Advanced Drafting and Design I, #17130

**2 credits**

*Grades: 11,12*

**Description:** The student will use CAD to complete drawings used in different fields of drafting. The student will develop a proficiency in CAD commands and their applications. The student will produce drawings similar to those used in the drafting and design fields. The student will utilize various software programs and work in 2D and 3D formats. Skills USA membership is expected. ***Prerequisites: EDDCII***

### Advanced Drafting and Design II, #17131

**2 credits**

*Grades: 12*

**Description:** The student will use advanced CAD skills while working independently and on a variety of projects. Project management will be explored and job shadows will be encouraged. Presentation skills will also be emphasized. The student will use their knowledge to produce drawing packages in different fields of drafting. Skills USA membership is expected. ***Prerequisites: ADDI***

## **Exploring Construction Careers 1A, #37020**

**1/2 credit**

*Grades: 9,10,11,12*

**Description:** Students will be introduced to many careers in the managing, and building industries. Coursework will include these career areas: General Contractor/Builder, Construction Manager, Project Manager, Construction Foreman, Carpenter, Subcontractor and Construction Craft Laborer. Students will be introduced to many of the tools used in woodworking and the construction field. Students will be taught general shop and tool safety.

## **Exploring Construction Careers 1B, #37020**

**1/2 credit**

*Grades: 9,10,11,12*

**Description:** This course will explore careers in the managing, and building industries. Coursework will include these area: Specialty Contractor, Electrician, Carpenter, Concrete Finisher, Mason, Roofer, Plumber, Pipe Fitter, and Drywall Installer. Students will be taught general shop and tool safety.

## **Con Tech I, #17100**

**1 credits**

*Grades: 10,11,12*

**Description:** Students will learn about materials of the construction industry including lumber and manufactured products. Students will build a project or projects that will allow them to improve their tool and woodworking skills.

## **Con Tech II, #17117**

**2 credits**

*Grades: 11,12*

**Description:** This course is designed to teach the use of woodworking machines and hand tools necessary for the construction of a residential dwelling. Classroom instruction as well as practical application is included. *Prerequisites: Con Tech I*

## **Automotive General Service Technology I, #17038**

**2 credits**

*Grades: 11*

**Description:** The General Service Technology program begins with an orientation to the eight areas of NATEF standardized programming – Engine Repair, Automatic Transmissions, Manual Drive, Suspension and Steering, Brakes, Electrical/Electronic Systems, Heating and Air Conditioning and Engine Performance. This is a sequential course and is a prerequisite to Automotive General Service Technology II.

## **Automotive General Service Technology II, #17039**

**2 credits**

*Grades: 12*

**Description:** The second year General Service Technology program consists of continuing orientation to Engine Repair, Automatic Transmissions, Manual Drive, Suspension and Steering, Brakes, Electrical/Electronic Systems, Heating and Air Conditioning and Engine Performance. Students must complete the Electrical/Electronic Systems standard to pass complete the course. Automotive General Service Technology is a preparatory program to enter college Automotive Technology. *Prerequisites: Automotive Technology I*

## **Recreational Engine Technology I, #17310**

**1 credit**

*Grades: 10,11,12*

**Description:** This course will cover maintenance and repair of small engines such as lawnmowers, tillers, outboard motors, motorcycles, and snowblowers. This includes principles of the internal combustion engine, operation, reading technical manuals, and customer relations.

## **Recreational Engine Technology II, #17311**

**1 credit**

*Grades: 11,12*

**Description:** This course is a continuation of Recreational Engine Technology I. This is a more individualized and hands on approach to the repair of internal combustion engines. The student will use technical manuals to read and repair the unit selected to be reconditioned. This will include motorcycles, outboard motors, snowmobiles, and other units as selected by the instructor. The student will be asked to work with repair orders, parts, disassembly and assembly to manufacturer's specifications.  
**Prerequisites:** *Recreational Engine Technology I*

## **Welding I, #17236**

**1 credit**

*Grades: 10,11,12*

**Description:** This welding class will cover arc and oxy-acetylene welding and cutting. The class will give ample time for building projects. Students interested in the field of automotives, machine shop, refrigeration and engineering will find the class helpful in college.

## **Welding II, #17237**

**2 credit**

*Grades: 11,12*

**Description:** This course will cover all types of welding, such as stick welding, oxy-acetylene (gas welding). "Tig" (tungsten inert gas welding), "Mig" (metal inert gas welding), and spot welding positions with both gas and arc welding. Soldering and cold metal work will be introduced as part of the course. Blueprint reading, layout and symbols are introduced. Skills USA membership is expected.  
**Prerequisites:** *Welding I*

## **Welding III (Dual Credit), #17237**

**2 credit**

*Grades: 12*

**Description:** Welding III is a continuation of Welding II, working towards perfection in all phases of welding and stressing the use of the "Mig" and "Tig" welders. The use of pipe bevellers and the welding of pipe to be used on high pressure pipe lines included. Blueprint and shop print reading as well as layout work will be taught. Skills USA membership is expected. **Prerequisites:** *Welding I & II*

## OPTIONS/DIVERSIFIED

### Diversified Occupations I/Classroom

1/2 credit

*Grades: 11,12*

**Description:** This is a class designed to help the student get a job and keep a job. A regular part of the curriculum will be visits to businesses in the area and sessions with various business leaders.

### Diversified Occupations II/Work Experience

1/2 credit

*Grades:11,12*

**Description:** This is a class designed to help the student plan a career, advance in a career, and get the training necessary to have a career. Requirements include mandatory class meetings and coursework plus a supervised work experience in the community. *Prerequisites: Diversified Occupations I and Instructor Approval*

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## ALTERNATIVE COURSES

*Requirements: Entry into this program is determined by the instructor.*

### Strategy 9

1/2 credit

*Grades: 9*

**Description:** This is a class that focuses on 12 strategies that enhance learning in regular classes. These strategies include: work identification, social skills, visual imagery, self questioning, paraphrasing, interpreting visual aids, first letter mnemonic, listening and note taking, sentence writing, error monitoring, assignment completion, and test taking. Progress will be monitored as to how these skills are being transferred and carried over into the regular classes. *Prerequisites: Prior Approval*

### Navigating Society

1/2 credit

*Grades: 9,10,11,12*

**Description:** This class is designed to help students learn and apply social strategies to successfully interact in various environmental situations. Also, this class is designed to increase social competence through learning a 5-point scale to identify different social behaviors. This 5-point scale will help students better understand confusing and stressful social encounters. *Prerequisites: Prior Approval*

### Equip I

1/2 credit

*Grades: 9,10,11,12*

**Description:** Equip is a highly effective curriculum that motivates and equips young people to help one another. The curriculum teaches anger skills, social skills and moral development. *Prerequisites: Prior Approval*

## Equip II

*Grades: 9,10,11,12*

**1/2 credit**

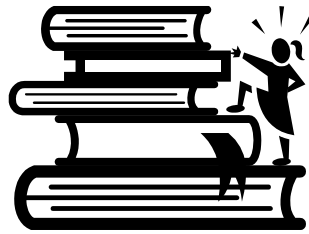
**Description:** Equip is a highly effective curriculum that motivates and equips young people to help one another. The curriculum teaches anger skills, social skills and moral development. Students are expected to apply knowledge learned from Equip I and take a leadership role within the group. ***Prerequisites: Equip I***

## Transition Strategies

*Grades: 12*

**1/2 credit**

**Description:** This class will assist students in making a smooth transition from high school to the real world. It will clarify goals, future employment plans, social skills and independent living skills. The class will guide students with their families, educators, and community service providers in a unified effort to develop a plan for successful preparation for adult life. Self awareness, exploration of career options, post secondary education opportunities, accommodation planning, student responsibility, accessing financial assistance and independent living strategies will be discussed. ***Prerequisites: Prior Approval***



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