

# **CARIBOU HIGH SCHOOL**



**Program of Studies**

**2019 - 2020**

## INTRODUCTION

Selecting a course of study for the coming school year is a personal and important process. Students should select courses carefully and consult parents, teachers and guidance personnel. Choosing a challenging program will offer students greater opportunities upon graduation from Caribou High School.

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### **Caribou High School Vision Statement**

We envision Caribou graduates as responsible individuals who take pride in their work, adapt positively to change, and demonstrate sound judgment. They take an interest in civic affairs, respect the interdependence of humankind, and acknowledge the importance of a healthy global environment.

Caribou graduates demonstrate a proficiency in a common core of knowledge. As critical thinkers, they approach learning eagerly and solve problems using a variety of acquired skills. They are able to communicate effectively as readers, writers, speakers, and listeners.

Our graduates also seek a balance in their personal, professional, and intellectual lives. Above all, they are lifelong learners who can apply essential knowledge in an ever-changing world.

### **Caribou High School Mission Statement**

Caribou High School is committed to creating a safe learning environment where students pursue an individually challenging and equitable course of studies. The atmosphere at Caribou High School fosters self-esteem, values diversity, and promotes life-long learning. The staff holds high expectations for all students and encourages them to reach their full potential.

### **Academic Expectations**

#### **Students will:**

1. Speak effectively
2. Write effectively
3. Read with comprehension
4. Use technology effectively
5. Use critical thinking skills
6. Use problem solving skills
7. Demonstrate proficiency in the standards
8. Attend school daily
9. Assume responsibility for their own behavior
10. Exhibit academic integrity

### **Social Expectations**

#### **Students will:**

1. Accept responsibility and consequences for personal decisions and actions
2. Demonstrate an awareness and sensitivity for differences and similarities among people in our diverse society
3. Demonstrate a maturing work ethic
4. Make informed decisions concerning personal health and safety
5. Demonstrate positive conflict resolution skills
6. Interact positively and cooperatively with others
7. Realize the impact of human actions on the natural environment

### **Civic Expectations**

#### **Students will:**

1. Perform community service
2. Exhibit civic responsibility

## GRADUATION REQUIREMENTS

In order to graduate a minimum of 20 Credits must be earned in the following areas:

|                      |  |
|----------------------|--|
| English              | 4 Credits  |
| Mathematics          | 3 Credits  |
| Science              | 3 Courses * (Must Include Integrated Chemistry, Integrated Biology, Integrated Physics Integrated Earth Science) |
| Social Studies       | 3 Credits (Must include Global Studies, American Studies and one other Social Studies elective)                  |
| Fine Arts            | 1 Credit   |
| Physical Ed. (1 & 2) | 1 Credit   |
| Health               | 1 Credit   |
| Community Service    | ½ Credit (50 hours)  |
| Electives            | 3½ Credits   |
| Total                | 20 Credits   |

An Adult Education or college class in English may be requested for junior/senior students who need a fourth (4<sup>th</sup>) English in order to graduate in four years (or more). Students wishing to graduate early must complete a college English class of one semester in length.

At Caribou High School, students will earn Credits toward graduation. They will have multiple opportunities to demonstrate mastery through a variety of classroom and school assessments. At Caribou High School, we will make every effort to ensure that all of our students have the academic preparation and appropriate instruction to achieve success.

Caribou students have the opportunity to earn one work credit for 200 hours of paid work. Please see a counselor for information.

Certain courses are designated dual credit at Caribou High School (CHS) through the University of Maine at Presque Isle (UMPI). A grade of 77 must be attained in the CHS course to receive credit at UMPI. A cost of \$15.00 per credit hour is incurred. Upon successful completion a student will receive University credit at UMPI. Please see course descriptions for qualifying courses.

Caribou High School also has a dual credit agreement with The University of Maine at Fort Kent for English Composition I & II. A grade of 73 or higher in the CHS English 12 course must be attained in order to receive University credit at UMFK. There is a \$97.50 per three credit course cost incurred. Please see a guidance counselor for more information about this course.

In order to graduate, students in the Classes of 2018, 2019 & 2020 must earn 20 Credits, including all of the graduation requirements. Students in the Class of 2021 will be graduating based on standards in each of the content areas in order to earn a proficiency based diploma.

## GRADUATION REQUIREMENTS VS. COLLEGE REQUIREMENTS

The graduation requirements listed in this guide have the minimum needed to earn a Caribou High School diploma. Students and parents should be aware that college entrance requirements may differ and extra classes may be needed. For example, the University of Maine system requires two years of a foreign language (same language) while currently Caribou High School does not have a foreign language requirement. However, some colleges require more than two years of a foreign language as an entrance requirement. Colby and Bates Colleges each require three years of a

foreign language while Bowdoin recommends four years of a foreign language. Requirements may vary even within the same college. A student applying to Southern Maine Community College will need to take College Prep Physics and Algebra II for a major in Respiratory Therapy while a student interested in a Culinary Arts major only needs Algebra I. Therefore it is critically important for parents and students to communicate with each other and with a guidance counselor whenever the student indicates a career path that involves college plans. The counselors can look up the information or consult with a college admissions counselor to make sure the Caribou student is taking the classes needed for a particular major.

## **POLICIES, PROCEDURES, AND PRACTICES**

### **Academic Integrity**

All members of the Caribou High School learning community are expected to exhibit honesty and integrity at all times. Academic work submitted by a student must be original. Copying or allowing other students to copy outside class work; plagiarism of other people's words or ideas, including failure to cite written, electronic, or verbal sources; fabrication of information or citation in an academic exercise; cheating on exams; or the theft, distributions, or unauthorized use of testing materials will not be tolerated.

### **Definitions**

**Cheating:** *Intentionally using or attempting to use study aids, notes, or information in any academic exercise.*

- A. looking on someone's paper or using a "cheat sheet" while taking a test allowing someone to copy answers while taking a test
- B. giving test information/answers to students in other sections of the same class
- C. turning in a paper that you bought from a service or received from some other source
- D. submitting the same work to more than one other teacher without the teacher's permission
- E. using memory calculators (without teacher permission), cell phones, or other electronic devices while taking a test

**Plagiarism:** *Intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise.*

- A. quoting a source and failing to provide proper citation putting a source's text into one's own words (paraphrasing) and not citing the source
- B. copying someone else's computer disc for a project, class work, or assignment and submitting it as one's own
- C. cutting and pasting sections of source information without citations

**Fabrication:** *Intentional and unauthorized falsification or invention of any information or citation in an academic exercise.*

- A. making up data on a lab assignment
- B. making up a source to use as a citation for a paper
- C. making up the content of a research project/paper
- D. changing answers and grades on tests/papers/projects and resubmitting them to the teacher

### **Add/Drop**

Add/drop period ends 10 days after the beginning of the first semester and ends 5 days

after the beginning of the second semester. A class dropped after add/drop period will result in a grade of 60. Students transferring due to inappropriate placement to a higher or lower level class will transfer with the grade earned; in this case the drop 60 does not apply. This request must obtain parental and administrative permission. Dropping a class with a 60 will affect extra-curricular eligibility.

### **Advance Placement and Honors Courses**

Enrolling in Honors and Advanced Placement Classes offered at Caribou High School will be based on availability and proven academic ability. Criteria may include (but is not limited to) GPA, test scores, and grades.

### **Affirmative Action Policy Statement**

Caribou High School recognizes the dignity of the individual student and employee to work, learn and live in an environment, which is free of discrimination and harassment on the basis of sex, race, national origin, sexual orientation, age, religion, marital status, or handicap. Caribou High School assures compliance with all federal and state laws, rules and regulations regarding civil and human rights. For more information about any of these programs, call the high school at 493-4260 or see your guidance counselor.

### **Alternative Education**

Students who wish to explore an optional high school setting may request an application for acceptance to attend the Alternative Education Program. This program offers small class settings and small group instruction. A Caribou High School diploma will be granted upon completion of required coursework. Please see a guidance counselor for an application.

### **Blended Learning**

The RSU 39 Blended Learning Program provides academic coursework through an online, virtual curriculum along with in person support from a teacher. Motivated and self-directed students who are interested in a virtual blended high school setting may want to consider some options through the Blended Learning Program. While the bulk of the coursework must be done independently, learning lab appointments must be attended each week for face to face support and direct instruction. Additional proficiency based curriculum can also be provided and supported through the Alternative High School. Successfully completed coursework will count towards your Caribou High School Diploma. This program provides support to students for:

Classes of **all** levels that you cannot fit into your schedule  
SAT preparation  
AP classes  
Credit recovery  
Home schooling  
Career and Technical students  
Electives



<http://tinyurl.com/zaakw4n>

Visit here for more information and a complete listing of courses

Please see your guidance counselor for an application

## Clubs & Organizations

Caribou High School offers a wide variety of clubs, organizations, and athletic teams. These activities provide students with an opportunity to learn outside of the classroom, develop leadership skills, make friends, and have fun. Students are encouraged to get involved in as many activities as possible to enhance their high school experience. Eligibility standards are required for participation.

|                                |                          |
|--------------------------------|--------------------------|
| Alpine Skiing                  | Boys JV Baseball         |
| Boys JV Baseball               | Boys Varsity Baseball    |
| V Cheerleader                  | Class Officers           |
| Chess Club                     | Civil Rights Team        |
| DECA                           | Drama Club               |
| FFA                            | French Club              |
| Guidance/Office Helpers        | Friends of Rachel        |
| Girls, Boys V Cross Country    | Gifted and Talented      |
| Girls, Boys V Nordic Skiing    | Girls, V Softball        |
| Girls JV Softball              | Girls, Boys V Basketball |
| Girls, Boys JV Cross Country   | Girls, Boys V Soccer     |
| Girls, Boys JV Basketball      | Girls, Boys V Track      |
| Girls, Boys JV Soccer          | Golf                     |
| Girls, Boys JV Track           | Homeroom Representatives |
| Girls, Boys Tennis             | Jazz Choir               |
| Intramural Volleyball          | Key Club                 |
| Jazz Band                      | Math Team                |
| Junior Exhibition              | National Honor Society   |
| Maine Ed. Talent Search (METS) | Student Council          |
| Skills USA                     | Yearbook                 |
| Upward Bound                   | Wrestling                |

## Community Service Requirement

High school community service can be a valuable resource to the city and can help to develop many positive qualities in our youth. Community service programs not only facilitate citizenship education, but experience has shown that community service increases student self esteem, builds academic and leadership skills, and contributes to career education.

Students may complete the 50 hours in one year, but 12 1/2 hours per year is recommended. Requests for exclusion from this requirement for medical or personal reasons must be submitted in writing to the principal.

Every student at CHS must complete 50 hours of documented community service as a graduation requirement. Upon completion of these hours, 1/2 Credit will be awarded.

Each student will complete a community service form and obtain parent and homeroom adviser approval **prior** to actual work. A form will be signed by the supervisor of the project and will be collected by the homeroom advisor.

Service must be performed for a non-profit organization or other individuals for "no pay". Community Service is not awarded for work done in your own home, baby sitting, or for relatives. Examples include but are not restricted to working for:

Library  
City Government  
Chamber of Commerce  
Recreation Department  
Veterans' Home  
Church  
Snowmobile Club  
Political Organizations  
Hospital

Little League  
Big Brother / Big Sister  
Substance Abuse Program  
United Way  
Salvation Army  
Red Cross  
Food Kitchen  
Service Clubs  
Schools (tutoring, reading to elementary students,  
class projects, etc.)

### **Course Listings**

Courses listed are subject to change due to a variety of reasons. The Guidance department will inform students as necessary.

### **Course Load**

Students enrolled in the regular school program must carry a scholastic load of five periods or more.

### **Work Service Credit**

A credit will be issued for students who show 200 hours of work outside of school. Students should bring in pay stubs for verification of hours and see a guidance counselor.

### **Course Selection**

Course selection will be offered to upper classmen first.

### **Early Graduation**

An early graduation option is available to students who comply with RSU 39 policy. Students must meet with a guidance counselor and have principal's approval prior to their junior year.

### **Summer School Year Programs**

#### **Grade 9 -12**

Students may attend a four-week Summer School Program to make up credit for a failed course. In order for students to earn Credit for courses, they must successfully complete all summer school expectations. Students successfully completing a Summer School course will obtain a grade of 70 on their transcripts. Course requirements not completed at the conclusion of an extended school year will receive a failing grade for the course.

### **Summer School Offerings**

#### **1 Credit Remediation Courses \***

English  
Math  
Science  
Social Studies

\*Summer courses are only offered if certified instructors can be hired.  
(Additions and deletions may be made to those course offerings as needed. Please contact the Summer School Coordinator in for more information.)



## **Gifted & Talented Program**

G&T services are offered to identified students. The G&T coordinator will meet with parents and student to develop a learning plan.

## **Guidance Services**

The Guidance Department at Caribou High School exists as a supportive service to the learning process. The services provided focus on helping students concentrate on learning. By helping students develop their emotional, social and career well being, students will better understand themselves.

The aspect of education, being a life-long process, is of paramount importance to the function of the Caribou Guidance Department. The link between learning at the high school level and the connection to career and personal fulfillment extends well beyond graduation. Therefore, as important as providing accurate career and educational information is to students, of even greater significance is developing in students the ability to successfully negotiate the maze of technology and information in the future.

The Caribou Guidance Department offers many services to assist students in their journey of self-discovery. These services include:

1. Academic advising, including course selection and scheduling.
2. Individual short-term counseling regarding personal problems or concerns.
3. Group counseling issues of teen concern may include substance abuse, teen suicide, filling out college applications and other pertinent issues.
4. Information about careers and post-secondary education
5. Administration of testing program. Tests administered at Caribou High School include the NWEA, PSAT, SAT, Advanced Placement Tests, interest inventories.
6. Information about financial aid and scholarships
7. Provide information concerning a student's records. This includes accurate record keeping of grades, test scores, attendance and Credits.

Students are encouraged to seek out a guidance counselor when in need of assistance with an academic or personal problem. Information shared with a guidance counselor is confidential. The counselor must not abridge this confidentiality. The exception would be when there is clear and present danger to the student and/or other persons. Students are encouraged to schedule appointments with the counselor for times that do not interfere with classes. These times include study halls, lunch periods, before and after school. The Guidance Department is open from 8:00 a.m. - 3:30 p.m.

## **Incomplete Work**

Students who have not completed coursework in a ranking period due to extenuating circumstances may have an extend time to make up work. Students will receive incomplete for missing assignments and standards on the report card with the understanding that when outstanding work is completed the grade will be changed. It is important for students to meet with their teachers to make a plan for completing incomplete work.

## **Peer Tutoring**

Peer Tutor - Students with an average of a B or better can become a peer tutor in Caribou High School's Transition Center. Peer tutors exchange their study halls for peer tutoring periods in the Transition Center. Students who have a full schedule can be a peer tutor before or after school or during their lunch period. Peer tutors can earn community service hours or a half-credit on their transcript if they act as a peer tutor for 126 days of the school year. Students who want to become peer tutors will need to submit a teacher recommendation and a letter of intent to the Director of the Transition Center, request a study hall (for tutoring) when signing up for classes, and attend a summer training session during the last week of summer vacation.

Being a peer tutor can be a rewarding experience and can be a positive addition to a transcript or resume.

If you would like more information, please contact Mrs. Hancock at [hhancock@rsu39.org](mailto:hhancock@rsu39.org).

## **CHS Library**

The Caribou High School Library provides both on-line and in-house materials, which support and enhance the school's curriculum. The library opens at 7:55 and closes at 3:05 every day.

The library environment allows for individual research, leisure reading, class projects, and computer applications. Reading is always strongly encouraged and we provide many recommended reading lists including our own RAP (Reading Award Winning Picks) list. Our Young Adult Fiction is excellent and up-to-date. In partnership with the Caribou Public Library, we sponsor a student book group that meets once a month during lunch to read and discuss literature.

The library welcomes memorial and tribute gifts. A legacy gift of a book is the perfect way to celebrate a student's graduation or birthday. Recipients are notified of your gift and a bookplate is placed in the book. Unrestricted gifts allow the library to support the collection's greatest needs, but patrons may designate a specific title, genre, or subject.

Many on-line resources are available to our students through the CHS Library Website at [rsu39.org/schools/chs/library/homepage.html](http://rsu39.org/schools/chs/library/homepage.html). Current research projects are posted on-line so that students can access and work on their assignments from home or school. Some databases, including SIRS Researcher, NoodleTools, and Teen Health and Wellness are password protected and can be accessed by using the CHS Library Business Cards. Atrium, our on-line 24 hour access patron catalog (OPAC), provides an electronic database of the library's holdings.

The library is intended as an area for research and reading. Students who come to use the library are expected to work quietly. Those students who do not follow library policy and procedures will be asked to leave and may lose the privilege of coming to the library during their lunch or study hall.

Overdue fines, in the amount of .05 per day to a maximum of \$2.00 per item are charged for late materials. Students receive a bimonthly overdue/fine slip in their homerooms to remind them of late materials and fines. This fine money is put to good use as it purchases additional materials for students.

The library provides an excellent opportunity for students to earn their Community Service. As a library aide, students learn many skills as they take care of the circulation desk and process books, file materials and help with on-going projects.

### **Aspirations**

Certain college courses are available to juniors and seniors through the Aspirations Program where tuition is waived. Certain conditions apply – see a guidance counselor.

## **CARIBOU HIGH SCHOOL PROGRAMS**

### **ENGLISH LANGUAGE ARTS**

Every student in the state of Maine must complete 4 years of high school English/Language Arts. Students at Caribou High School can expect to pursue a program which offers many opportunities to improve reading, writing, speaking, vocabulary building, listening, study skills, computer skills, research and career preparation. At each level in every grade, students will work toward certification in the following content standards.

#### **English Language Arts Areas of Study:**

- A. *Process of Reading*
- B. *Literature and Culture*
- C. *Language and Images*
- D. *Informational Text*
- E. *Process of Writing and Speaking*
- F. *Standard English Conventions*
- G. *Stylistic and Rhetorical Aspects of Writing and Speaking*
- H. *Research-Related Writing and Speaking*

#### **Grade 9 English**

1 Credit

Theme: *ORIGINS – WHO AM I?*

Essential Question: *To What Extent Do I Control My Own Destiny?*

In Grade 9 English, students examine world cultures, literature, folklore, and world mythologies. They will study world regions, exploring themes of the hero, love, cultural diversity and generations from the past to the present.

#### **Grade 10 English**

1 Credit

Theme: *BUILDING A NATION – WHAT DO I BELIEVE?*

Essential Questions:

1. *To What Extent Do I Control Who I Become?*
2. *How Does Our History Define Who We Are?*

The sophomore curriculum begins with the exploration and settling of a nation and concludes with the early industrial period. Students will study the development of American literature from colonial times through the Civil War.

#### **Grade 11 English**

1 Credit

Theme: *A NATION GROWS - WHAT IS MY ROLE?*

Essential Questions:

1. *To What Extent Do I Use My Voice to Create Change?*
2. *How Do Humans Adapt In Order to Survive?*

The junior curriculum continues the story of the American character, pursuing a study of literature that emphasizes immigration, industrialization, war and civil rights through the Twenty-First Century.

## **Grade 12 English**

1 Credit

Theme: *CITIZEN OF THE WORLD - HOW DO I MEET THE FUTURE?*

Essential Questions:

1. *To What Extent Do the Pathways That I Choose Prepare Me For the World?*
2. *What Comprises a Satisfying Life?*
3. *How Do Humans Adapt to Change?*

During the first semester, students are given the opportunity to gain a more complete appreciation of self and to understand the importance of making informed career and life choices. During the second semester, students explore the role of themselves in the world by examining myths, literature, and cultures around the world. All seniors will complete comprehensive Senior Exit activities.

Dual Enrollment – Grade 12

1 CHS Credit

6 College Credits Possible

CHS Seniors will have the opportunity to take either Senior English or AP Literature and Composition and have it count for college credit at the University of Maine at Presque Isle or University of Maine at Fort Kent. You must maintain a 77 average to earn college credits. Be prepared to work. A bad grade will be on your permanent college record. Earning a total of 6 college credits is possible.

## **ELA 9-12 Essential Questions:**

1. *How Does Point of View Affect the Story?*
2. *How Does Conflict Lead to Change?*
3. *How Do Humans Use Different Genres to Express Their Feelings?*
4. *How Do Relationships Contribute to Self Concept?*

*Students are offered two levels of English/Language Arts that will enable them to meet their goals for life after high school.*

## **Grades 9-12 English**

Students prepare to meet the high standards for a future in the world of work, technical school, or a two – four year college program where they will pursue specialized training or vocations that require a two or four-year college program. Career preparation is an important component of this level.

## **Grades 9 and 10 Honors English**

The Honors Students prepare the same as the English; however, students work at a more accelerated pace than those enrolled in 9-12 English, participating in a more rigorous reading and writing program. Students must have an appreciation for the power of language. Students will be challenged. They are expected to read independently, conference, and revise their work.

### **AP® English Language and Composition**

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Students will have to pay a fee to take the AP exam. Students who take the AP exam do not have to take the final class exam.

### **AP® English Literature and Composition**

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature novels, plays, short stories, poetry. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students will have to pay a fee to take the AP exam. Those who take the AP Exam do not have to take the final class exam. **THIS COURSE PROVIDES A DUAL CREDIT OPPORTUNITY FOR STUDENTS WITH UNIVERSITY OF MAINE AT PRESQUE ISLE. SEE A GUIDANCE COUNSELOR WITH QUESTIONS.**

### **Honors and AP® English**

Honors and AP students are required to read a book or other materials over the summer. This way we are able to make the most of the Honors/AP experience. The teacher will provide a book or other materials that will be challenging, but enjoyable. A reading tool is provided as a memory tool for working on the book unit and writing a paper.

### **ELA Prerequisites for Honors and AP classes:**

Honors English 9 - Any student Spring of 8th grade year with score over 233

Honors English 10 - Any student Spring of Freshman year with a score over 235

Honors English 11 - Any student Spring of Sophomore year with a score over 237

Honors English 12 - Any student Spring of Junior year with a score over 239

All students at both levels are expected to word process final drafts of writing assignments. Students are encouraged to take advantage of the department policy that allows them to revise writing pieces after conferencing with their teachers and retake tests at the discretion of their teachers. Policies also exist for make-up and late work.

## **ENGLISH ELECTIVE COURSES**

### **SAT Prep Class**

½ credit

Our New SAT course is a comprehensive course that provides thorough preparation for the ELA portion of the New SAT exam. It covers content reviews to promote content mastery and teaches students the most dynamic and updated strategy and methods available. We will deconstruct the New SAT and learn to build skills each week and increase student confidence level over the span of the course. This will include the multiple choice and writing sections of the test. Analyzing SAT essay models and practice writing are another

aspects of the class. The SAT course requires students to work hard and exhibit effort and dedication to their studies. (Ideas borrowed from online sources.)

### **Speech**

½ Credit

With a focus on meeting several Common Core State Standards, this course aims to cultivate and refine communication skills that will provide a competitive edge in real world speaking situations. Peer review, audience awareness, journaling, and collaboration will be central components for feedback and improvement. The ability to speak with confidence, clarity, organization, and poise- in a variety of public speaking situations- is an ultimate goal of this course.

## **HEALTH AND PHYSICAL EDUCATION**

### **Health**

1 Credit

Content Areas of Study

- |   |                                     |
|---|-------------------------------------|
| A. Health concepts                          | D. Influences on health             |
| B. Health information services and products | E. Communication skills             |
| C. Health promotion and risk reduction      | F. Decision making and goal setting |

One full year must be successfully completed before graduation requirements can be fulfilled. The course is designed to teach about total health: physical, mental, and social. The focus is on wellness, making daily choices and decisions based on healthy attitudes. Units are offered in the 6 health content area groupings as follows:

- 1) Personal Health and Nutritional Health
- 2) Family Life and Growth and Development
- 3) Consumer Health and Tobacco, Alcohol and Other Drug Use Prevention
- 4) Safety and Accident Prevention
- 5) Community Health, Environmental Health and Prevention and Control of Disease and Disorders
- 6) Conflict resolution

### **Physical Education I**

### **Physical Education II**

½ Credit each

This program develops competencies in different activities offered in the physical education curriculum. Each student receives a variety of individual and team sports instruction with the emphasis on lifetime activities. Physical education is required for graduation and counts towards honor roll. Students are given written and skills tests. Student assessment is based on attendance, participation, and written and skills test. Students must take and pass both Physical Education I and II – both offer different activities. Beginning in August and throughout the year students will run the mile and be graded on their time. **It is strongly recommended that incoming students prepare for this activity during the summer.** Please check with the PE staff with any questions prior to the start of the new school year. A PE notebook is recommended.

## **MATHEMATICS**

Math Content Areas of Study

- A. Numbers and Number Sense

- B. Data Analysis, Statistics, Probability
- C. Algebra
- D. Geometry

### **Math Requirements**

Students are required to take a minimum of three (3) years of math. Freshman may take only one math class selecting from Freshman Math, Algebra 1 Part A, Algebra I, or Geometry (for those that have completed Algebra I).

**Eighth grade students should consult their math teacher for a recommendation on which high school math class best suits them**

### **Math 101**

1 Credit

This course is designed for students who require a foundation in algebra skills. This course focuses on developing fluency with rational numbers and proportional relationships. Students will extend their elementary skills and begin to learn algebra concepts that serve as a transition into formal Algebra and Geometry. Students will learn to think flexibly about topics that include, but are not limited to, generating equivalent expressions, solving single variable equations and inequalities, graphing on a coordinate plane, performing basic mathematics operations on rational numbers, and developing effective problem solving strategies.

### **Algebra I**

1 Credit

This is an introductory course to algebra. To be successful, students should have a strong understanding of how to add, subtract, multiply and divide fractions, mixed numbers and integers, without the use of a calculator. Topics include solutions of linear equations, operations with algebraic expressions, factoring, graphing, and solving word problems. A graphing calculator, preferably a TI-84+ is required.

### **Algebra I PART A**

1 Credit

This is the same course as Algebra I except the content will be covered over a 2-year period. Part A is for freshman. A scientific calculator is required, preferably a TI-30XS.

### **Algebra I PART B**

1 Credit

This course is the second half of Algebra I. A scientific calculator is required, preferably a TI-30XS. Prerequisite: Credit in Algebra IA

### **Geometry**

1 Credit

Geometry is the major study of two-and-three dimensional shapes and their relationships. Major topics of study include congruence, similarity, transformations and coordinates. Students will begin to learn how to do mathematical proofs. Algebra skills will continually be reinforced. It is required for admission to most colleges. Prerequisite: Algebra I credit.

### **Foundational Geometry**

1 Credit

This course studies two-and-three dimensional shapes and their relationships, with instructional supports appropriate to student needs. Major topics of study include congruence, similarity, transformations and coordinates. Algebra skills will continually be reinforced. Prerequisite: Algebra IA and IB credit.

## **Algebra II**

1 Credit

Algebra II is a continuation of Algebra I and is required for most four-year colleges. More involved algebraic concepts, such as linear programming, quadratic equations, and functions, are studied. A graphing calculator is required, preferably a TI-84+. Prerequisite: Algebra I and Geometry credit. **THIS COURSE PROVIDES A DUAL CREDIT OPPORTUNITY FOR STUDENTS WITH UNIVERSITY OF MAINE AT PRESQUE ISLE. SEE A GUIDANCE COUNSELOR WITH QUESTIONS.**

**Foundational Algebra II:** This course reviews and extends many skills developed in Algebra I with instructional supports appropriate to student needs. This alternative course incorporates technology, such as graphing calculators. The course will prepare students for success in some post-secondary schools, including vocational. Prerequisite: Credits in Algebra IA, IB, and Foundational Geometry.

## **Pre-Calculus**

1 Credit

The major topics of study are: linear, polynomial, rational, exponential and logarithmic functions. Approximately one-third of the course is a study of trigonometry. A graphing calculator is required, preferably a TI-84+. Prerequisite: Algebra II credit. **THIS COURSE PROVIDES A DUAL CREDIT OPPORTUNITY FOR STUDENTS WITH UNIVERSITY OF MAINE AT PRESQUE ISLE. SEE A GUIDANCE COUNSELOR WITH QUESTIONS.**

## **Statistics**

1 Credit

Statistics is the study of data. This course is designed for the student who will not major in math or science in college. Topics covered will include data description, frequency distributions, graphs, probability, correlation and regression. A graphing calculator (preferably a TI-84+) is strongly recommended. Prerequisite: Algebra II Credit. **THIS COURSE PROVIDES A DUAL CREDIT OPPORTUNITY FOR STUDENTS WITH UNIVERSITY OF MAINE AT PRESQUE ISLE. SEE A GUIDANCE COUNSELOR WITH QUESTIONS.**

## **AP® Calculus AB**

1 Credit

Advanced Placement Calculus AB is recommended for the student who plans on majoring in a math or science related field in college. The course is designed to meet all requirements established by the College Board and is equivalent to one semester of calculus at the college level. All students taking the course will be encouraged to take the AP® Calculus AB test in May. Most colleges will give college Credit to students who pass the exam. Limits, differentiation, and integration of transcendental and algebraic functions; along with applications of each, will be the major topics of the course. A graphing calculator, preferably a TI-84+, is essential. AP exam costs are the responsibility of the student. Prerequisite: Pre-Calculus credit. **THIS COURSE PROVIDES A DUAL CREDIT OPPORTUNITY FOR STUDENTS WITH UNIVERSITY OF MAINE AT PRESQUE ISLE. SEE A GUIDANCE COUNSELOR WITH QUESTIONS.**

## **WORLD LANGUAGES**

The World Language curriculum at Caribou High School is designed to foster a “respect for the interdependence of humankind, and acknowledge the importance of a healthy global environment” through the study of languages and cultures around the world. In our global



society, it has become essential to communicate effectively in more than one language. Technology and globalization of trade in our region requires an ability to communicate in multiple languages. Our programs allow students to acquire language acquisition skills and cultural understanding that will serve them for a lifetime. Through reading, writing, listening, and speaking communication practice, cultural interactions and many types of projects students will develop a multitude of language skills, making them more intellectually able as university students as well as employees in the working world.

The ultimate goal in every world language course at any level is that students be able to develop proficiency in the three modes of communication: interpersonal (between and among individuals both orally and in writing), presentational (either written as a report or spoken to a group), and interpretative (understanding both printed documents and the spoken word).

It is to be noted that the WLD is following a new approach to the curriculum that reflects best practices in PBE for the purpose of preparing the students to meet the RSU39 graduation standards in World Languages. These changes include:  
Changes in our approach include:

- Use of thematic units (prepared instructional maps on templates) as opposed to textbook chapter by chapter segments
- Use of authentic resources (created by and for native speakers), and a 90% goal for target language classroom use
- Adherence to a standards-based instruction and assessment model
- Assessing performance at progressive levels (novice-- >advanced)
- Ongoing opportunities to advance on the proficiency scale
- Evaluation and grading based on what is known rather than what is not known
- Course designations represent progress levels rather than years spent in the classroom

### **Introductory French (No prerequisite)**

1 Credit

Introductory French is designed to establish a foundation in French language and culture. While this course continues to build on the French studies offered at the middle-school level, it is also intended for students who have not previously studied French, but who will have an opportunity to achieve parity during the first quarter of the school year. Using thematic units to facilitate language learning (centered around themes like Getting Acquainted, Family, Travel, and Gastronomy), students will become engaged in the Francophone world and its cultural distinctions. Within the scope of these thematic units, students will also build the foundations of communication in French through vocabulary, practical verb forms, and practical grammar. The use of technology along with the classroom experience will help students develop the four language skills (speaking, listening, writing, and reading) necessary for communicating in the three modes (presentational, interpretive, and interpersonal).

### **Intermediate French 1 and \*2 (per recommendation of teacher)**

1 Credit

Intermediate French is designed to follow up on the foundations developed in Introductory French. The ultimate goal of this course is to prepare students to meet the RSU 39 graduation standards for World Languages. Students will increase their proficiency in the three world languages modes of communication as they practice speaking, reading, listening and writing on topics as selected from the files of potential thematic units. Included

among the possible themes with their embedded cultural components are: getting acquainted, family, travel, food, housing, wellness, and others. In addition to studying these 6-week pre-designed units of study, there will be opportunities to focus on some specific grammatical concepts necessary to understanding the French manner of expression, as well as some introductory literary selections in prose and/or poetry. Cultural distinctions and comparisons will always be considered throughout all aspects this course. Possible reading selections may change from year to year, but could include the poetry of Jacques Prévert, fables of La Fontaine, and a variety of poems. All resources, whether in literature or as accompaniment to the thematic themes will be authentic French readings, and audio and video recordings. \*2 For students who continue into a second year at the intermediate level

### **Advanced French (Prerequisite: having met RSU 39 WLD graduation standards)**

1 Credit

Advanced French is for students who are interested in going beyond the CHS graduation requirements in World Languages and who would like to become fluent readers, writers, listeners, and speakers of French. As well as becoming knowledgeable in advanced aspects of the French language, students will absorb a deeper understanding of French culture. In addition, they will gain familiarity with some classical French literary pieces. Students will study themes such as the French historical spirit of resistance and revolt, and perhaps one or two of the many distinct regions of France. Language topics will cover uses of the many verb tenses and the formation of complex grammatical structures. Students will read short stories and novels, which may include *La Dernière Classe* by Alphonse Daudet and *Le Petit Prince* by Antoine de St Exupéry. It is expected that French will serve as the major language of communication throughout the year. The course is to be considered a stepping stone in preparing students for the AP program.

### **AP ® French Language (Prerequisite: successful completion of Advanced French)1 Credit**

AP ® French Language is designed for the student who wishes to prepare for the AP language exam given in May. This is a college level class stressing the fundamental language skills developed throughout the years of study. Emphasis is placed on speaking and writing clearly and on reading French literary short stories and extracts which broaden the student's understanding of the francophone world. Developing listening skills through authentic resources and building a stronger vocabulary base are integral to this class. Activities selected to strengthen all of the skills will depend on the number of students enrolled in the class. Daily assignments will include essays, summaries and reading comprehension exercises and analysis. There will be a strong effort to investigate particular cultural distinctions among francophone countries around the world and to compare them with the student's own individual backgrounds.

### **Spanish I (No prerequisite)**

1 Credit

Spanish I is designed to introduce students to the exciting world of Spanish language and culture. Students will explore the basics of communicating in Spanish, including simple vocabulary and grammatical structures. A wide range of communication activities will facilitate multiple uses of the language. Through the use of technology and classroom experiences, students will also explore Spanish cultures from around the world.

### **Spanish II (Prerequisite: Successful completion of Spanish I)**

1 Credit

Spanish II allows students to enter a world of broadened opportunities through an intermediate study of Spanish communication and culture. Continued vocabulary and grammatical development will help students enhance their comprehension abilities as they

explore the multiple methods of Spanish communication. Cultural understanding will be encouraged through a wide range of experiences, designed to give students a more global view of their place in the world, and a vantage from which they can make cultural comparisons.

**Spanish III** (Prerequisite: Successful completion of Spanish II) 1 Credit  
Spanish III is a colorful world of communication and cultural exploration. Students will study a wide spectrum of advanced communication concepts in conjunction with practical cultural explorations. Students will be expected to use and experiment with their language abilities and to enhance their communication skills.

**Spanish IV** (Prerequisite: Successful completion of Spanish III) 1 Credit  
Spanish IV is an open door to the world. It will provide students with multiple opportunities to communicate in practical ways through a combination of advanced cultural and communication activities. Proficiency in Spanish, combined with cultural and global understanding, will not only make students of Spanish IV more marketable to colleges and employers, but will provide students with a broader understanding of other languages and cultures in general in contrast with their own. Creative use of the language will be strongly encouraged. Students may have the opportunity to design portions of the curriculum throughout the year, making Spanish IV a more individualized course than the lower levels.

## **SCIENCE**

### **OUTLINE OF SCIENCE AND ENGINEERING STRANDS AND STANDARDS**

#### Physical Sciences

- PS1 Matter and Its Interactions
- PS2 Motion and Stability: Forces and Interactions
- PS3 Energy
- PS4 Waves and Their Applications in Technologies

#### Life Sciences

- LS1 From Molecules to Organisms: Structures and Processes
- LS2 Ecosystems: Interactions, Energy, and Dynamics
- LS3 Heredity: Inheritance and Variation of Traits
- LS4 Biological Evolution: Unity and Diversity

#### Earth and Space Sciences

- ESS1 Earth's Place in the Universe
- ESS2 ESS3 Earth and Human Activity

#### Engineering, Technology, and Applications of Science

- ETS1 Engineering Design

|          |  |
|----------|--|
| Grade 9  | Integrated Science I* (semester of Chemistry & semester of Physics)      |
| Grade 10 | Integrated Science II* (semester of Biology & semester of Earth Science) |

|               |   |
|---------------|---|
| Grade 11 & 12 | Students may select from the following:<br>CP Biology, Conceptual Chemistry, Conceptual Physics, CP Chemistry<br>CP Physics, Advanced Chemistry, Anatomy & Physiology |
|               | AP Physics  |

\*Each semester component is worth ½ credit and a student must receive a passing grade in each component.

### **Integrated Science I** Grade 9

½ Credit (Semester Class)

All grade 9 students are required to take this course. The course covers 1 semester of Chemistry and 1 semester of Physics. Students must pass each semester. There is a certain amount of lab work to reinforce the concepts learned in class. The class will meet for 5 periods per week.

*For students desiring a challenge in science curriculum, there is an option to take both IS1 and IS2 during freshman year. These students must be signed up for 6 courses.*

### **Integrated Science II** Grade 10

½ Credit (Semester Class)

All grade 10 students are required to take this course. The course covers 1 semester of Biology and 1 semester of Earth Science. Students must pass each semester. There is a certain amount of lab work to reinforce the concepts learned in class. The class will meet for 5 periods per week.

### **Prerequisite Statement for all Elective Science courses**

In addition to course specific prerequisites, all elective science courses offered require the successful completion of Integrated Science I and II.

### **CP Biology** Grade 11/12

1 Credit

This course gives students a good exposure to the world of life science. Such topics as cells, genetics, evolution, classification, and organisms will be covered. Students will do lab work, projects, and use critical thinking skills to solve problems. The class will meet for 5 periods per week. **This course provides a dual credit opportunity for students with University of Maine at Presque Isle. See a guidance counselor with questions.**

### **Conceptual Chemistry** Grade 11/12

1 Credit

This course is intended for the college bound student who is not going into a math or science field. The course will explore the world of chemistry in a practical way that will keep the math component to a minimum. There will be a certain amount of lab work to reinforce the concepts learned in class. The class will meet for 5 periods per week.

### **CP Chemistry** Grade 11/12

1 Credit

This course is intended to prepare all students for college chemistry regardless of whether they will major in a science field or not. The course will include problem solving and a considerable amount of lab work. The class will meet for 5 periods per week. *PREREQUISITE: Must be taking or have successfully completed Algebra II.* **This course provides a dual credit opportunity for students with University of Maine at Presque Isle. See a guidance counselor with questions.**

**Advanced Chemistry** Grade 11/12

1 Credit

This course is intended for the ambitious student who plans to pursue a science field of study such as engineering or medicine. Emphasis will be placed on problem solving with much time learning chemistry concepts through rigorous experimentation. The class will meet for 5 periods per week. *PREREQUISITE: Must be taking or have successfully completed Algebra II. Class size is limited to 24. Science grade from previous year used to determine enrollment.* **This course provides a dual credit opportunity for students with University of Maine at Presque Isle. See a guidance counselor with questions.**

**Conceptual Physics** Grade 11/12

1 Credit

This course is intended for the college bound student who will not be a science or math major. The approach to physics is unique in that it applies the physics concepts to explain phenomena that students have observed in the everyday world without the usual math associated with traditional physics. There is a certain amount of lab work to reinforce the concepts learned in class. The class will meet for 5 periods per week.

**CP Physics** Grade 11/12

1 Credit

This course is designed to prepare the student for college physics. The course offers a traditional laboratory based approach to the study of physics with emphasis on problem solving. The class will meet for 5 periods per week. *PREREQUISITE: Must be taking or have successfully completed Algebra II.*

**AP® Physics** Grade 12

1 Credits

This course is a traditional calculus based course and the student must be taking or have completed Calculus I. This course is recommended for students planning a career in engineering or other science fields that require a calculus based physics background. The class will meet for 10 periods per week. *PREREQUISITE: Must be enrolled in or have taken Calculus.* **This course provides a dual credit opportunity for students with University of Maine at Presque Isle. See a guidance counselor with questions.**

**Anatomy & Physiology** Grade 11/12

1 Credit

This is an intense course for those students wishing to enter the medical field as a doctor, nurse, physical therapist, athletic trainer, etc. Most of the systems of the body will be covered. Some labs and projects will be assigned as part of the course. Job shadowing will be encouraged in areas of interest. The class will meet for 5 periods per week. **This course provides a dual credit opportunity for students with University of Maine at Presque Isle. See a guidance counselor with questions.**

**Forensic Science** Grade 11/12 **Pending Board Approval**

1 Credit

This course is intended for the college bound student who has a strong interest in the sciences. Forensic science is the application of science (chemistry, physics, biology, and earth science) in solving crimes. This course will involve using the scientific process in forensic analysis. Through lessons, exploration, lab investigations, and analysis of crime scenarios, students will learn about the popular and exciting field of forensics.

*PREREQUISITE: Must have successfully completed a college preparatory (CP) science course.*

## **SOCIAL STUDIES**

### Social Studies Area of Study

#### Civics and Government

- A. Rights, Responsibilities and Participation
- B. Purpose and Types of Government
- C. Fundamental Principles of Government
- D. International Relations

#### Economics

- A. Personal and Consumer Economics
- B. Economic Systems of the United States
- C. Comparative Systems
- D. International Trade & Global Interdependence

#### History

- A. Chronology
- B. Historical Knowledge, Concepts & Patterns
- C. Historical Inquiry, Analysis & Interpretation

#### Geography

- A Skills and Tools
- B. Human Interaction with Environments

### **Global Studies** Grade 9

1 Credit

This full year program approaches world history, geography and world cultures from a regional point of view. Students study a world region, such as the Middle East, from the point of view of its history, geography and culture, ending each unit with a current event component. This course features map work, group work and a project approach.

### **American Studies I** Grade 10

1 Credit

This full-year program begins a two-year investigation of United States history, geography and government. It is presented chronologically beginning with the exploration and settlement of the nation through the early industrial period (about 1900). A major emphasis is the development and function of the United States government and our economic system.

### **American Studies II** Grade 11

1 Credit

This full-year program for juniors continues the story of our history, government geography and economic systems begun in American Studies I. It focuses on the role of the United States in world events beginning with the Spanish American war through the United States in the 21st century.

### **AP® U.S. History** Grade 10

1 Credit

(Offered to sophomores only – part one of a two part program)

APUSH 1 (10)-Any student Spring of Freshman year with a NWEA Reading score over 235. The AP program in United States History is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and

persuasively in an essay format. **This course provides a dual credit opportunity for students with University of Maine at Presque Isle. See a guidance counselor with questions.**

**AP® U.S. History (11) Grade 11**

1 Credit

(Offered to Junior's only--part two of the program described above)

APUSH II (11)-Any student Spring of Sophomore year with a NWEA Reading score over 237.

**This course provides a dual credit opportunity for students with University of Maine at Presque Isle. See a guidance counselor with questions.**

## **SOCIAL STUDIES ELECTIVE COURSES**

The social studies department offers three ½ Credit electives designed primarily for seniors (Psychology, AP Psychology and Sociology) and two ½ credit courses. Each program attempts to make that social science discipline relevant to the student's life and future career.

### **Psychology**

1/2 Credit

This one semester program for all students is a course which overviews psychology as a scientific discipline with a personal application for every unit. It assumes that better understanding one's own feelings, thoughts, motivations and behavior will help students also gain insight into the behavior of others. Lots of experiences and demonstrations help balance individual and group work. Psychology is recommended for those students whose careers will require working with people.

### **AP® Psychology**

1 Credit

AP Psychology is designed for the accelerated student who desires to study psychology in the format of a challenging elective and/or to prepare for the AP Psychology exam.

Students who will be preparing for the AP exam should understand that additional work beyond the course might be required to adequately prepare for this experience. **This course provides a dual credit opportunity for students with University of Maine at Presque Isle. See a guidance counselor with questions.**

### **Sociology**

½ Credit

This one semester class examines groups from all aspects. It helps students understand how groups are formed and how they function. Social problems and conditions such as violence, family, marriages etc. are studied in depth. Group work with individual accountability is the major learning approach. This program is recommended for all students who will work in the helping professions (Teaching, nursing, criminal justice, etc.).

### **Consumer Economics**

½ Credit

Consumer Economics includes units on: an analysis of the American economy, distribution of national income, price/supply/demand, American business organization, production, marketing, labor-management relations, advertising, and consumer protection. Also included are units on: financial planning, money and banking, investing, the use of credit, insurance, real estate, and public welfare. This course is open to Juniors and Seniors.

## **Contemporary Issues**

½ Credit

This one semester course includes the study of what makes the news, and how news and newsmakers affect our daily lives. Students will also study the historical backgrounds that have shaped the world of today. The major topics to be covered include elections, the presidency, the Supreme Court, national and world leaders, the media, civil rights, natural disasters, the war on terrorism, the Middle East, alliances, the world-wide economy, religion and secularism in America, refugee issues, and hot topics. The course is built around collaborative work, inquiry, and argument writing to address key issues. Research plays an important role in the course. This course is open to Juniors and Seniors.

## **VISUAL AND PERFORMING ARTS**

### **Introduction to the Visual Arts I**

½ Credit

Introduction to the Visual Arts I is a sampler course offering instruction that leads to the creation of an art project. This course will introduce students to a variety of different art media including but not limited to paint, charcoal, pen and ink, block printing, paper-machè and mixed media. Students will explore their creativity through a series of brainstorming. Drawing skills will be developed through a daily sketchbook.

### **Introduction to the Visual Arts II**

½ Credit

Introduction to the Visual Arts II is a sampler course offering instruction that leads to the creation of an art project. This course is a continuation of Intro I and should be taken in sequence. This course will introduce students to a variety of different art media including but not limited to armature, pastels, colored pencil, hand built pottery, mixed media, and cardboard sculpture. Students will explore their creativity through a series of brainstorming. Drawing skills will be developed through a daily sketchbook.

### **Ceramics 1 & 2 Pending board approval**

1 credit

Ceramics 1: Basic hand-built techniques such as pinch, coil, and slab.

Several different finishing options including but not limited to: paint, glaze, underglaze, and dipping.

Projects can range from creating three dimensional creatures to utilitarian wares.

Students may also get a taste of wheel work with an introduction to wheel throwing (if budget allows for equipment).

Ceramics 2: More in-depth look at hand-built and wheel throwing techniques allowing students to explore and create their own style of work.

Emphasis will be on creation of several utilitarian wares such as bowls, mugs, & serving plates thrown on the wheel with a possibility of a community tie in similar to the Empty Bowls Project.

Students will be encouraged to create a body of work in a style that suits them best.



## **Digital Media and Design Pending board approval**

1 credit

Planner 5d – Students will create a home design along with interior décor. They will learn the basics of using a CAD style interface

Sketch-up – Students will have the ability to create a wide range of architecture, interior design, landscape design and more. During this section of instruction students will be introduced to several different architectural style throughout history.

Pixlr – Students will learn the basics and beyond on photo editing. They will also be introduced to the ins and outs of editing software and the uses of the different tools and filters available. Students will work on a business design portfolio creating everything needed to market a new business.

Stop-motion Animation – This section of instruction will introduce the basics of layering images to create movies. Students will analyze processes used in popular movie and music applications such as the movie Trolls and the band OK GO.

## **Sculpture Pending board approval**

1 credit

The basics in 3D Design and Sculpture techniques.

Students will experiment with both additive and subtractive methods of sculpture using materials included but not limited to plaster, wood, paper, stone, tape, wire, & found objects.

## **Band**

1 Credit

Members of the band will meet five times a week for rehearsals and are given the opportunity to receive personal instruction on their instrument, as scheduling will allow. Members of the band are required to perform many times during the year at a variety of events. Students who wish to participate in band and chorus will received one half (1/2) Credit for each.

## **Chorus**

1 Credit

Chorus meets 5 times per week for (1) credit, or twice a week for those students who attend band three days per week for ½ credit each. Choral students will study a variety of literature in several styles, and will focus on building skills in reading music scores independently. Articulation, tone quality, intonation and vowel uniformity, rhythmic and melodic accuracy, dynamics, breath support and expression are vital components for developing a balanced ensemble. Students are required to participate in at least two concerts per school year, and have opportunities to prepare and audition for All-State Jazz Choir and All-State Classical Choir.

## **Yearbook**

1 Credit

This course will provide students with instruction in basic principles of layout, design, photography and marketing. Students will produce and sell the school yearbook, which chronicles the events of the school year. This course is a fine arts credit.

## **ELECTIVES**

### **JMG I Grades 9-12**

1 Credit

JMG is designed to help students acquire the skills needed to establish a successful path towards a meaningful career and productive adulthood. Students in the course participate in the student-led Career Association with goals of leadership development, career development, social and civic awareness including community service. Activities are designed for students to figure out who they are, what they want for their future, what opportunities are available and how to take advantage of them. Students will need to fill out a JMG Student Application if they are interested in joining. Email Dr. Waldemarson at [vwaldemarson@rsu39.org](mailto:vwaldemarson@rsu39.org) to receive a copy of the application

The topics covered include:

- career exploration (job searches, cover letters, resumes, interviews, job applications)
- managing money
- leadership
- communication
- community service
- teamwork
- personal responsibility
- indepth financial literacy
- post-secondary exploration

### **JMG II Grades 10-12**

1 Credit

JMG is designed to help students acquire the skills needed to establish a successful path towards a meaningful career and productive adulthood. Students in the course participate in the student-led Career Association with goals of leadership development, career development, social and civic awareness including community service. Activities are designed for students to figure out who they are, what they want for their future, what opportunities are available and how to take advantage of them. Students will need to fill out a JMG Student Application if they are interested in joining. Email Dr. Waldemarson at [vwaldemarson@rsu39.org](mailto:vwaldemarson@rsu39.org) to receive a copy of the application

The topics covered include:

- career exploration (job searches, cover letters, resumes, interviews, job applications)
- managing money
- leadership
- communication
- community service
- teamwork
- personal responsibility
- indepth financial literacy
- post-secondary exploration

### **JMG III Grades 11-12**

1 Credit

JMG is designed to help students acquire the skills needed to establish a successful path towards a meaningful career and productive adulthood. Students in the course participate in

the student-led Career Association with goals of leadership development, career development, social and civic awareness including community service. Activities are designed for students to figure out who they are, what they want for their future, what opportunities are available and how to take advantage of them. Students will need to fill out a JMG Student Application if they are interested in joining. Email Dr. Waldemarson at [vwaldemarson@rsu39.org](mailto:vwaldemarson@rsu39.org) to receive a copy of the application

The topics covered include:

- career exploration (job searches, cover letters, resumes, interviews, job applications)
- managing money
- leadership
- communication
- community service
- teamwork personal responsibility
- indepth financial literascy
- post-secondary exploration

#### **JMG IV Grade 12**

1 Credit

JMG is designed to help students acquire the skills needed to establish a successful path towards a meaningful career and productive adulthood. Students in the course participate in the student-led Career Association with goals of leadership development, career development, social and civic awareness including community service. Activities are designed for students to figure out who they are, what they want for their future, what opportunities are available and how to take advantage of them. Students will need to fill out a JMG Student Application if they are interested in joining. Email Dr. Waldemarson at [vwaldemarson@rsu39.org](mailto:vwaldemarson@rsu39.org) to receive a copy of the application

The topics covered include:

- career exploration (job searches, cover letters, resumes, interviews, job applications)
- managing money
- leadership
- communication
- community service
- teamwork
- personal responsibility
- indepth financial literacy
- post-secondary exploration

#### **Computer Science Principles (CSP 1)**

1 Credit

Computer Science Principles is a full year course that will introduce students to programming with an emphasis on critical thinking, problem solving, and creativity. The course's main goal is for students to learn the fundamentals of programming, to enjoy coding, and to be able to use programming creatively to help solve problems in a variety of domains. Students that enjoy a hands-on learning environment and have an interest in computers will enjoy this course. Prerequisite = enrolled in Algebra 1 or above

**AP Computer Science Principles (AP CSP)**

1 Credit

Advanced Placement Computer Science Principles is a full year course that emphasizes the foundations of modern computing. This course covers a broad range of topics such as programming, algorithms, digital information, digital privacy and security, and the societal impacts of computing. This course prepares students for the two through-course Performance Tasks to be submitted to the College Board in April, as well as the end-of-course AP Exam in May. This course will help students pursue the wide array of intellectual and career opportunities that computing has made possible. Prerequisite = Algebra 1

**PRACTICAL PROGRAMMING – for students with Individual Education Plans****Practical English** Grades 9-12

1 Credit

This course is a combination of creative writing, literature, reading and functional everyday language skills.

**Practical Math** Grades 9-12

1 Credit

This course is a combination of basic mathematical operations, math from the world of business, introductory algebra and the basic principles of geometry.

**Practical Social Studies** Grades 9-12

1 Credit

This course is a sequence of classes, including Global Studies, American Studies I and American Studies II. Each class provides a practical view of the topic as well as applications for the student to their own world.

**Practical Sciences** Grades 9-12

1 Credit

This course is a sequence of classes, including Integrated Science I (Chemistry and Physics), Integrated Science II (Earth Science and Biology) and other science options. Each class includes practical applications for the world today.

**Practical Health** Grades 9-12

1 Credit

This course is designed to learn about a person's total health; physical, mental, and social. A wide variety of topics are covered such as wellness, nutrition, personal safety and injury prevention. This class may not be offered every year. Health is a course required for graduation. It is a full-year course.

**Practical Study Skills** Grades 9-12

1 Credit

This is a course designed to promote success in all content areas as well as improving study skills needed at the high school level. The course focuses on organization, work completion, grade and missing work checks, and daily living skills development. It is an elective and may be recommended by the IEP team. Course may be taken for a full year as well as a semester.

Special Education services are offered to those identified students. The IEP Team will meet annually with parents/student to develop an individual education plan.

## **Caribou Technology Center**

The Caribou Technology Center serves as a training center for students from Caribou, Easton, Fort Fairfield, Limestone, Presque Isle, Washburn, and Homeschools. Caribou Tech has 12 programs, each are worth 3 high school credits and are 3 periods (2 ½ hours) in duration. We accept high school students in grades 9-12. Unless otherwise indicated, our programs can be taken for multiple years.

A combination of classroom instruction, hands on learning experiences and on-the-job training enables every student to explore job options and develop life and work skills. Some students will have the opportunity to earn career certification in their program and may choose to seek employment immediately after high school. Many students choose to further their education at a university, community college, or trade school.

### **Course Descriptions**

#### **Agriculture & Natural Resources**

Satisfies 1 Science Credit towards High School graduation

College Credit:       Environmental Sciences (3 cr) with UMPI and UMFK  
                              Occupational Safety (1 cr) with NMCC

Industry Certifications: Tractor Safety, Pesticide Application, OSHA 10-hour,  
First Aid/CPR/AED

If you want to learn more about growing plants, forestry, wildlife, turf & landscape, small-engine repair, tractor operation, and environmental issues, then our Agriculture program might be a good fit for you. Our students will utilize the fields and forests at Caribou Technology Center to cultivate, plant, maintain, harvest and sell fresh commodities. We will teach all the skills needed on a farm, including basic electricity, welding, tractor operation, and small engine repair. Students will also have the opportunity to work with live animals and gain summer employment working at our farm stand. FFA - Students enrolled in our Agriculture class are encouraged to join the Caribou FFA Chapter. FFA members participate in many field trips and community activities throughout the year. Students get the opportunity to hold leadership positions and to compete at the state and national conventions through membership in FFA.

#### **Auto Body Repair**

College Credit:       Thin Metal Welding (3 cr) with NMCC

Industry Certifications: Automotive Service Excellence Certification in 5 possible areas

This program is designed to provide students with the fundamental skills needed to enter the auto body trade. Students will have the opportunity to perform panel replacement, sheet metal repair, frame construction repairs, and plastic shaping and sanding. Students will also learn to use the MIG welder, uni-spotter, and power and hand tools that are used in the auto body industry. Safety procedures will be included throughout the program. The second year will cover more advanced skills in the areas of major collision repair, base coat/clear coat painting single stage paints, intro to airbrushing, glass installation, estimating repairs and frame and body alignments. Student projects are encouraged.

## **Automotive Technology**

College Credit: Intro to Auto Tech (1 cr) with NMCC, WCCC Articulation (5 cr), and CMCC (10 cr)

Industry Certifications: Automotive Service Excellent Certification in 9 possible areas

This program combines classroom instruction, a practical shop environment, and a variety of hands on learning experiences to provide students with a thorough understanding of basic automotive maintenance and repair. Instruction on the repair of brakes systems, electrical systems, steering and suspension, engine repair, transmission fundamentals, manual drive trains and axles, and more will be focused on during lab time. Students will receive formal training on a wide variety of modern shop equipment and basic hand tools. They will also be exposed to a variety of diagnostic scan tools, electrical equipment, a Hunter Hawk Eye Elite four-wheel alignment system, a Pro Cut on car brake lathe, and a Weaver low profile tire changing machine. This program also uses an electronic based curriculum that is used to enhance student learning and give more motivated students the chance to excel. Automotive I students will focus on the areas of mechanical vehicle repair, and do a “special project” throughout the year... the heat and friction engine! Automotive II students will focus on the electrical aspect of the modern vehicle. They will have the opportunity to test for ASE Student certifications in nine different areas. Students that earn multiple certifications will have the opportunity to earn college credits at some of the Maine community colleges.

## **Business and Marketing**

College Credit: Intro to Business (3 cr) and Marketing Principles (3 cr) with UMPI, UMFK and Husson, Occupational Safety (1 cr) with NMCC

Industry Certifications: OSHA 10-hour, First Aid/CPR/AED

Marketing Education provides students with key skills needed to seek employment, start their own business, or further their education in the business field. Skills in academic and technical areas are combined to provide students the foundation for business and industrial leadership. Some of the areas covered are E-Commerce, Entrepreneurship, Financial Services, Hospitality, Advertising, Services, Travel & Tourism and Sports & Entertainment Marketing. Students are able to participate in DECA and the Titan Challenge. DECA Club - Participation in DECA (Distributive Educational Clubs of America) provides students with the opportunity to become involved in many exciting activities relating to their Marketing curriculum. Involvement in DECA offers students leadership training, and a chance to compete in State and National events in career areas designed to stimulate and motivate classroom interest and vocational competence. Students winning First Place trophies at the State Conference are eligible to attend the National Conference, which is held in cities such as Anaheim, Atlanta, Nashville, Salt Lake City, Louisville, and Orlando.

## **Commercial Driver's License**

College Credit: Occupational Safety (1 cr) with NMCC

Industry Certifications: Class B Driver's License Endorsement, OSHA 10-hour, First Aid/CPR/AED, MSHA

The CDL program covers the rules and regulations for Commercial Drivers and also teaches the basic preventative maintenance of trucks, including: changing engine oil, greasing, tightening belts and basic wiring. This program will help students meet test requirements of the State of Maine Motor Vehicle Class B Commercial Vehicle Road Test. Students will test for their CDL permit in February and test for their license in April. A valid

Maine driver's license is **required** to take this vocational program. Students will be required to sign our criminal background and drug testing policy upon entrance into the program.

### **Criminal Justice**

College Credit: Intro To Criminal Justice (3-6 cr) with UMPI, UMFK, and Husson  
Occupational Safety (1 cr) with NMCC

Industry Certifications: OSHA 10-hour, First Aid/CPR/AED

The Criminal Justice program is designed to provide an overview of the entire criminal justice system. Students will have the opportunity to explore law enforcement issues at the local, state, and federal levels. They will also look at the United States and worldwide court systems, juvenile law, corrections, private security and other related fields. We will provide students with a background in a variety of criminal justice topics through academic study and hands on training. The course instructor is an active duty police officer and an adjunct instructor with the local University and will work closely with the University and Community College systems along with the Maine Criminal Justice Academy to better prepare students for the next level of training/education.

### **Culinary Arts**

Satisfies a Fine Arts Credit for High School graduation

College Credit: Enhanced Articulation Agreement (3 cr) with Maine Community College System for Culinary or Baking majors

Industry Certifications: ServSafe Certification

Culinary Arts is a course designed to provide hands-on experience in different areas of food service. This course will be taught in a newly remodeled, stainless steel equipped kitchen. Students will cater school and public functions and work in all areas of food production, while learning basic baking and culinary techniques. Topics such as measurement, knife skills, recipe standardization, nutrition, customer service and kitchen organization will be included. With an emphasis on proper safety and sanitation in the foodservice industry, students will be preparing to pass a nationally recognized test in the spring. The ServSafe exam will be given in the second semester of the program and is a nationally recognized standard of food safety. Students who pass receive a ServSafe certificate of completion that is good for five years that qualifies them as a food production manager. Students who pass both the Culinary Arts class and the ServSafe exam will be eligible for community college credits through an enhanced articulation agreement with any of the Maine Community Colleges, who offer a Culinary Arts or Baking degree. The Culinary Arts curriculum was developed by the Educational Foundation of the National Restaurant Association, with guidance from educators and representatives of the foodservice industry and is recognized throughout the country. Whether you choose to further your education in a college program or pursue a food service career, Culinary Arts will prepare you for life after high school.

### **Food Services**

This program covers entry-level skills of the food service industry. Training includes safety, sanitation, customer service, job search skills, and operations of related tools and equipment. This program teaches the skills necessary to secure a job as a cashier, waiter/waitress, host/hostess, line cook, prep cook, table busser, and counter person. Students gain live work experience through working in the Viking Korner Kitchen, which operates on a daily basis. Students will rotate through the different jobs of the lunch counter to gain experience in each area of the kitchen. Space in this program is limited to 8

students and preference will be given to students who receive IEP services.

### **Health & Medical Sciences**

Industry Certifications: Certified Nurses Assistant, Personal Support Services, and CPR/AED/Basic Cardiac Life Support – combined value of over \$1,500

Health & Medical Sciences is a 1-year program designed to give students an overview of medical career opportunities. We combine lecture along with laboratory and clinical experiences to provide students with the knowledge necessary to work as an entry-level health care provider. Beginning in December, Health and Medical Sciences students complete clinical experience at the Caribou Nursing Home. Nursing scrubs will be required on clinical days. In May, students will take the State of Maine certification exam to become a Certified Nursing Assistant and also certified in Personal Support Services, allowing them to perform in-home health care services. Similar training elsewhere may cost a student in excess of \$1,500, whereas high school students may take this program free of charge. Four full-day Saturday clinicals per year will be required. Students must be 16 by the first day of class to enter this program.

### **Large Equipment Maintenance & Operation**

College Credit: Occupational Safety (1 cr) with NMCC

Industry Certifications: OSHA 10-hour, First Aid/CPR/AED, MSHA

This course provides experience in operation of heavy equipment as well as instruction of mechanical maintenance on large industrial equipment. Students will learn to operate and maintain everything in our equipment fleet, which includes: a backhoe, excavator, bulldozer, skidsteer, forklift, Cat loader, Cat Grader, Volvo loader, mule, dump trucks, road tractors, lowbed, tag trailer, screen plant, and attachments for the loaders and skidsteer. Students will use equipment to plow snow, load gravel, dig trenches, plow parking lots and haul materials. A valid Maine driver's license is required to take this program.

### **Residential Construction**

College Credit: Occupational Safety (1 cr) with NMCC

Industry Certifications: OSHA 10-hour, First Aid/CPR/AED

This course is designed to provide students with the skills and hands on experience needed in construction. Students will learn to safely use power and hand tools, and production machinery. They will make working drawings, and learn how to layout, fabricate, install, and repair wooden structures. Siding, roofing, window and door installation, estimating, blueprint reading, C.A.D.D. system exploration, basic cabinetry and furniture construction will also be introduced. Students practice these skills by building a variety of projects to meet local demands and needs. Students are encouraged to design personal projects within their skill range. Community service projects may be included to provide on the job training.

### **Welding & Metal Fabrication**

College Credit: Intro to Welding (3 cr) with NMCC

Occupational Safety (1 cr) with NMCC

Industry Certifications: OSHA 10-hour, First Aid/CPR/AED

This course provides an opportunity to learn skills needed for an exciting career in welding and metal fabrication. Topics covered in this high demand job field include oxy-fuel



processes, as well as modern arc welding processes such as stick, TIG, MIG, flux-cored and pulse-arc welding. Related topics such as blueprint reading, computer-aided drafting and CNC plasma cutting prepare students for success in a wide range of occupations. Students will practice these skills and techniques through classroom and “live work” projects. Emphasis is placed on subject matter, work attitude and employability skills. Entrepreneurial skills are incorporated in a school-based business. “CTC Enterprises” manufactures equipment that is marketed through local businesses.

| <b>PROGRAM</b> | <b>AM<br/>8:21-<br/>10:48</b> | <b>PM<br/>11:25-<br/>1:53</b> | <b>Certifications<br/>Available</b>   | <b>College<br/>Credit<br/>Available</b>                               | <b>Other</b>   |
|----------------|-------------------------------|-------------------------------|---|---|--|
| Agriculture    | ✓                             | ✓                             | Pesticide Application Certification, Tractor Safety, OSHA 10-hr, First Aid/CPR/AED  | UMPI: Environmental Sciences (3cr)<br>NMCC: Occupational Safety (1cr) | FFA Student Organization, attending the Big E (the largest Agricultural Fair on the East Coast), State & National Travel |
| Auto Body      | ✓                             | ✓                             | ASE Student Certification in: Mechanical and Electrical, Non-structural Analysis and Damage Repair, Painting and Refinishing, Structural Analysis and Damage Repair | NMCC: Thin Metal Welding (3cr)  |  |

|                      |   |   |   |  |  |
|----------------------|---|---|---|--|--|
| Auto Tech            | 1 | 2 | ASE Student Certification in: Automatic Transmission/Transaxle, Brakes, Electrical Systems, Engine Performance, Engine Repair, Heating and Air Conditioning, Maintenance and Light Repair, Manual Driver Train and Axles, Suspension and Steering | NMCC: Intro to Auto Tech (1cr)<br>WCCC: Maine State Inspection, Engine Performance, Electronic Systems, Brakes, Steering and Suspension (5cr)<br>CMCC: Brakes, Suspension & Alignment, Electrical Systems, Engine Performance (10cr) |  |
| Business & Marketing | ✓ |   | OSHA 10-hr First Aid/CPR/AED  | Husson, UMPI, and UMFK: Intro to Business and Principles of Marketing (6cr)<br>NMCC: Occupational Safety (1cr)   | DECA Student Organization, State & National Travel, Titan Challenge      |
| CDL                  |   | ✓ | Class B Driver's License<br>First Aid/CPR/AED<br>MSHA   | NMCC: Occupational Safety (1cr)  |  |
| Criminal Justice     |   | ✓ | OSHA 10-hr First Aid/CPR/AED  | Husson, UMPI, and UMFK: Intro to Criminal Justice (3-6cr)<br>NMCC: Occupational Safety (1cr)   | Over 30 guest speakers and a dozen CJ related tours/field trips per year |

|                           |   |   |  |  |   |
|---------------------------|---|---|--|--|---|
| Culinary Arts             | ✓ | ✓ | ServSafe   | Enhanced Articulation Agreement with Maine Community College System (3cr)                              | Worth a Fine Arts credit for High School Graduation, students can join the Jr ACF |
| Food Services             | ✓ | ✓ |  |  | Students with IEPs will have priority selection                                   |
| Health & Medical Sciences | ✓ | ✓ | CNA Certification, PSS Certification, and First Aid/CPR/AED  |  |   |
| Large Equipment           | ✓ |   | OSHA 10-hr First Aid/CPR/AED MSHA  | NMCC: Occupational Safety (1cr)  |   |
| Residential Construction  | ✓ | ✓ | OSHA 10-hr First Aid/CPR/AED   | NMCC: Occupational Safety (1cr)  |   |
| Welding                   | ✓ | ✓ | AWS Certification Level 1 Entry Level Welding and 1G Flat Position<br>OSHA 10-hr First Aid/CPR/AED | NMCC: Intro to Welding (3cr)<br>EMCC: SMAW Structural Welding (2cr)<br>NMCC: Occupational Safety (1cr) |   |

## **Presque Isle Regional Career & Technical Center**

### **AGRISCIENCE & NATURAL RESOURCES**

**Agricultural Biology/Chemistry/Lab (Grades 10 and 11)** is a three-period block designed to offer students the opportunity to complete their life and physical science requirements within an agricultural frame of reference

The biology portion of the course emphasizes problem-solving, decision making, critical thinking and applied learning utilizing the scientific link with examples from agriculture. Students will explore the principles of biology and apply these concepts and principles to issues in the workplace, in society, and in personal experiences. Areas of study will include: microscopes, cell structure, cell transport, cell reproduction, genetics, biotechnology and GMO's, evolution and natural selection, classification, various groups of organisms, biodiversity, and ecosystems.

The chemistry portion of the course is designed to convey understanding of the structure, behavior and interactions of matter at the atomic level, and the relationship between matter and energy. Topics of study include: lab safety and scientific methods; the fundamentals

of chemistry, chemical properties and analysis of water; chemistry of foods; organic compounds and their chemistry; plant biochemistry; soil chemical properties and testing; plant nutrition and fertilizers and pesticide chemistry.

The agriculture lab component will focus on exposing students to issues directly relating to agriculture while expanding upon topics introduced in biology and chemistry. Students will also become integral participants in the local FFA Chapter and its activities. Learning will be completed through both classroom lecture and hands-on projects. Topics will include, but are not limited to, items such as: GPS and geocaching, long-term research project, American agricultural history, and agricultural careers.

**Natural Resources Conservation (Grades 11 and 12) is a two or three period block designed to prepare students to work in or to pursue further education in the fields of forestry, wildlife, aquatics and soil conservation. (Dual enrollment credit available, see below.)**

This is a hands-on approach to the subject matter. Students will be outside for much of the school year learning skills such as GPS navigation, compass and pacing, as well as mapping and water testing. There will be individual learning opportunities that support living in, working with, and enjoying the outdoors. Students will take three major field trips, two to Grand Lake Streams where they will work with fishery biologists to first harvest salmon eggs and then later clip fins. The third field trip will be an all day study of tree identification, timber-cruising, animal habitats, and a soils pit. Students enrolled for a three-period block will receive enrichment in the area of either animal sciences or aquaculture. (See course descriptions below.)

**Plant Sciences (Grades 11 and 12) is a two or three period block designed to introduce and expose students to the field of plant sciences in a variety of ways. The course is divided into a classroom and lab environment.**

While this class does have a classroom component, a great deal of time is also spent utilizing both the MSAD#1 School Farm as well as the smaller greenhouse attached to PIRCTC. Students learn to work cooperatively on group projects and practice problem solving skills. Topics include greenhouse styles, hydroponics, plant taxonomy, plant anatomy and functions, plant physiology, fertilization plans, plant propagation techniques, integrated pest management, and landscape design. Students enrolled for a three-period block will receive enrichment in the area of either animal sciences or aquaculture. (See course descriptions below.)

**Animal Sciences (Grades 11 and 12) will prepare students to demonstrate competence in the application of scientific principles and techniques to the management of animal production enterprises.**

This course is designed to provide a forum in which students can study large, small and specialty animals. Students will explore the necessary elements—such as nutrition, genetics, habitat, and behavior—to create humane, ecologically and economically sustainable animal production systems. Numerous field trips to various animal enterprises and facilities are an integral part of the course. Opportunities will exist to enhance 4-H and FFA selection and judging skills.

**Aquaculture (Grades 11 and 12) is designed to introduce the students to the hobby of maintaining and breeding tropical fishes under controlled conditions, and to explore issues that directly affect the coast of Maine and its fishing industry and heritage. The course is divided into a classroom and lab environment.**

This course utilizes the MSAD #1 fish lab on site at PIRCTC and the numerous classroom tanks to model both marine and freshwater tanks. Students are responsible for the upkeep of the lab and also partake in numerous projects as needed. Classroom work will cover topics such as: all structural components of aquariums and aquarium design, marine ecosystems off the coast of Maine, overfishing, invasive species, and coral reefs. Field trips include visits to Grand Lake Stream State Fish Hatchery. This class offers an excellent opportunity for students interested in marine biology, outdoor recreation, fish hobbyists, and natural resources.

**Students may apply for summer positions at the MSAD #1 Educational Farm. Each student must apply with an application that includes references. Interviews may be part of this procedure. Students who are enrolled in the three periods will be given first opportunity for these employment opportunities.**

## **BUILDING TRADES**

**Building Trades I** students receive instruction on the safety of hand and power tools, followed by instruction on foundations, floor, wall and roof framing. Different sidings and types of roofing will be introduced. Students will learn how to layout, fabricate and repair wooden structures. Students will also learn about construction materials, estimating and blueprint reading application. In class projects include playhouses, storage buildings and other closely related building structures. A six to eight week masonry course will be introduced, covering the art of laying brick and block and chimney construction.

**Building Trades II** students will receive instruction on interior finishing. This work will include trim work, moldings and interior installation of doors and windows. Sheet rock and other wall finishing will also be covered. A six to eight week cabinetmaking course will be introduced, covering the basic construction of a cabinet. A variety of service projects are constructed in response to local demands and needs. Community service projects may be included to provide on the job training.

## **BUSINESS TECHNOLOGY**

**Accounting Principles** Individuals and businesses have a lot in common when it comes to money. Both earn it, spend it, save it, invest it and keep track of it. Keeping track of it is the most important choice one can make. Accounting Principles will give students the knowledge and skill to help them make both business and personal decisions.

**Business Lab** The primary function of the lab is to provide students with another opportunity to fit a business technology course into their schedule. Business Lab provides several different opportunities most of which involve independent study. Business Lab is also a place where a student may, through independent study, take an accounting class or the entrepreneurship class that would not fit into their schedule.

**Business Mathematics-BUS 115 (3 College Credits)** This course is designed to provide solid, practical and current coverage of the mathematical topics students must master to succeed in life and business today. Students will develop the computational and vocabulary skills necessary for retailing, marketing, accounting, business management, and finance.

**Customer Service-BUS 106 (3 College Credits)** a loyal customer base is one of an organization's most important assets. This course covers the concepts and skills needed for success in business careers. Emphasis is given to dealing with customer service and handling conflicts and stress.

**Digital Photography** is designed to offer students opportunities to develop fundamental skills in photographic composition. Techniques include: Rule of Thirds, Balance, Light, Point of View, Pattern, Motion, Selective Focus, Contrast and Variety, Texture, Mood, Framing and Depth of Field. Students will be required to develop a print and/or electronic portfolio.

**Entrepreneurship-BUS 109 (3 College Credits)** Do you think that you would like to work for yourself? Are you willing to take the risk? Would you like to learn what it takes to start and operate a business? This course will tell you about the opportunities for small business ownership and help you develop the necessary planning skills. Preparing a business plan will be a course requirement.

**Introduction to Business-BUS 101 (3 College Credits)** Introduces students to the environment in which business is transacted by presenting an overview of functional areas of business and the basic concepts of the business world.

**Introduction to Micro Computer Applications-CIS 113 (3 College Credits)** Provides students with a working knowledge of the operating system, word processing and presentation graphics using Microsoft Office. Coverage of the operating system will include working with and organizing files, personalizing the Windows environment, and managing the Windows 8 operating system.

**Marketing** provides an overview of the marketing skills and techniques used in product planning and promotion. Explores the strategy behind and implementation of a marketing plan, while covering consumer behavior, product life-cycle, marketing communications and pricing tactics.

**Personal Finance-BUS 114 (3 College Credits)** Designed to help individuals analyze and direct their own financial affairs. Students will practice and apply skills to begin a lifelong journey of personal financial planning. This course will provide strategies for managing personal financial resources, buying decisions, insurance, investing, and retirement planning.

**Principles of Accounting I-ACC 111 (4 College Credits)** This is an introductory course teaching the fundamental principles of accounting. Emphasis is on developing technical procedures of the accounting cycle including journalizing, posting, adjusting entries, closing books and preparing financial statements.

## **COSMETOLOGY**

**Cosmetology I** is a well-rounded program covering all phases of cosmetology. The approach to training is based on sound educational methods and teaching fundamentals. This type of program stresses a firm theoretical knowledge of cosmetology for development of a true professional. The first hours of the course include lectures, demonstrations, special projects, role playing, interpretation of reading material, and writing instruction.

**Cosmetology II** students are introduced to public clientele where they practice the knowledge gained during the previous training. It is only through applied knowledge that the

necessary experience and comprehension of cosmetology can develop. For the remainder of the course students are scheduled for theory classes, as well as, practical classes. Subjects such as the hairdresser-customer relationship, salesmanship, professional attitudes, the latest haircuts, advanced comb-out techniques, pressing and curling, beauty salon business, and permanent are covered in these classes. As students' progress through the training, becoming proficient in hairdressing procedures, the clinic experiences become more salon oriented.

## **DRAFTING/ENGINEERING**

**Drafting & Engineering I:** Students will learn basic 2D CAD (computer Aided Design) skills, blue print reading and basic architectural drafting and design fundamentals through practical application including developing mechanical and Architectural drawings and skills. Students will utilize state-of-the art 2D CAD technology including AutoCAD 2014.

**Drafting & Engineering II** is offered to those students who have successfully completed Drafting/Engineering I and hold an interest in perusing post-secondary education in engineering or architectural design or are interested in following a career path as a CAD designer. Building on basic 2D CAD and drafting knowledge and skills, Drafting/Engineering II offers students the opportunity to learn and develop advanced 2D and 3D CAD skills as applied to various engineering disciplines including Mechanical, Structural Architectural and Civil design utilizing state-of-the-art programs and methodology thru practical application. Additionally, Drafting & Engineering II provides students the opportunity to explore fundamentals of engineering & design, application as well as career and educational paths.

## **EARLY CHILDHOOD EDUCATION**

**Early Childhood Development** is designed to begin the process of teaching grades 11 and 12 students the skills required to work with young children. Students study the growth and development of children from birth to age eight and have the opportunity to assist in a nationally accredited childcare facility, in the PIRCTC/ACAP Collaborative Head Start classroom, Pine Street Elementary School, and/or local childcare centers in Head Start, Pre-K, and childcare classrooms for children ranging in age from infants through 4. Students become certified in Pediatric First Aid and CPR/AED and can earn their 10 hour OSHA certificate. This is a clinical-based program, which includes a laboratory experience for applying learning as well as time for observing, assessing, and interacting with children.

Students work directly with young children in designated classrooms assisting with arts and crafts, science, motor skills, dramatic play, table manners, reading, story time, music and movement activities and behavior management. Students also assist with daily cleanup duties and classroom maintenance. In addition, students have daily classroom instruction to learn how to enhance a child's social, emotional, physical, and intellectual development. Classroom lessons help students gain the knowledge they need to provide children with positive guidance, to observe and assess a child's development, and to plan and implement a variety of learning activities in a developmentally appropriate manner. Portfolios are used to record and assess the student's work.

**Early Childhood Education/Occupations** is a more in-depth study of safety, health, nutrition, child guidance, observations, and program management/professionalism. This class also has a heightened emphasis on the history of child development theories and research. The course is hands-on with students doing a combination of class work and implementation of learning on-site in the PIRCTC/ACAP Collaborative Head Start classroom, Pine Street Elementary School, and/or local childcare centers in Head Start, Pre-K, and childcare classrooms for children ranging in age from infants through 4. For example, students will develop lesson plans and have an opportunity to conduct at least one of their lessons with the children. Students become certified in Pediatric First Aid and CPR/AED and can earn their 10-hour OSHA certificate.

Early Childhood Development, in combination with Early Childhood Education/Occupations, are based on the requirements for the Child Development Associate Credential (CDA) and may also be used by eligible students for dual enrollment at NMCC for 9 college credits.

## **INDUSTRIAL & FARM MECHANICS**

**Industrial and Farm Mechanics I** teaches skills to maintain, repair, and overhaul industrial equipment and farm machinery. The fabrication of specialty equipment is also performed quite regularly. Students will evaluate all components of a machine, ranging from electronics to hydraulics to structural components. Though they may not yet possess the skills to correct a malfunction, students will learn how to diagnose machinery to determine whether or not it is operating properly. Some of the skills learned will be welding, metal cutting, metal shaping, small engine repair, project estimation, some automotive repair like brake systems, and oil changes.

**Industrial and Farm Mechanics II** reinforces the fundamental skills learned in Farm Mechanics I and includes the installation and/or repair of wiring systems and other electronic systems found on large farm and forest harvesting equipment. A focus on hydraulic systems will also play a large role in the program. Hands-on operation of heavy equipment also gives students a chance to better understand the equipment they work on.