

**STEARNS**

**JUNIOR-SENIOR**

**HIGH SCHOOL**

Program of Studies  
For Students and Parents

Stearns Junior-Senior High School 2018-2019

199 State Street

Millinocket, ME 04462

[www.millinocketschools.org](http://www.millinocketschools.org)

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## **Millinocket School Department Annual Notice of the Family Educational Rights and Privacy Act**

The Millinocket School Department wishes to remind all parents of children under the age of 18 and adult students of their rights to inspect and review the education records in accordance with the law and the following procedures:

*Parents must request in writing to review or inspect the records through the principal at each individual school. An appointment will then be made to review the records and a school official will be present.*

Directory information on students, such as names, ages, grade, field of study, participation in officially recognized activities and sports and awards received, may be made public without notice, unless the school is notified in advance that such information is to be withheld.

The Millinocket School Department forwards education records to other agencies or institutions that have requested the records and in which the student seeks or intends to enroll.

Remember as a parent, you have the right to:

1. Receive, upon request, a list of the types and locations of educational records kept on your child.
2. Inspect and review any of your child's records.
3. File a complaint with the U.S. Department of Education.
4. Ask for an amendment of any record on the grounds that it is inaccurate, misleading or violates privacy acts.
5. Give prior written consent to disclose any personally identifiable information from the education records.

For a review of all regulations and policy concerning these rights, contact any school principal or guidance counselor.

**MILLINOCKET SCHOOL DEPARTMENT  
AFFIRMATIVE ACTION POLICY**

The Millinocket School Department recognizes the dignity of the individual student/employee to work and learn in an environment, which is free of discrimination on the basis of sex, race, national origin, age, religion, marital status, or handicap. Accordingly, students and employees are prohibited from engaging in discriminatory practices. In addition, the Millinocket School Department assures that it will comply with all Federal and State laws, rules, and regulations which exist regarding civil and human rights.

Assurance of non-discrimination will be provided through compliance with policies and procedures developed by the Millinocket School Department.

The need for such policies and procedures, and their development and inclusion in current administrative requirements, shall be documented through the maintenance of Millinocket School Department Affirmative Action Plans.

Responsibility for implementing and enforcing this policy rests with the Superintendent of Schools and/or the Affirmative Action Officer designated by the Millinocket School Department.

## **STEARNS HIGH SCHOOL GRADUATION REQUIREMENTS**

**TOTAL NUMBER OF CREDITS TO GRADUATE: 22 MINIMUM (AT LEAST 6 CREDITS PER YEAR)**

- FOUR CREDITS OF ENGLISH
- THREE CREDITS OF MATH (ALGEBRA I, GEOMETRY, AND ALGEBRA II)
- THREE CREDITS OF SCIENCE (FRESHMAN SCIENCE, BIOLOGY, AND A SCIENCE ELECTIVE)
- THREE CREDITS OF SOCIAL STUDIES (MODERN WORLD HISTORY, AMERICAN HISTORY, AND GOVERNMENT)
- ONE CREDIT OF FINE ARTS
- ONE CREDIT OF HEALTH
- ONE CREDIT OF PHYSICAL EDUCATION

STUDENTS MUST SHOW PROOF OF THE COMPLETION OF THIRTY HOURS OF COMMUNITY SERVICE.

SUCCESSFUL COMPLETION OF THE NEW ENGLAND COMMON ASSESSMENT PROGRAM (NECAP) AND MAINE EDUCATION ASSESSMENTS (MEA) AS EVIDENCED BY MEETING THE STANDARDS ESTABLISHED BY THE MAINE DEPARTMENT OF EDUCATION AND THE LOCAL ASSESSMENT SYSTEM WILL ALSO DETERMINE IF THE STUDENT EARNS A DIPLOMA OR A CERTIFICATE OF COMPLETION.

## 4-YEAR COLLEGE PREPARATORY PROGRAM

The four-year College Prep is designed for students pursuing a four-year degree (Baccalaureate) or college program leading to a professional career.

Some careers such as: medical doctor, lawyer, teacher, business executive, accountant (CPA), physical therapist, nurse (BSN), scientist, engineer, psychologist, counselor, social worker, forester, environmental scientist, architect, pharmacist, artist, musician, require a 4 year degree.

### RECOMMENDED COURSES:

#### **Grade 9**

English I  
Pre-Algebra or Algebra I  
Freshman Science  
Foreign Language I  
Fine Arts (Art, Chorus, Band)  
Physical Education  
Modern World History

#### **Grade 10**

English II  
Geometry  
Biology  
Foreign Language II  
Physical Education  
Health  
Elective

#### **Grade 11**

English III  
American History  
Algebra II or Pre-Calculus/Trigonometry  
Chemistry or Science Elective  
Elective

#### **Grade 12**

English IV  
Pre-Calculus/Trigonometry or Calculus  
Science Elective  
American Government  
Math Electives  
Electives

## **2-YEAR OR JUNIOR COLLEGE PREPRATORY PROGRAM**

The two-year or Junior College Prep is designed for students pursuing an associate degree, diploma or certificate in a university, business college, community college, or technical college or those preparing directly for work force.

Some typical careers include: medical lab technician, x-ray technician, carpenter, electronics technician, child care worker, physical therapy assistant, veterinary assistant, nurse (LPN, CAN or RN-Associate Degree), machinist, welder, chef, dental hygienist, automotive technician, engineering technician, drafter, graphic artist.

### **RECOMMENDED COURSES:**

#### **Grade 9**

English I  
Pre-Algebra or Algebra  
Freshman Science  
Fine Arts (Band, Chorus, Art)  
Modern World History  
Elective

#### **Grade 10**

English II  
Geometry  
Biology  
Physical Education  
Health  
Electives(s) may choose technical course with approval

#### **Grade 11**

English III  
American History  
Algebra II  
Chemistry  
Elective Course or Business  
Career Elective(s) or other electives

#### **Grade 12**

English IV  
Math (elective)  
American Government  
Physics – Recommended for engineering and other technical careers  
Anatomy – Recommended for health careers  
Computer/Business or Career Elective(s)

## ENGLISH COURSES

**ENGLISH I (Freshman):**  
***1 Credit***

***Course Number: 0800***

Focus shall be placed on a yearlong exploration of a central idea. Specific units will use fiction, nonfiction, drama, and poetry to look at personal, cultural, and interpersonal relationships to the central idea. In addition to reading and writing, students will complete research projects, and study vocabulary and grammar throughout the year.

**ENGLISH II (Sophomore):**  
***1 Credit***

***Course Number: 0806***

The sophomore English program has its focus on World Literature. An additional component is the development of writing skills. The process includes the procedures for essays, reports, and writing prompts. Style, content, mechanics, and presentation are all foci of these activities. Class discussion, oral interpretation, written and oral presentation, and collaborative study will be integrated in this course.

**ENGLISH III (Junior):**  
***1 Credit***

***Course Number: 0812***

This American Literature course is required for all juniors. Course content will emphasize 20th century American writers including F. Scott Fitzgerald, Arthur Miller, and Harper Lee. There will be multiple opportunities for students to improve their reading comprehension and writing skills as well as sharpen their critical thinking skills.

**ENGLISH IV (Senior):**  
***1 Credit***

***Course Number: 0812***

This British Literature course is required for all seniors. Course content will include non-fiction, poetry, drama, novels that span from classic to modern, and a research project/presentation. Additionally, students will write their college application essays, and persuasive and expository essays.

**HONORS ENGLISH I**

This course is for the student with above average reading and writing skills. Student learning will focus on exploration of a central idea using fiction, nonfiction, drama, and poetry to look at personal, cultural, and interpersonal relationships to the central idea. Grammar study, critical analysis, and the writing process will form an integral part of this course. Inquiry, research, and critical thinking will be necessary to achieve success.

**Prerequisite: Student must have attained a grade of 90 or better in Grade 8 English.**

**HONORS ENGLISH II :**  
***1 Credit***

***Course Number:0824***

This course is for the student with above average reading and writing skills. It serves as a preparatory class for those who will take Honors or AP English at the junior and senior levels. Students will study world literature with a focus on modern literature and will also work from supplementary texts. A research paper is a critical part of the course work. Composition skills, critical analysis and grammar study are incorporated into the course, as are oral presentations and small group projects.

**Prerequisite: Student must have attained a grade of 90 or better in English I.**

**HONORS ENGLISH III:**  
***1 Credit***

***Course Number: H818***

This course examines in-depth the essential character of the American through in-class and independent readings of short stories, sketches, essays, novels, poems, biographies, and dramas selected from representative movements in American literature. The student is encouraged to develop clear, precise written and oral communication skills through a variety of composition, speech, and class discussion assignments, the ability to read mature works of literature independently of the teacher and to discuss and write about meaning and technique in a logical, persuasive manner. The course includes intensive reading and extensive writing.

**Prerequisite: Student must have attained a grade of 90 or better in English II and secure written permission from the instructor.**

**HONORS ENGLISH IV**  
***1 credit***

This course examines the essential character of the Briton through in-class and independent reading and writing. Course content will include non-fiction, fiction, poetry, drama, novels, and a research project/presentation. The course requires the ability to read mature works of literature independently and to discuss and write about meaning and technique in a logical, persuasive manner.

**FUNDAMENTALS OF WRITING/ WRITING WORKSHOP**

Team taught by Ms. Given and Mr. Brown

This course has a focus on writing informative, argumentative, and narrative texts; students will engage in the invention, revision, presentation, and citation processes. Students will learn the various methods writers use to begin writing their **compositions**, such as research and graphic organization. They will also learn various methods used to revise their writing including self and peer editing. Students will **develop an understanding of the difference between writing to read and writing to speak**. Students will **become adept at** various citation methods, namely the Modern Language Association (MLA) and American Psychological Association (APA) formats. This is a writing intensive course designed to prepare students for the rigor of college level writing which is integral to success in secondary education. **Prerequisite: permission of the instructors, Ms. Given and Mr. Brown**

# MATH COURSES

**PRE-ALGEBRA:**  
***1 Credit***

***Course Number: 0203***

Pre-Algebra is designed to prepare students for the study of algebra and geometry by providing a strong foundation in skills and problem solving. Topics covered include rational numbers, decimal numbers, integers, solving equations, number theory, ratios, percent's, proportions, solving inequalities, graphing, measurement, polynomials, statistics and probability.

**ALGEBRA I:**  
***1 Credit***

***Course Number: 0205***

In this course, students will understand and demonstrate a sense of what numbers mean and how they are used. They will be asked to describe the real number system and identify its appropriate applications and limitations. They will be asked to use various computation techniques to approximate solutions, determine the reasonableness of answer, and justify the result.

Data Analysis and Statistics is introduced and students are shown how to determine and evaluate the effect of variables on the results of data collection, how to predict and draw conclusions from charts, tables, and graphs that summarize data from practical situations. The idea of random sampling and its role in statistical claims and designs for data collection is touched upon as is finding the probability of compound events.

Students are asked to use measurement tools and units appropriately and recognize limitations in the precision of the measurement tools. They will create graphs that represent real life situations and then draw inferences from it. They will analyze, translate, solve and explain real-life problems using symbolic language (both equations and inequalities). Students taking this course should have successfully met the 8<sup>th</sup> grade Maine Learning Results.

**GEOMETRY:**  
***1 Credit***

***Course Number: 0207***

This is an axiomatic treatment of Geometry. Proofs, both formal and informal are used throughout the course. Additional topics include parallel lines and planes, congruent and similar polygons, right triangle geometry, a study of circles, and areas and volumes of plane figures and solids. Coordinate geometry is explored and the constant use of algebra necessitates successful completion of Algebra I.

**Prerequisite: Algebra I**

**ALGEBRA II:**  
***1 Credit***

***Course Number: 0210***

In Algebra II, the student acquires advanced skills in algebraic operations and techniques with improved accuracy and ability in applying them; increases his knowledge of functional relationships, properties and variations, and strengthens his ability to use algebra to analyze, solve problems, and to express abstract ideas. This course provides a sound basis for further study in mathematics and the sciences. Standards covered are Number/Quantity (The complex number system), Algebra (Seeing structure in expressions. Arithmetic with polynomials and rational expressions, Creating Equations, and Reasoning with equations and Inequalities), Functions (Interpreting Functions, Building Functions, and Linear and exponential models) and Statistics/Probability (Interpreting Categorical and Quantitative Data, Making Inferences and justifying conclusions, Conditional probability and the rules of probability, and Using probability to make decisions).

**Prerequisite: Algebra I**

**ALGEBRA II PART 1/ALGEBRA II PART 2**

Algebra II part 1 and Algebra II part 2 covers the same material that Algebra II covers but at a different pace. All the material in part 1 and part 2 must be completed to receive an Algebra II credit. Standards covered are Number/Quantity (The complex number system), Algebra (Seeing structure in expressions. Arithmetic with polynomials and rational expressions, Creating Equations, and Reasoning with equations and Inequalities), Functions (Interpreting Functions, Building Functions, and Linear and exponential models) and Statistics/Probability (Interpreting Categorical and Quantitative Data, Making Inferences and justifying conclusions, Conditional probability and the rules of probability, and Using probability to make decisions).

**PRE-CALCULUS:**  
***1 Credit***

***Course Number: 0212***

Pre-calculus completes the formal study of the elementary functions begun in Algebra 1 and Algebra 2. Students focus on the use of technology, modeling, and problem solving involving data analysis, trigonometric and circular functions, their inverses, polar coordinates, complex numbers, conics, and quadratic relations. **Prerequisite: Algebra II**

**TRIGONOMETRY:**  
***1 Credit***

***Course Number: 0230***

Student will study relations, functions, graphs, trigonometry, polar coordinates, complex numbers, limits, and derivatives. The student will analyze and graph mathematical functions. There is an emphasis on verification of trigonometric identities using all of the basic trigonometric identities. Students will use graphing calculators in activities that are appropriate to the topics being studied. **Prerequisite: Pre-Calc or Permission from Instructor**

**STATISTICS:**  
***1 Credit (Grades 11 & 12)***

***Course Number: 0215***

This is a year-long college level statistics course. Approximately 75% of college courses of study require a statistics course. Areas of study include Exploring Data, Sampling and Experimentation, Probability, and Statistical Inference. Graphing calculators are integral to this course. Stearns High School will provide calculators to all students taking this course.

**Prerequisite: “C” or better in Algebra II**

**AP CALCULUS AB:**  
***1 Credit***

***Course Numbers: 0213***

This course is primarily concerned with developing the students’ understanding of the concepts of calculus and providing experience with its methods and applications. It emphasizes a multi-representational approach to calculus, with concepts, results and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations are also important.

Special Note: Technology will be used regularly to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. A TI-89 is recommended and will be used throughout the course.

**Prerequisite: “C” or better in Pre-Calculus or permission of instructor**

**BUSINESS MATH :**  
***1 Credit***

***Course Number: 0211***

This course is designed to give students expanded knowledge of mathematic applications for personal use and business applications. The curriculum for personal use applications includes financing costs and loan procedures, as well as major consumer expenses and earnings; auto, housing, insurance, wages, benefits, banking, and investing. The curriculum for business applications includes the cost of recruiting, hiring, training, maintaining employees; manufacturing/production costs; purchasing/selling/marketing costs; transportation/warehousing/inventory costs; and financial management and planning. The use of the calculator is integrated throughout the course and computer applications are introduced.

**HONORS MATH:**  
***1 Credit***

***Course Number: 0214***

This is a year long course offered to any student who has completed Algebra II. Areas of study include Inequalities and Absolute Value, Matrices, Determinants, and Systems of Equations, Number Theory, Series and Sequences, Counting Principles and Binomial Theorem, Exponents and Radicals, Complex Numbers, Logs and Log Equations, Trig Mechanics, Trig Equations & Identities, Circles and Spheres, and Conics.

**Prerequisite: Algebra II**

**INTRODUCTION TO ENGINEERING DESIGN:**

***1 Credit***

Introduction to Engineering Design is appropriate for high school students who are interested in design and engineering or another technical career. The major focus of this course is to expose students to a design process, professional communication and collaboration methods, design ethics, and technical documentation. Introduction to Engineering gives students the opportunity to develop skills in research and analysis, teamwork, technical writing, engineering graphics, and problem solving through activity, project, and problem-based learning. Introduction to Engineering also allows students to develop strategies to enable and direct their own learning, an ultimate goal of education.

**Prerequisite: Algebra 1, College Geometry**

## SCIENCE COURSES

### **FRESHMAN SCIENCE:**

*Course Number: 0102*

*1 Credit*

This course consists of the basic principles of geology, meteorology, astronomy and oceanography as they relate to Earth Science processes and life sciences. The course is designed to broaden the student's scientific vocabulary. Subject content is presented in an integrated format, covering Life and Earth sciences.

### **BIOLOGY:**

*Course Number: 0105*

*1 Credit*

This course is available to students interested in science and mathematics. This will be a laboratory-oriented course with an emphasis on science as an inquiry. The content basis for this program will be a physiological, biochemical and evolutionary approach in nine unifying themes. Units covered will include cell biology, heredity, microbiology, botany, zoology, evolution, environmental and biological topics related to social problems. Representative members of both the plant and animal kingdoms will be dissected. Projects, scientific papers AND portfolios will be required. This is a lab based course.

### **ANATOMY AND PHYSIOLOGY (Human Biology):**

*Course Number: 0106*

*1 Credit*

This course will introduce the college bound students with an interest in the biological sciences, the principle of the structure, and function of the human body. This course stresses detail with major activities such as laboratory studies with dissection work, microscopic studies and physiology lab work. Library research and independent studies are encouraged. Projects and portfolios will be required. This is a lab based course.

**Prerequisite: Biology**

### **ANIMAL SCIENCE:**

*1 Credit*

This course will incorporate taxonomic classification, North American wildlife identification, animal behavior and training, animal health (including basic anatomy and physiology), wildlife rehabilitation, and wildlife techniques.

**Prerequisite: College Biology**

**CHEMISTRY:**  
***1 Credit***

***Course Number: 0107***

Great emphasis is placed on the activities of experimentation and observation as the basis for the knowledge of chemistry. Essential chemistry is presented in terms of understanding and/or interpretation of facts in a consistent and systematic manner. It is designed for students who according to their records and interest, demonstrate a better than average ability in mathematics, science or science related subjects.

**PHYSICS:**  
***1 Credit***

***Course Number: 0113***

The major focus of this course is to learn how to model physical phenomena through visual, graphical and mathematical techniques, and to apply the different models in a variety of applications. In this inquiry based class, teams of students work together to collect and analyze data, explore topic material, and discuss relevant information.

The major topic areas include: motion, forces, and energy. The process of learning how to handle new information and develop problem solving strategies is stressed in this course.

***Prerequisite: Algebra II and Geometry***

**FORENSIC SCIENCE**  
***1 credit***

This course is for students to delve into forensics. This will be a laboratory oriented course. The content basis for this program will be a physiological, biochemical approach to forensics (blood, fingerprints, hair, drugs, and ballistics). This is a lab based course. Projects and portfolios will be required.

**Prerequisite: Lab Biology**

## BUSINESS COURSES

### **COMPUTER APPLICATIONS:**

***1 Credit (Grades 9-12)***

Students will learn how to use industry leading business applications including Microsoft Office 365-Word, PowerPoint, Access, Excel and the online environment that hosts these applications.

### **CREATIVE APPLICATIONS:**

***1 Credit (Grades 9-12)***

Students will learn industry leading tools and techniques used in the Creative industries including- Photo Manipulation; Web Design; Animation Design; 3d Design; Game Design; and many others.

### **BUSINESS & PERSONAL FINANCE:**

***Course Number: 0516***

***1 Credit (Grades 9-12)***

This is a course designed to educate students of their financial responsibilities as citizens, students, family members, consumers, and active participants in the business world. Students will learn math skills that will help them understand basic banking skills, insurance, investments, and budgeting. The course will also focus on career decisions, money management, financial securities, credit management, resource management (renting vs. buying a residence, buying and caring for a vehicle), and risk management (focusing on property, liability, health, and life insurance decisions).

### **DIGITAL DESIGN:**

***Course Number: 0519***

***1 Credit Foundations of Design and Print Production (Grades 9-12)***

This is a yearlong, project-based curriculum that develops career and communication skills in print production and graphic design, using Adobe tools. Digital Design develops four key skill areas:

- Project management and collaboration
- Design
- Research and communication
- Professional print production using graphic design tools

Students develop these key skills in a spiral—each project adds more challenging skills to foundation proficiencies. Students experience subject areas and skills across careers in graphic design, photography, print and layout design, and production.

**ACCOUNTING:**

***1 Credit***

This is an upper level class (Juniors and Seniors) in which we will cover three types of businesses – proprietorship, partnership, and corporation in presenting a complete accounting cycle that covers analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries. Whenever possible, we will cover these topics from the perspective of a business owner.

**GAME DESIGN:**

This course introduces students to the basics of game design and character development using cutting edge tools like Adobe’s new Fuse app in an intensive, hands-on collaborative experience. Learn to create characters, develop characters and start the process of creating a 3D game using the latest Adobe tools.

Prerequisite: Must have successfully completed Digital Design or Creative Applications class

## SOCIAL STUDIES COURSES

### **MODERN WORLD HISTORY:**

***Course Number: 0316***

***1 Credit (Grade 9 Required)***

A course designed to connect students to the history of the modern world with an emphasis on geography. From the early River Valley civilizations to the 20<sup>th</sup> century of change and conflict to the effects of September 11, 2001, students will learn about the relationship of events and people; will develop historical knowledge of enduring themes in world history; and will develop an understanding of how our past helps to define who we are today.

### **AMERICAN HISTORY:**

***Course Number: 0304***

***1 Credit (Grade 11 Required)***

American History 304 is a survey of the political, economic, cultural, and social landscape that begins with Reconstruction and ends with the present administration. Students will focus on the enduring themes and the critical crossroads that animate major historical eras, paying particular attention to unique constitutional imperatives and evolving ideological presumptions. Throughout, the course will stress divergent historical interpretations and their political use.

### **AMERICAN GOVERNMENT:**

***Course Number: 0307***

***1 Credit (Grade 12 Required)***

Government 307 is a survey of the philosophical foundations, the ideological assumption, the constitutional structure, and the economic imperatives that are the bed-rock of the American political system. Integral to the course are an examination of the evolving rights and responsibilities of citizenship and a basic awareness of the global political and economic forces that shape reality. An introduction to Economics, both micro and macro, will also be presented.

### **CURRENT EVENTS:**

***Course Number: 0600***

***1 Credit (Grades 11, 12 and 10 with instructor's permission)***

This is a year long course that takes a look at the current issues facing our community, state, country and world. Students will research and develop theories on how to observe these current issues. Students will gain a better understanding of the issues we face today and in the future. There is no text book for this course, students will be studying the world around them via: Newspaper, Television, Magazines and Internet and connecting themes and patterns learnt in history and government classes with the world they live in today.

### **INTERNATIONAL RELATIONS AND GLOBAL POLITICS:**

***(Grade 11 & 12)***

This course is designed as an introduction to examine the multifaceted nature of politics and economics; theory and practice; and the development of international relations.

## FOREIGN LANGUAGE COURSES

**FRENCH I:**  
***1 Credit***

***Course Number: 0400***

French I is an introductory course of elementary vocabulary and grammar. Class work consists of oral drill, lecture, discussion, memorization and written work. The four skills of listening, speaking, reading, and writing will be given equal emphasis.

**FRENCH II:**  
***1 Credit***

***Course Number: 0401***

French II is a continuation of French I with the introduction of more complex structural patterns and vocabulary. Class work will follow the same general description for French I, but at a higher level. Classes will be conducted in French at least 50% of the time.

**FRENCH III:**  
***1 Credit***

At this level the emphasis shifts to the skills of reading and writing. Book reports, extensive reading, and French conversation will be expected. A grammar review will be done. Readings will be of literary, historical and cultural importance. All work will be completed in French. Students must have an 80 or above average or by permission of the instructor. Classes will be conducted in French 75% of the time.

**SPANISH I:**  
***1 Credit***

***Course Number: 0404***

The beginning Spanish course offers an introduction to the vocabulary and the grammatical structure of the language. Students apply their learning in oral exercises as well as written work. Stress on the four skills of listening, speaking, reading, and writing is about equal. Students are required to do several projects, individual and in small groups.

**SPANISH II:**  
***1 Credit***

***Course Number: 0405***

A follow-up course to Spanish I, this course explores in more detail the grammatical structure and vocabulary including many more idioms of the Spanish language. The format is quite similar to Spanish I but more in depth. More conversation skills are included. Projects assigned are slightly more in depth.

# PHYSICAL EDUCATION AND HEALTH COURSES

## PHYSICAL EDUCATION:

*Course Number: 0900*

*1 Credit*

The physical education program is structured so students may broaden their education through means of physical activity. Students are provided with opportunities to improve in self-awareness, in-game knowledge and game sense, and in skill competency. Students will develop and improve personal and social behaviors, develop knowledge to be physically fit and take part in various lifetime activities.

### **Individual & Dual**

Paddle Ball

Tennis

Golf

Physical Fitness

Weight Training

### **Team**

Basketball

Football

Volleyball

Floor Hockey

Softball

### **Recreational**

Table Tennis

Hunter Safety

Badminton

Aerobics

Team Handball

## HEALTH:

*Course Number: 0904*

*1 Credit (Required Course for graduation)*

Health is a comprehensive health class that encompasses the Maine Learning Results Health Education Standards for grades 9-12. A variety of topics will be covered with emphasis on physical, social, emotional and mental health as it relates to each unit studied. Units were chosen based on the MLR and the six categories of health risk factors for teens compiled by the CDC (Center for Disease Control and Prevention). The units taught in the first half will include: health foundations/wellness, decision-making, communication skills, stress management, nutrition/eating disorders, violence/abusive relationships, harassment and conflict skills. Units covered in the second half include drug, tobacco, and alcohol prevention, refusal and coping skills and human sexuality (reproduction, growth and development, abstinence, birth control, sexually transmitted infections and HIV). A variety of lessons, activities and assessments will be used in this course to ensure all students success.

## PERFORMING AND VISUAL ARTS COURSES

The performing and visual arts student, if involved with the program throughout their high school career, should develop the ability to express ideas and feelings as well as:

- Use the vocabulary, elements, principles and structures of art forms to communicate ideas, feelings, and moods and to interpret meaning in others' work;
- Use problem solving skills, the creative process, reflection and self-evaluation in creating, revising, and refining works in progress;
- Use a variety of approaches, styles, media, and performance modes to develop and create works;
- Understand the roles, relationship, and differences between and among the performing arts and use knowledge and skills inherent in the arts in other disciplines.

Through the study of performing and visual arts the student will learn to:

- Understand how the arts shape and are shaped by prevailing cultural and social beliefs and values;
- Recognized exemplary works from a variety of culture and historical periods;
- Use knowledge of artistic elements and principles to determine how and when the arts are being used to manipulate, to persuade, and to influence.

It is a State Requirement that all students need one credit in Performing and Visual Arts in order to graduate from high school. This credit may be obtained by participating in the following courses sometime during their high school career.

**HIGH SCHOOL CONCERT BAND: (Fine Arts Elective)      Course Number: 0001**  
**1 Credit (Grades 9-12)**

The band deals primarily with concert band literature and attempts are made to perform a wide a variety of musical styles from different periods of music. The band performs in concert two to three times per year and also attempts to attend at least one Concert Band Festival during the school year. Band is open to all school students who play a wind instrument or percussion.

In addition, the concert band members are required to serve as members of the pep band for football and basketball games, including football playoffs and basketball tournament games.

**CONCERT CHORUS (Option for Performing Arts Requirement/Elective):**

***1 Credit***

This course is designed for all high school students as an option to fulfill their fine arts graduation requirements in a performance based class. Concert chorus is designed to increase the student's musical vocal abilities, technical skills, develop musical and self expression all in an enriching and enjoyable class requirement. This course also acts as a foundation to many performing arts co-curricular activities. If you are interested in Unified Harmony Show Choir, Jazz Band, One Act, and the Fall Musical, we recommend you take this performance based class. At the completion of this course, students should achieve proficiency in all required performing arts standards in the required graduation standards.

**SOUND ENGINEERING/VIDEO PRODUCTION**

***Course Number: 0729***

***1 Credit***

Interested in the recording industry? Want to work as a producer or engineer, in a recording studio, in live sound production, in audio for film, television and video games, or anywhere else in audio industry?

This course is designed to give you hands on practical experience in audio engineering and give you a glimpse into a possible career in audio. Students learn the techniques and technology used in modern audio careers. Students participate in extensive hands-on work in a studio and a live sound environment. Students will use microphones, mixing consoles, workstations and signal processors.

This course also offers an overview of audio production theory and technology. It gives the student a useful vocabulary covering the area of audio production and provides the student with the basic theory upon which production skills can be built.

Are you creative, organized and expressive? Do you love television and film? Are you interested in a career in Television or Film Production? Then Video Production will give you the exposure and experience you need to achieve these goals.

Students in Video Production will learn the technical, operational, and creative basics of single camera production. Students will focus on skills used in producing, directing, and production management. As well as incorporating hands on experience in equipment applications including videography, lighting, field audio, and video editing.

**MUSIC APPRECIATION (Option for Performing Arts Requirement/Elective):**

***1 Credit***

This course is designed for all high school students as an option to fulfill their fine arts graduation requirement if they choose not to take a performance based class (example: Chorus, Band, or Art). Course topics covered are: An overview of Music History, a basic introduction to Music Theory, as well as basic level piano/MIDI instrument musical performance. At the completion of this course, students could achieve proficiency in all required performing arts standards in the required graduation standards.

**MUSIC THEORY AND HISTORY(Elective):**

***1 Credit***

This course is designed for anyone who is thinking about a career in music, or anyone who wants a finer appreciation of music structure and history. This course covers the history of western music as well as the structure, complexity, and science of the musical composition, and how the two are intertwined. This course will dive more deeply into the theoretical and historical aspects of music than it is possible to do in a performance based course. One year of high school chorus or band is recommended, but is not required.

**MUSIC THEORY AND HISTORY II(Elective):**

***1 Credit***

This course covers more advanced and a deeper understanding of Music Theory and History than in Music Theory and History I. Students will be taught the basics of percussion, Piano, and Guitar, and will be expected to play all at a beginner's level. Composition will also be a part of this course. Students will compose and analyze choral music in the styles of the major musical eras. At the completion of this course, students will be very well prepared to take college level theory and history.

**Pre-Requisite: Music Theory and History I**

**MUSICAL THEATRE (Elective):**

***1 Credit***

This course is designed for anyone who is thinking about a career in acting, musical theatre, or theatre production, or anyone who would like to have a finer understanding of American Musical Theatre and what that business entails. Course topics covered are: Musical Theatre Acting, Musical Theatre Performance, Set Design, Lighting Design, Sound Design, Costume Design, Make-Up Design. Other course topics include: Musical Theatre History, Musical Theatre Business, and live performance production as a whole. At the completion of this course, students will have a deeper understanding, appreciation, and ideas on careers in the performing arts industry. Also, students who are wishing to participate in Unified Harmony Show Choir, Jazz Band, One Act, and the Fall Musical are encouraged to take this course, as it will support these programs by giving a deeper understanding of the skills involved in these co-curricular opportunities.

**INTRODUCTION TO GUITAR:**

***Course Number: 0017***

***1 Credit***

This class is a performance based class and is designed for the beginning guitar student. Students will learn and apply music fundamentals to the guitar. Included in those fundamentals are proper technique, reading notation, fingerboard geography, rhythmic skills, style and interpretation, and performance etiquette.

The end result of this class will hopefully inspire the student to work independently, continue further study on guitar, and/or seek private instruction. This class will help set the stage for improvisation, composition, and student performance. Students will be required to perform for an audience twice a year.

**ART I:**  
***1 Credit (Grades 9-12)***

***Course Number: 0023***

Art one is an introductory visual arts class offered to any freshman, sophomore, junior or senior needing a fine arts credit. Art one is a studio based program organized around the elements and principles of design, incorporating history and the human experience. Students will be learning different techniques, utilizing both traditional and non-traditional mediums guided by historical reference.

**ART II:**  
***1 Credit (Grades 10-12)***

***Course Number: 0024***

Art II class will be filled by teacher-approved students only. Interested students will need to petition the art teacher for a signature. Each student will be considered based on his or her individual merits. Art II students will delve deeper into the sources of creativity, inspiration, and achievement in art. Students will develop and maintain an individual portfolio of their artwork. (Grades 10-12, Art I and instructor permission required).

## REGION III - VOCATIONAL EDUCATION COURSES

### **LAW ENFORCEMENT:**

*Course Number: 0713*

*3 Credits (Grades 11 & 12)*

The Law Enforcement Program is designed to introduce students to a career that is exciting and personally rewarding. The academically rigorous and physically demanding program emphasizes teamwork and effective communication skills. Students will be asked to demonstrate a positive attitude and good moral characteristics that exemplify that of a Law Enforcement employee. Students will also have exposure to various other Public Safety Professions. Through a dual enrollment agreement with Central Maine Community College (CMCC), students will have the opportunity to earn (3) College Credits in Criminal Justice at no cost to the student.

### **EMT:**

*3 Credits (Grade 11 & 12)*

The Emergency Medical Technician (EMT) course is designed to prepare the attendee to work as an EMT and initiate life-saving emergency medical care. The participant will be trained in patient assessment, airway management, cardiopulmonary resuscitation, automated external defibrillation, basic medication administration, wound dressing, hemorrhage control, splinting, spinal immobilization, childbirth, lifting, moving, and extricating patients. This course includes clinical experience in a hospital emergency department and/or ambulance service. Students who successfully complete this course will receive 5.5 credits through Eastern Maine Community College (EMCC), and are eligible to sit for the State of Maine EMT and National Registry of EMT licensure exams

### **AUTOMOTIVE TECHNOLOGY:**

*Course Number: 0708*

*3 Credits (Grades 11 & 12)*

Automotive Technology is a two-year program providing students with the critical thinking skills necessary to diagnose, service, and repair automobiles. A heavy emphasis is placed on creating a real-life shop work environment. Students are encouraged to continue their education at the post secondary school of their choice. Students may earn ASE Certification in Maintenance and Light Repair, Brakes and Steering and Suspension. Students will also have an opportunity to earn a Maine State Inspection License.

### **WELDING TECHNOLOGY:**

*Course Number: 0712*

*3 Credits (Grades 11 & 12)*

Welding is a skill used by many trades: sheet metal workers, iron workers, diesel mechanics, boilermakers, carpenters, marine construction, steamfitters, glaziers, repair and maintenance personnel in applications ranging from the sculpture home hobbyist to heavy fabrication of bridges, ships and many other projects. A variety of welding processes are used to join units of metal. As a welder, you may work for shipyards, manufacturers, contractors, federal, state, county and city governments, firms requiring maintenance mechanics, and repair shops.

Our welding technology program provides training in SMAW (shielded metal arc welding), GTAW (gas tungsten arc welding), PAC (plasma-arc cutting), GMAW (gas metal arc welding), FCAW (flux-cored arc welding), OAW (oxyacetylene welding), OAC (oxyacetylene cutting), and basic fabrication. Lecture portions of the program include blueprint reading, welding principles, structural steel codes, welding inspection, quality control and non-destructive testing I & II.

Dedicated students will have the opportunity to become a Structural Certified Welder through the American Welding Society. Northern Penobscot Tech has been training students for over 25 years and has hundreds of graduates working as successful welders nationwide.

**CULINARY ARTS :**  
***3 Credits (Grades 11 & 12)***

***Course Number: 0716***

The Culinary Arts program is a two-year program that enables students to study all aspects of the food service industry, and helps prepare for a successful career in the field. Students are taught safety in food preparation and storage, proper equipment use, all methods of cooking, service, menu planning and records keeping. This course is designed to build fundamental skills, and combines daily classroom work with hands-on kitchen practice. Culinary Arts students serve lunch to the entire Region III faculty and student body on a regular basis. Students also cater various school and community functions. Upon completion, students will have the knowledge to continue in post-secondary culinary education, or begin a successful career in food service.

**ACADEMICS:**

Region III recognizes the importance of academics in the overall success of our students. For those students who have fallen behind on their graduation requirements, we offer several courses through an online computerized learning system. (PLATO). Students work at their own pace, with on-site individualized instruction provided by a certified teacher. This teacher is also available to provide general academic assistance to struggling students.

**CONSTRUCTION TECHNOLOGY/CABINETMAKING**  
***3 Credits (Grades 11 & 12)***

***Course Number: 0704***

The Residential Construction Technology Fine Woodworking/ Cabinet Making program offers students an opportunity to learn the skills needed to become a successful and valued employee in today's construction industry. With emphasis on construction carpentry and fine woodworking/cabinet building and computerized drafting using "Chief Architect. Students will learn in a well-equipped newly constructed modern shop at Region III. A wide variety of projects challenge students in a live real-world atmosphere. Projects range from digital computer design, rough framing of buildings, roofs, decks stairs, application of siding to interior fine finish woodworking. Student's daily plan and design layout projects from start to finish working directly with customers. The live work learning experience develops confidence and skills in a supportive and challenging environment.

The Fine Woodworking and Cabinet Making Concentration offered in the Building Construction Technology provide students with an option tailored for differing occupational goals. Students will gain the knowledge and skills necessary to plan and complete custom cabinetry projects. Emphasis is placed on selecting proper materials, determining the best construction procedures, manufacturing parts to specification, assembling, and finishing individual projects. Students choose courses focus in drafting, cabinet layout, estimating and design of cabinet making, furniture, and millwork. Students apply their studies by building different types of custom cabinets, furniture and an array of customer driven request in each year of their program.

**HEALTH SCIENCE CAREERS:**  
**3 Credits (Grades 11 & 12)**

**Course Number: 0711**

### **Registered Medical Assistant**

The Registered Medical Assistant (RMA) program is a 2-year program that offers students an opportunity to take two national certification exams: Registered Medical Assistant and Registered Phlebotomy Technician. This college-level program provides students an opportunity to: participate in flu shot clinics, phlebotomy rotations, complete an internship at a health care office (during the spring semester of the second year), work directly with physicians, and learn clinical procedures, such as injections, various testing (cholesterol, mono, rapid strep, etc.), EKG, sterile field, and pulmonary function test.

Although students may gain employment directly out of high school, the majority of graduates choose to go on to college to pursue a degree in the medical field. Students who go on to college have benefited greatly from the knowledge they attained from this program. Local employers who have hired our students directly out of high school include Penobscot Valley Hospital, Millinocket Regional Hospital, Katahdin Valley Health Center, Health Access Network, Penobscot Community Health Center, Eastern Maine Medical Center, and St. Croix Family Medical Center. The average starting salary at these facilities is between \$13.00 and \$14.50 per hour with benefits and paid vacation.

### **Certified Nursing Assistant**

The Certified Nursing Assistant (CNA) program is a one-year program that offers students a chance to receive a State of Maine certification as a Certified Nursing Assistant. In addition to a CNA certification, students also receive an opportunity to earn three credits in Medical Terminology from Central Maine Community College, Southern Maine Community College, and Eastern Maine Community College. Students will also become certified as a CPR/First Aid provider.

Local hospitals, nursing homes, and home health care agencies employ hundreds of CNAs. These employment opportunities become available to students as early as March of the school year they are attending. Locally, CNA wages start at \$9.00 - \$11.50 per hour. There is no shortage of available CNA jobs in the local area. This makes the CNA program an ideal opportunity for students who would like to obtain a good-paying job in the local area.

### **Medical Administration Specialist**

The Medical Administration Specialist (MAS) program is a 1 or 2-year program that trains students how to work in a medical office, clinic, and hospital setting. Medical Administration Specialists are skilled in medical records management, insurance processing, coding and billing, management of medical practice finances, information processing, and fundamental office management tasks. Students who enroll in the 2-year program will have an opportunity to take the American Medical Technologists (AMT) Certified Medical Administrative Specialist (CMAS) test. In addition to the certification test, second-year students will participate in a 160-hour externship in a local medical office.

Students who enroll in the one-year program will learn Medical Office Technology. All first and second year students will have an opportunity to earn three college credits in Medical Terminology from Northern Maine Community College, Eastern Maine Community College, and Southern Maine Community College.

### **COMMERCIAL DRIVING:** **3 Credits (Grades 11 & 12)**

**Course Number: 0719**

Students who attend the Commercial Driving class will learn all aspects of class A tractor-trailer driving, including Safety, maintenance, and operation. Students who successfully complete the CDL course will sit for the State of Maine Class A permit, and will have the opportunity to take the road test to obtain their Class A license.

### **WEB DESIGN/DIGITAL COMMUNICATIONS:** **3 Credits (Grades 11 & 12)**

**Course Number: 728**

Students in Region III's Web Design/Digital Communications program learn the fundamentals of Video Production and have fun at the same time! Students will learn proper camcorder operation and how to edit using Final Cut Pro. Students also manage our Cable Access Station where we air community events and our video productions. Additionally, students will learn the basics of website design and video game design.

Students will complete the Adobe Photoshop Classroom in a Book training series.

Lessons include how to retouch photos, manipulate images, create original artwork, and prepare work for the web. Successful students in this curriculum will be able to take the Adobe Certified Associate Exam in Visual Communication. This is a nationally recognized certification.

### **INFORMATION TECHNOLOGY:** **3 Credits (Grades 11 & 12)**

**Course Number: 727**

Information Technology is all about skills. Students will perform some of the routine maintenance, upgrades, repairs, and other tasks for systems at NPT Region III. This repair course can be taken as a single course or as a preparation for the Networking course. Students will learn essential skills related to the IT trade. The Information Technology course provides an opportunity for students to get hands-on understanding of how hardware and software work. This is combined with studies that prepare our students for the COMPTIA A+ and Network+ certification exams, which are administered at Region III.

**JOB'S FOR MAINE'S GRADUATES (JMG):**  
***1 Credit***

***Course Number: 735***

JMG is designed to teach a variety of skills to help students meet the needs of an ever-changing global marketplace. It helps students market themselves through career exploration, portfolio development, resume building, and job interview skills. Students will develop leadership skills, do community service and develop the self-confidence to be able to compete in today's environment.

**CAREER PREP:**

Career Prep is designed to teach a variety of skills to help students meet the needs of an ever-changing global market place. It helps students market themselves through career exploration, portfolio development, resume building, and job interview skills. Students will develop leadership skills, do community service and develop the self-confidence to be able to compete in today's work environment.

## ***OTHER ACADEMIC OPPORTUNITIES***

### **UNIVERSITY OF MAINE FORT KENT- RURAL U**

A variety of online courses are available Fall and Spring through the University of Maine at Fort Kent. Cost is \$85 for a 3 credit course. Textbooks and other materials are not included in fee. You must be a Junior or Senior with a 2.0 or higher GPA. Please see the Guidance Dept. for more information and list of classes.

### **UNIVERSITY OF MAINE- ACADEM-E**

Online courses available through the University of Maine at Orono Fall and Spring at no charge for up to six credits. Textbooks and other material not included. You must be a Junior or Senior with a 3.0 average or higher. You must attend a one day orientation program at the Orono campus. Please see the Guidance Dept. for more information and a list of classes.

### **VIRTUAL HIGH SCHOOL**

A variety of online high school courses are available for Fall and Spring semesters. Most are .5 credits. There is some funding available for tuition. Please see the Guidance Dept. for more details.

### **AP4ALL**

A diverse selection of advanced placement courses available online at no charge for Juniors and Seniors. Courses are year-long with sign up the previous spring. Please see the Guidance Dept. for more information and to sign up.