



Carney-Nadeau Public School

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Carney-Nadeau Public School

Junior-High and High-School Course Catalog

2024-25

Section 1: High-School Courses

English Language Arts

English 9 (Required)—English 9 is primarily designed to improve writing, reading, speaking, and listening skills. Students will both interpret and respond to a wide variety of written works, including novels (fiction and non-fiction), essays, films, and short stories. Students will repeatedly be asked to forge connections with the works they read in class to the lives they lead outside of the classroom in the hopes of building their sense of empathy for those whose lives may be vastly different than their own. Grammar, spelling, punctuation, structure, word choice, and pacing will be studied and practiced but never in isolation of a larger context or broader purpose. Students will come to regard the act of writing as a skill they can utilize in life to help them reach their goals and connect with others.

English 10 (Required)--The primary goal of English 10 is to pull back the curtain, so to speak, on the writing process and to show students exactly how effective writing “works”. Through the reading of essays, short stories, articles, plays, and novels, students will learn the ways in which professional authors work to achieve the intended response from their readers. While doing so, we will focus on the components (effective openings, meaningful conclusions, transition sentences, complex sentences, effective word choice, claims, evidence that supports said claims, etc) by which writing succeeds. Students will first study the professional use of these components, and then repeatedly practice utilizing them in their own writing, always with the end goal of leading their readers exactly to where they want them to go. Students will also learn grammatical conventions, but, as opposed to learning them in isolation, these conventions will always be taught within the context of whatever formal paper they are currently writing.

English 11 (Required)--English 11 is primarily an exploration of the literary concept known as "author's purpose," which, here, we will define as the response authors seek to invoke in their audiences. Author's purpose is achieved through detail inclusion, detail omission, critical analysis, characterization, word choice, tone, organization, stylistics, voice, and a host of other literary techniques. Students will study the ways in which authors realize their intended purposes and then utilize these same techniques in their own writing to achieve the desired response from their own readers. In doing so, they will read articles, essays, short stories, novels and plays, and, as appropriate, watch films. The overwhelming majority of their grade in this class will stem from the quality of the completed formal work they write in response to these texts. Students will learn grammatical conventions, but, as opposed to learning them in isolation, these conventions will always be taught within the context of whatever formal paper they



are currently writing.

English 12 (Required)--In English 12, students will first review the many components inherent to the concept of "Author's Purpose," which they studied in great detail in English 11, and they will begin to put those concepts to work within their own writing to achieve their intended purposes. To that end, students will frequently write to an audience that extends well beyond their teacher, be it via cover letters for a job application, scholarship essays, or responses to essay questions on college admission forms. They will also write several papers in which they take a position on a contemporary issue in the hopes of convincing their readers to agree with their stance. These positions will be informed by in-class readings of novels, essays, and short stories, as well as documentaries and the occasional film.

Media Aide (Elective)—This course allows high school students a diverse range of opportunities to utilize the skills they've learned in their high school English classes. Depending on the assignment, students may assist elementary students identified by their teacher as having difficulty with written expression by providing encouragement and feedback on coursework, or they may find themselves in the main office assisting with various written communications. They may also hone their speaking and listening skills by aiding elementary students during afternoon specials by summarizing and rephrasing instructions offered by the classroom teacher, checking for comprehension, and assisting as necessary. In many cases, students in this class will function as something of a "big brother" or "big sister" to those younger students with whom they are working and will serve as both a positive role model and an example of what success in school may look like. This course is highly recommended for any student who is considering a career in teaching, literacy, writing/editing, administration/business, childhood development or other such likeminded fields.

Mathematics

Algebra I (Required)--Algebra 1 topics include recognizing and developing patterns using tables, graphs and equations. In addition, students will explore operations on algebraic expressions and apply mathematical properties to algebraic equations. Students will solve problems using equations, graphs and tables to investigate linear relationships.

Geometry (Required)--In Geometry, students will examine and explore many new mathematical concepts. The foundations of the real number system will be established as we set to work proving various theorems and studying several axioms that make up what we know as the set of real numbers. Three-dimensional analyses of common shapes and figures will be performed as we distinguish between linear, planar and 3-D spaces.

Algebra II (Required)—In Algebra II, introductions to functions, matrices, trigonometry, and probability & statistics are covered in this class along with in-depth studies of linear equalities and functions such as quadratics, polynomials, exponentials and logarithms. Powers, roots, and radicals are explored further as well. The course is a good culmination of high school mathematics, but also acts as an excellent platform from which to advance to college level mathematics.

Personal Finance (Required, Senior Level Math Course)--This course will introduce the learner to the basic skills, knowledge, and context of financial decision making. Financing consumption and purchasing decisions are covered, as are insurance, risk management, and building wealth. The costs of using credit will be explored as we study the major financial decisions that most face throughout life; from starting your first savings account, to estate planning and retirement.



Math Interventions 9 (Elective)--Students will have the opportunity to review and further explore previous mathematical concepts including those from Algebra 1; such concepts include but are not limited to recognizing and developing patterns using tables, graphs and equations, operations on algebraic expressions, applying mathematical properties to algebraic equations, problem solving using equations, graphs and tables, investigating linear, quadratic and exponential relationships.

Social Studies

U.S. History 9 (Required)-- This course will be a study of the United States and its history from the post-Civil War era to the present day. Common topics to be covered with be: Reconstruction, Republican Rule, Settling the West, The Rise of Industry, Immigration to America and its Consequences, The Rise of Cities, America as a World Power, The Progressive Movement, World War I and its Aftermath, The Jazz Age, The Great Depression, Roosevelt and the New Deal, Origins and the study of World War II, The Cold War, Postwar America, The New Frontier & The Great Society, The Civil Rights Movement, The Vietnam War, The Nixon Years, The End of the Cold War, The Persian Gulf War, Modern Times and 9/11.

Government/Economics (Required)-- This course is designed with U.S. Government being taught first semester and Introduction to Economics the second. U.S. Government starts with the principles of government, moves through the various government branches and how they affect the decision making of politicians. Texts, primary documents, videos, and worksheets are utilized to reinforce the objectives taught. Students are put into the position of policy makers and thus learn how they have to follow various procedures and the avenues available to them when formulating legislation. During the economics portion of the course students are introduced through general economic principles. They are guided through the process of individual budgeting as opposed to the budgeting process of the nation as a whole. Students are also given life related economic issues, and how they affect their life decisions.

World History 11 (Required)-- This course is a comprehensive review of important societies, religions, eras, conflicts, and developments which encompass the world. This world history course is broken down into 5 main units. Ancient Civilizations, the Middle Ages, the Renaissance and Reformation, Age of Revolutions, and World War II to the present.

Current Events—(Elective)-- This course will feature daily news articles from CNN 10 or the Daily Press newspaper. Students will report on an article that is discussed in either of these sources daily. Every 4-6 weeks they will choose an article previously reported on and research it more in depth. We will do projects, such as posters on current news issues. Students will also spend time watching documentaries that pertain to current events in the news, and they will write a short summary of what they viewed each day along with their opinion on the matter.

Criminal Justice—(Elective)--This class will be an introduction to the criminal justice system. We will start by looking at the system's origins and foundations and the rule of law through four separate aspects: sociological root causes of crime, law enforcement, the judicial system, and corrections. The juvenile justice system will also be studied. Throughout this course we will research crimes and write reports as a means to determine their underlying sociological cause and to determine how similar crimes can be prevented in the future. To this end, we will also be analyzing documentaries on specific cases. Periodically, we will be joined by guest speakers who work within the criminal justice system to come in and give an overview of what their jobs entail.



Science

(Note: Beginning in the 2025-26 school year, Biology and Chemistry will be respectively taught at a higher grade level than they have in the past. Whereas Biology had been a required course for 9th graders and Chemistry a required course for 10th, beginning in the 2025-26 school year, Biology will be a required 10th grade class, and Chemistry will be a required class in 11th grade. This transition stems from both the increased rigor of these courses and the fact that many of our transfer students from neighboring schools come to us in 10th grade having not yet taken biology or in 11th grade having not taken Chemistry. To facilitate this change, and in order to avoid any grade levels repeating a course, during the 2024-25 school year Physical Science is being taught at both the 9th and 10th grade levels and is a required course for both classes. Beginning in 2025-26, Physical Science will only be a course required for students in 9th grade. In this manner, no student will have repeated a required science course, and all students will have had multiple opportunities to complete the three science courses we require for graduation as well as a fourth, elective science class they may take at their own discretion.)

Biology (Required)—In Biology, students will learn and practice the principles of scientific inquiry as we study Cellular Structure, Function, Energy, and Reproduction; Genetics; and the History of Biological Diversity. This course includes bookwork and hands-on lab activities.

Chemistry (Required)—In Chemistry, students will learn and practice the principles of scientific inquiry as we study Matter and Change, Scientific Measurement, Atomic Structure and the Periodic Table, and Chemical Bonding. This course includes bookwork and hands-on lab activities.

Physical Science (Required)--This course will focus mainly on chemistry concepts. We will learn and practice the principles of scientific inquiry as we study the Atoms, Elements, Chemical Bonding, Chemical Reactions and Equations, Mixtures, Solubility, and Acid Base Solutions. This course includes bookwork and hands-on lab activities.

Science Careers/Yearbook (One Semester Each, 1/2 Credit, Elective)-- This is an elective class to explore the known and lesser known science related careers. As such, the course will focus on the following activities and tasks:

- Research presentations on different science careers
- Writing lab reports
- Guest speakers/Skype a Scientist
- Watch TED Talks/documentaries/podcasts
- Possible field trips such as visiting the DNR, wastewater treatment, hydrodam, science museum etc.

In Yearbook, students will gain, develop, and master skills in one or multiple areas of the yearbook creation process. Whether they're interested in page design or photography, copywriting or marketing, or any other skill required to create a memorable yearbook, students will be able to come to class every day and learn by doing. Outside of developing these individual skills, we're also working towards a single, shared goal: to create the most memorable yearbook CNPS has ever seen. Students will also learn filming and film editing skills to produce the weekly CNPS News segment.

Agricultural Science

(Note: This is a certified Career and Technical Education Program)

Botany (Elective)— Botany class includes the study of structures, functions, and relationships of plants. Students construct explanations and arguments to classify plants into major plant taxa and determine



their relationships, adaptations, and change over time. Students investigate and analyze data to explain how plants interact with and depend upon their environment for survival. The final semester also includes the benefits of plants in landscape design, principles of design, agribusiness skills and careers. Students will also engage in leadership and skill development related to the agriscience industry which can be further developed through involvement in the Carney-Nadeau Chapter of the National FFA Organization. All students are encouraged to have an SAE(Supervised Agricultural Experience) project that will often continue throughout the summer. Ex: livestock projects, landscaping, entrepreneur projects and more).

Food Nutrition and Home/Farm Maintenance (Elective)—

Semester I:

Emphasis is on Kitchen and food safety, food prep, individual nutrition needs for health promotion and disease prevention, food sources of nutrients, current nutritional issues and diet analysis for both humans and animals. Also includes U.S. & International Food systems, food security, sustainable agriculture and food safety careers.(elective, science, or substitute for a language credit) >(this course offered every 3 rd year in rotation with other electives)

Semester II:

This course covers **fundamentals of maintenance and repair of home/farm facilities** A course that introduces basic tool ID, tool safety, home and ag shop safety, residential electrical wiring (safety, permits and installation), introduction to small engines (parts, functions, tools and safety), chainsaw safety and maintenance, and home/farm seasonal/winterizing preparations and more. (this course offered every 3 rd year in rotation with other electives)

Foreign Language

Spanish 11-12 (Required)-- Spanish 1 teaches students introductory vocabulary using written, oral, and practical applications. Students learn to communicate about themselves, their school environment, and describe their likes and dislikes. They focus on day-to-day means of communication as well as learning standard Spanish grammar. Students also take a deep dive into Hispanic and Latin cultures in America and around the world.

Music/Band/Performing Arts

7-12 Grade Band (Elective)--Through performance in band, students will continue to develop instrument specific techniques, listen to recordings of professional musicians, make musical decisions based on knowledge of varying styles and genres, evaluate the quality of musical performances, and learn how to convey a composer's intent to an audience through the use of musical techniques.

The goals of the Carney Nadeau Band Program are:

1. To study, rehearse, and prepare music to the highest level of understanding and excellence so that students can experience the excitement of sharing musical gifts with others through performance.
2. To provide students with an opportunity to be a part of the greater whole – to know that each individual is equally important to the success of the entire group.
3. To learn about ourselves through the journey of studying, preparing, and performing music that will help make us better people.



Music Appreciation (Required)--Music Appreciation is an exploration in the materials and masterworks of great music, from Medieval Chant to Contemporary Popular styles. Students begin by studying the elements of music (pitch, melody, rhythm, harmony, form, etc.) then learn about the instruments of the orchestra and build a comprehensive vocabulary with which to understand and evaluate musical expression. Students will survey Western Civilization musical history, from the Middle Ages through the present time. Students will become aware of musical form, the great works and composers of Classical music, Pop, Rock, and Jazz, and music theater, ultimately becoming a better music listener.

Health/Physical Education

Health/and Physical Education 9 (Required)--Health 9 is a one-semester course that satisfies half of the one credit required for graduation as stipulated by the Michigan Merit Curriculum. Health 9 expands on the foundations learned in Health 7-8, by further exposing students to the Michigan Model of Health curriculum. Within this curriculum, students analyze and discuss basic nutrition, decision making skills, coping mechanisms regarding mental and emotional health, injury prevention, drug awareness, communicable and noncommunicable diseases, and reproductive health. The purpose of this course is to equip students with the knowledge they need to make wise choices concerning their body and wellness. To that end, the Physical Education portion of this curriculum emphasizes healthy living and social-emotional wellness through the promotion of physical activity, strength training and conditioning, and active play. The activities/learning in which students engage are designed to promote their health and wellness here in the present but to promote a mindset that encourages a healthy, active lifestyle and mental wellness in the years to come. Students will also engage in leadership and skill development related to the agriscience industry which can be further developed through involvement in the Carney-Nadeau Chapter of the National FFA Organization. All students are encouraged to have an SAE(Supervised Agricultural Experience) project that will often continue throughout the summer. Ex: livestock projects, landscaping, entrepreneur projects and more).

Technology

Technology 10 (Elective)--This high school technology course provides critical tech knowledge and skills that will make a difference in student learning and life. Lessons are designed to be self-paced, platform-agnostic, aligned with core subjects, and themed to the topics important to high school students. Lessons focus on coding, debate, engineering, financial literacy, Genius Hour, Google Earth, image editing, infographics, Internet searches, math, presentations, Photoshop, robotics, SketchUp, spreadsheets, visual learning, webtools, word processing, writing ebooks, and more. The textbook we are using is Technology Curriculum, High School Book 1, by Ask a Tech Teacher. There are three books in the series. All books include three foundational topics that are considered critical to student technology success:

- keyboarding
- digital citizenship
- problem-solving

Vocational Education

(Note: 11th and 12th grade students at CNPS have an opportunity to take a 7th hour class in



Welding/Woodworking through a partnership we share with the North Central Area School District, a neighboring school seven miles to our North. The descriptions below originate in the North Central Course Catalog).

WELDING/Woodworking Cabinet making (One Semester Each, ½ Credit Each, Elective): WELDING offers a curriculum leading to careers in the welding industry. StuWelding and fabricating dents will explore three different welding methods and learn welding and general metal fabrication and metal shop safety. The first area covered will be Oxy-Acetylene welding/cutting. The second method will be TIG welding and the final area will be traditional Arc or (Stick) welding. Students will gain a basic understanding and proficiency level in each of these areas. Small fabrication or repair projects will be allowed as time permits. All safety equipment and supplies are included. Beginning welding is a hands-on class. Students will be practicing and producing welds for self and teacher evaluation. Students are encouraged to give each other feedback as well as helping each other when needed. A shop atmosphere promoting teamwork is one of the goals of this class.

Woodworking and Cabinetmaking is an overview of the field of wood technology. This is an excellent foundation course for a career in woodworking or construction. It is designed to instruct students in the areas of reading project drawings, knowledge of woods and uses, calculations of materials, numerous joinery designs, wood lamination and project procedures. A major emphasis will be placed on shop safety, proper hand and power tool usage and wood processes. This course provides students with an in-depth introduction to the woodshop and the student will gain practical knowledge needed to work on their own projects or continue on with lifelong skills in woodworking and construction. Students will construct various teacher assigned projects as well as the opportunity to create, design and build personal projects of their choice with teacher guidance and close supervision.

Dual Enrollment

(Note: High School Students at Carney-Nadeau Public School have the opportunity to take online college-level courses for credit through a partnership we share with Bay De Noc Community College. The costs of these courses are paid for by Carney-Nadeau Public School)

The 2024-25 course catalog for dual-enrollment classes is available here:

https://mybay.baycollege.edu/ICS/Community/Default_Page.jnz?portlet=Course_Schedules&screen=Advanced+Course+Search&screenType=next%22%20target=

Section II: Junior-High Courses

English

English 7—English 7 serves as a continuation in the Bookworms Literacy Learning curriculum that students are first exposed to when they enter Kindergarten. Students will read a wide variety of novels—both fiction and non-fiction—in a wide variety of genres as a means to sharpen the comprehension and analytical skills they will be employing to greater effect in high school and beyond. Whole group and partner reads are employed throughout the course and are typically followed by group discussions. Portions of the class have students segmented into groups for tiered interventions and differentiated instruction. Rhetorical devices such as tone, voice, word choice, grammar, punctuation, pacing, structure are repeatedly practiced within the context of major papers

English 8—English 8 serves as a continuation in the Bookworms Literacy Learning curriculum that students are



first exposed to when they enter Kindergarten. Students will read a wide variety of novels—both fiction and non-fiction—in a wide variety of genres as a means to sharpen the comprehension and analytical skills they will be employing to greater effect in high school and beyond. Whole group and partner reads are employed throughout the course and are typically followed by group discussions. Portions of the class have students segmented into groups for tiered interventions and differentiated instruction. Rhetorical devices such as tone, voice, word choice, grammar, punctuation, pacing, structure are repeatedly practiced within the context of major papers

Mathematics

Math 7— This is a math class designed to build on and review skills learned prior to 7 th grade, and also to build new skills required for the introduction to Algebra. It goes through the objectives of Ratios, proportions, per cents, integers, rational numbers, multiple step equations, on to Geometry and the various parts of figures. The course finishes up with units on probability and statistics. All of the previously mentioned standards are worked on and related to real life situations through word problems and practical applications.

Pre-Algebra 8-- In the course of Pre-Algebra students will explain proportional relationships and use number lines and coordinate planes to reason with integers. Additionally, students will develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities, and using them to solve problems. The laws of exponents are studied in order to begin to find solutions to simple exponential equations. This is a perfect “getting ready” course leading to an understanding and mastery of Algebra I in high school.

Science

Science 6-- This is a year long required course for 6th grade students. This course will focus mainly on earth science concepts and will dip into biology to prepare for 7th grade. We will learn and practice the principles of scientific inquiry as we study the Solar System, Earth and Earth Systems, Natural Resources, Classifying Life, and Genetics. This course includes bookwork and hands-on lab activities.

Science 7--This is a year long required course for 7th grade students. This course will focus mainly on biology concepts. We will learn and practice the principles of scientific inquiry as we study the Classification of Life, Cell Structure and Function, Reproduction in Organisms, Genetics, Biological Change Over Time, and Human and Plant Systems and Reproduction. This course includes bookwork and hands-on lab activities.

Science 8--This is a year long required course for 8th grade students. This course will focus mainly on physics and chemistry concepts. We will learn and practice the principles of scientific inquiry as we study the Laws of Motion, Energy, States of Matter, Atoms, Elements, and Chemical Bonding. This course includes bookwork and hands-on lab activities.

Social Studies

Social Studies 7—This course provides students with an opportunity to learn the diverse history that has shaped our world, this course investigates the evolution of civilization from the rise of ancient empires through the 21st century. The course helps students form connections between diverse areas of the world using the themes of trade, migration and centers of world power.



U.S. History 8--History 8 is a course that starts with geography and the ways in which it influences how and (of course) where people live and then transitions to the early exploration and settlement of the Americas. It dives deep into the efforts and struggles by which our nation was forged, and then concludes in 1865 at the start of the Civil War. Lessons are taught in conjunction with a textbook, outside articles, video clips, journaling, and discussion on events that have happened during this period in our nation's history, particularly those that continue to shape our world today.

Agricultural Science

7th & 8th Grade Agriculture, Food and Natural Resources—These are introductory courses regarding where our food comes from, how to be good consumers and an understanding of our natural resources in the Upper Peninsula. Students will learn about common agricultural animals, wildlife, pets, crops, vegetables, other food sources, careers etc. Topics will rotate between odd and even years in order to allow both grade levels to take both courses. Students will also engage in leadership and skill development related to the agriscience industry which can be further developed through involvement in the Carney-Nadeau Chapter of the National FFA Organization.

All students are encouraged to have an SAE(Supervised Agricultural Experience) project that will often continue throughout the summer. Ex: livestock projects, landscaping, entrepreneur projects and more).

Music/Band/Performing Arts

6th Grade Band--The 6th Grade Band is our beginning band program. This instrumental music course is designed as an introduction to the basics of performing on a wind or percussion instrument. Students prepare for and participate in concerts, developing skills specific to the instrument they play. The course includes note reading, basic music vocabulary, and beginning music theory. In addition to listening to, describing, and performing music from a variety of cultures, students demonstrate a knowledge of performance etiquette and work together in an ensemble.

Health/Physical Education

Health/PE 7—Health/PE 7 is a yearlong course that makes use of the Michigan Model for Health as its core curriculum. As such, this class blends instruction on how to live a healthy, sustainable lifestyle with lessons pertaining to student mental health, positive decision making, and coping with stress/trauma with more hands-on learning in the form of physical activity. The former focuses on the functions of bodily systems, personal healthcare, nutrition, wellness and social-emotional awareness, while the latter pertain more to encouraging an active lifestyle through exercise, games, and competitive sports.

Health/PE 8—This yearlong course utilizes the Michigan Model for Health as its core curriculum and continues to build upon lessons and instruction from Health/PE 7 by diving deeper into the facets of healthy living, social-emotional awareness, and maintaining an active lifestyle. These aspects are not taught in isolation, but are blended throughout each class period in order to provide students with a balance of intellectual learning and physical activity.

SEL/Study Skills

SEL/Study Skills 7-- This junior high-level course is designed to help students build essential skills for both



school and personal success. Students will work independently on coursework and participate in activities that focus on mindfulness, understanding emotions, managing time effectively, and thinking critically. Topics such as group dynamics and personal health and wellness are covered in a way that supports teamwork and encourages healthy habits. Through practical lessons and independent practice, students will learn tools to handle academic and personal challenges with confidence, setting a strong foundation for their future studies.

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