2017-2018 New Day Charter School
Course Descriptions & Scheduling Information

Note: Students and their parents/guardians need to make sure that they are scheduled in enough credits to be grade promoted to the next school year. In order to be grade promoted, students in:

- **9th grade must earn 6 credits to be grade promoted to 10th grade**
- **10th grade must earn 12 credits to be grade promoted 11th grade**
- **11th grade must earn 18 credits to be grade promoted to 12th grade**
- **12th grade must earn at least 24 credits to graduate**

Graduation Requirements:

- **English** **4 credits**
- **Math** **3-4 credits**
- **Science** **3 credits**
- **Social Studies** **3 credits**
- **Health/PE** **2 credits**
- **Personal Finance** **.5 credit**
- **Computer Applications** **.5 credit**
- **Career Management** **.5 credit**
- **Electives** **7+ credits**

Total Credits: 24 credits, including Citizenship Project

English/Language Arts

Language Arts 700 CCSS (7th Grade) No Credit

Language Arts 700 is a thematic study of literature that explores accounts of earth, space, and survival. Throughout this course, students will delve into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts. Students will demonstrate their understanding of various works by analyzing how common themes like exploration, innovation, and courage are able to transcend diverse time periods and genres. They will also develop their writing skills as they focus on the six traits while

producing argumentative, narrative, and expository compositions. With a strong emphasis on close reading instruction, research activities, and speaking and listening tasks, this course will help students expand their understanding of literature while building 21st century skills. Curriculum decisions for this course are guided by the Common Core State Standards.

Language Arts 800 CCSS (8th Grade) No Credit

Language Arts 800 is a survey of literature that explores the work of various writers of different time periods through an historical lens. Students should enter this course with a foundation in analyzing, through a close study, various genres of literature and making connections with historical perspectives and the arts. In this course, students will build on these skills by studying a range of classic and contemporary literature to convey themes of American History, Natural History, World Civilization, and Air and Space. Students will also develop their writing skills while producing informative, argumentative, and narrative compositions. Supported by a balance of fictional and informational texts, students will learn and practice close reading, modeled reading, writing, speaking, and listening strategies. Curriculum decisions for this course are guided by the Common Core State Standards.

English Composition (9th Grade) 1.0 Credit

English Composition is an evidence-based, writing intensive course designed to prepare students for the Keystone Literature Exam. English Composition is designed to develop students' abilities to think, organize and express their ideas clearly and effectively in writing. Students enrolled in the course will engage in research, think critically, write in response to reading, and cite evidence to answer text dependent questions both orally and in writing. The course provides extensive opportunities for students to collaborate with their peers. Emphasis is placed on the various forms of expository writing such as process, description, narration, comparison analysis, persuasion and argumentation. Numerous in class writing activities are required in addition to extended essays written outside of class.

English II CCSS (10th Grade)
1.0 Credit

English II students will study literature that spans centuries, continents, and genres. Each of the four thematically-integrated units encourages close study of this literature and its context. Students will gain valuable cultural insight as they read and write about works depicting the social, personal, religious, and political struggles and triumphs faced by people all over the world and all through history. Students will continue to build their literacy skills by engaging in focused reading, composition, speaking and listening activities, vocabulary study, and research. By the end of the course, students will have gained a broader perspective and will be well-prepared to apply that perspective to the

study of American Literature in Grade 11. Curriculum decisions for this course are guided by the Common Core State Standards.

English III CCSS (11th Grade) 1.0 Credit

English III is a survey of American Literature and literary culture from its inception through the twentieth century. Students will explore the major literary forms, themes, authors, and periods of American Literature. They will understand how this literature represents the experiences of people native to America, those who immigrated to America, and those who were brought to America against their will. Emphasis is placed on a rhetorical analysis of the literature to determine how authors achieve a particular purpose or effect. Through focused readings, composition, speaking and listening activities, vocabulary study and research, students will continue to build the literacy skills they need to meet the challenges of high school and beyond. Curriculum decisions for this course are guided by the Common Core State Standards.

English IV CCSS (12th Grade) 1.0 Credit

By twelfth grade, students have repeatedly peered through the window to humanity that literature has opened for them. Through it, they have gained valuable perspective on their world,past and present. Their close-textual interaction with literature over the past three years should have heightened their appreciation for those texts, improved their critical and analytical skills in reading and writing, enhanced their speaking and listening abilities, and enriched their academic and personal vocabulary. The window will now open on selected works of European literature from the twelfth century through the twenty-first century. Students will approach this literature chronologically, so they can see the influences on and evolution of the ideas and forms. Writing, research, and speaking assignments will continue to focus on formulating and expressing ideas and arguments about the readings. Particular emphasis will be placed on gaining critical perspective on the relationship between content and form and on synthesizing ideas into clear and concise prose and presentations. Curriculum decisions for this course are guided by the Common Core State Standards.

Science

Science 700 (7th Grade) No Credit

Science 700 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 600 course, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 700 include the scientific method,overview of the four major areas of science, mathematics in science, astronomy, the atmosphere, natural cycles, weather and climate, human anatomy and physiology, and careers in science.

Science 800 (8th Grade) No Credit

Science 800 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on Science 600 and Science 700, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 800 include the structure and properties survey of the major areas of science. Some of the areas covered in Science 800 include the structure and properties survey of the major areas of science. Some of the areas covered in Science 800 include the structure and properties of matter, measurement and mathematics of science, geology, oceanography, natural cycles and resources, science of matter, measurement and mathematics of science, geology, oceanography, natural cycles and resources, science.

Introduction to Biology (9th Grade)1.0 Credit

Intro to Biology is intended to expose students to the designs and patterns of living organisms and their interactions with the environment. In preceding years, students should have developed a foundational understanding of life sciences.

Biology (10th Grade) 1.0 Credit

Expanding on Introduction to Biology, this Biology course will incorporate more abstract knowledge. The student's understanding should encompass both the micro and macro aspects of life, and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, plant structure and function, animal structure and function, and ecology and the environment.

Environmental Science (10-12th Grade) 1.0 Credit

Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course also considers ways in which human populations affect our planet and its processes. Of special emphasis is the concept of sustainability as a means of using resources in a way that ensures they will always be around us.

Mathematics

Math 700 (7th Grade) No Credit

In this course, students receive an introduction to algebraic concepts and functions through a study of integers, fractions, and decimals; a study of ratios, proportions, and percents; a study of statistics and probability; and geometry and measurement. Students will follow design of the Math Connects Course 2 textbook, as well as additional materials. Students will be expected to demonstrate their knowledge on assignments, projects, quizzes and tests.

Pre-Algebra (8th Grade) No Credit

provides standards-based coverage of all of Grade 8 Math, including a robust introduction to the basic concepts of algebra and its prerequisites. Topics Include: Whole Numbers and Integers; Fractions; Decimals; Ratios, Proportions, and Measurement; Percents; Equations and Inequalities; Graphing, Functions, and Sequences; Exponents, Polynomials, and Radicals; Angles, Lines, and Polygons; Transformations; Perimeters, Areas, and Volumes; Data Analysis and Probability; and Other Topics Available.

Algebra IA (7-9th Grade) 1.0 Credit

Algebra 1A is a standards-based course that provides comprehensive coverage of the Common Core (CCSS) and State Standards. It focuses on the algebra concepts and prerequisites typically covered in the first half of an Algebra 1 course. Topics include: Arithmetic Readiness; Real Numbers; Linear Equations; Linear Inequalities; Functions and Lines; Systems; Data Analysis and Probability; and Other Topics Available.

Algebra IB (10-11th Grade) 1.0 Credit

Algebra 1B is a standards-based course that provides comprehensive coverage of the Common Core (CCSS) and State Standards. It focuses on the algebra concepts typically covered in the second half of an Algebra 1 course. Topics include: Arithmetic Readiness; Real Numbers; Linear Equations; Linear Inequalities; Functions and Lines; Systems; Exponents; Polynomials and Factoring; Quadratic Functions and Equations; Radicals; Rational Expressions; Data Analysis and Probability; and Other Topics Available.

Geometry (9-10th Grade) 1.0 Credit

Students navigate learning paths based on their level of readiness. Institutional users may customize the scope and sequence to meet curricular needs. Topics Include: Algebra and Deductive Reasoning, Lines and Angles, Triangles, Polygons and Circles, Similarities and Transformations, Volumes and Surface Areas, Coordinate Geometry, Other Topics Available.

Algebra II (11-12th Grade) 1.0 Credit

Algebra 2 provides standards-based coverage of Algebra 2, with no coverage of Trigonometry.Topics include: Real Numbers and Linear Equations, Lines and Functions,

Systems of Linear Equations and Matrices, Exponents and Polynomial Expressions, Quadratic and Polynomial Functions, Radicals and Advanced Functions, Exponential and Logarithmic Functions, Rational Expressions and Functions, Conic Sections, Sequences and Probability, and additional topics.

Advanced Math (11-12th Grade) 1.0 Credit

Advanced Math is a full year high school mathematics course intended for the student who has successfully completed Algebra II. This course is designed to prepare students for college-level and real-world mathematical reasoning. The concepts covered in this course integrate the topics of Algebra II and Trigonometry.Students are exposed to several branches of mathematics and will explore ways in which each one can be used as a mathematical model in understanding the world.

Consumer Math (11-12th Grade) 1.0 Credit

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.

General Math (9-12th Grade) 1.0 Credit

General Math is a year long course focused on building upon skills in basic operations, fractions, decimals and measurement. The course incorporates practical applications of mathematical skills as related to vocational and technical trades.

Social Science

World Civilization (7th Grade) No Credit

World Civilizations examines the growth of human society from our earliest beginnings to the present. Students will study such topics as agricultural societies, ancient civilizations, empires, trade, and migration. The lessons in this course will help students answer the following questions: 1. How do the interactions between people, the environment, and ideas form cultures, civilizations, and societies? 2. Is the history of civilization a story of progress? 3. In what ways have human choices shaped history? 4. What brings people to conflict and cooperation? 5. How do events and trends influence individuals, nations, and the world? and 6. What factors influence how we record or interpret history?

PA History & Geography 800 (8th Grade) No Credit

History and Geography 800 focuses on American History, covering the subject from early exploration through the present day, with special emphasis given to the Civil War and to inventions and technology of the 19th and early 20th centuries. These areas of focus target three major content strands: History, Geography, and Government and Citizenship.

U.S. History I: Foundations to Present (9th Grade) 1.0 Credit

U.S. History Foundations to Present covers early American exploration to the present day, placing special emphasis on the politics of the 18th and early 19th centuries and the Civil War. These areas of focus target three major content strands: History, Geography, and Government, and Citizenship.

U.S. History II: Reconstruction to Present (10th Grade) 1.0 Credit

U.S. History Reconstruction to Present examines American history from the Civil War to the present day, placing special emphasis on the major political, economic, and social movements of the twentieth century.

Economics (11-12th Grade) .500 Credit

The goal of this semester-long course is to provide students with a strong foundation in basic economic principles. Students will examine topics such as: Scarcity; Economic roles of individuals, organizations, and institutions; Factors that affect supply and demand; Different market structures; Market regulation; and Macroeconomy.

Government (11-12th Grade) 1.0 Credit

Government focuses on American and international governments. Students will learn about the history of governments, the characteristics of the United States government, political parties, and voting. These areas of focus target two major content strands: History, and Government and Citizenship.

The Holocaust (11-12th Grade) .500 Credit

World War II was a global conflict that included a period of genocide known as The Holocaust. This course examines The Holocaust by studying the pre-war attitudes toward the Jewish people, the ghettos where Jews were forced to concentrate, the labor and death camps, the Final Solution, and the experiences of other "inferior" groups during the Nazi era. Students will also consider anti-Semitism after the end of the war and question whether anti-Semitism and prejudice continues even today.

World History (10th Grade) 1.0 Credit

World History explores the people, events, and ideas that have shaped history from the beginnings of human society to the present day. It is the story of the interaction between people, the environment, and ideas that form cultures, societies, and civilizations. World

History is the story of human choices that link the past to the present and influence the future. Historical patterns are identified across times, places, ideas, institutions, cultures, people, and events. The course explores the past to the present, focusing on how events and trends on the local, national, and global sphere are interrelated.

Business Electives

Keyboarding (7th Grade)

Keyboarding and Applications is a semester-long elective that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. In this course, students will learn about proper keyboarding technique. Once students have been introduced to keyboarding skill, lessons will include daily practice of those skills. Students will gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, they will apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations.

Study Skills (7-8th Grade)

Introducing the basic concepts and methods needed to increase study skills. Specific areas covered are listening, textbook reading, time scheduling, note-taking, test-preparation and test-taking strategies, project and paper development, basic study systems improvement, memory processes and strategies, and models of critical thinking. The course is designed to improve students' knowledge and application of effective study and cognitive/thinking strategies so they can succeed in school.

Career Explorations Jr. High (8th Grade) No Credit

The Career Explorations 1 course is designed to give seventh- and eighth-grade students an opportunity to explore various Career and Technical Education subjects. Each unit introduces one particular field and explains its past, present, and future. Students can then explore that career in more detail as a high school student.

Computer Applications Part I, Part II (9-12th Grade) .500 Credit/Class

During the first semester, students will strengthen their keyboarding skills for personal and business use; review the alphabet, number keys, symbols, and their applications; increase their speed and accuracy use proper techniques; and develop skills to include arranging, placing, and spacing copy in the formatting of personal business and business letters, memos, reports, and tables. Report formatting will be taught using MLA style.

Career Management (9-12th Grade) .500 Credit

Career exploration is both a semester-length and full year - length high school elective course that assists students in their preparation for career selection. The course is

designed to improve workforce skills needed in all careers including: communication, leadership, teamwork, decision making, problem solving, goal setting, time management. Students will complete activities that help identify personal interests, aptitudes, and learning styles. Students will use results of self-assessments to determine careers that may prove personally satisfying.

Pathways Preparation (11-12 Grade) .500 Credit

This course will introduce students to resources essential for preparing for transition into the workforce, military, or post-secondary education. It will provide exposure to professionals working within the community who will present information about a variety of career pathways. Students will be provided with the opportunity to work with test preparation resources for the ASVAB exam, complete courses to earn Industry Recognized Credentials, participate in career exploration presentations, and complete dual enrollment courses.

Personal Financial Literacy (9-12th Grade) .500 Credit

Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities. In addition to the default course program, Personal Financial Literacy includes extra alternate lessons, projects, and tests for use in enhancing instruction or addressing individual needs.

Digital Arts (11-12th Grade) .500 Credit

This course introduces the world of printing technology and print publishing, including digital media. Students study technological evolution and advancements in printing since the invention of paper. A timeline of (predominantly U.S.) journalism gives students a glimpse into magazine editing, digital printing technology, broadcast journalism, and the legal and ethical issues of news reporting today.

Intro to STEM (11-12th Grade) .500 Credit

This semester-length high school elective introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students will be introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students will explore some of the great discoveries and innovations in STEM and review and analyze some of the world's problems that still exist today.
Students are introduced to several computer applications used to analyze and present technical or scientific information. They will also gain a higher understanding of the uses for images and measurement in everyday life. Finally, students will be challenged to use

a selection of problem- solving strategies to solve a wide variety of unique problems representative of the kinds of strategies frequently used in these disciplines. Throughout the course, students will have the opportunity to gain a better awareness of their specific strengths through practical applications and awareness of the various careers in STEM.

Health & Physical Education

Jr. High Physical Education (7th Grade) No Credit

Health Quest (8th Grade) No Credit

a health science elective course for upper elementary and junior high students. The curriculum introduces students to the concepts of what good health is, why good health is important, and what students should do in order to achieve good health.

High School Health (9-12th Grade) .500 Credit

is a health science elective course that introduces students to what good health is, why good health is important, and what students should do in order to achieve good health.

Physical Education (9-12th Grade) .500 Credit

is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation.Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness,strength, endurance, and nutrition is also included.

Physical Fitness (9-12th Grade) .500 Credit

is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long term exercise program.

Personal and Family Living (9-12th Grade) .500 Credit

is a semester-long high school elective takes students on an interactive exploration of the challenges they may face as they transition into adulthood, including constructive conflict resolution, nutrition and health, building healthy families, financial responsibility, and long-term employment.

Dual Enrollment

Dual Enrollment means taking college courses while being a high school student. New Day Charter School has dual enrollment agreements with Juniata College and Penn Highlands for students that want to take college courses. We have also had students attend other local colleges for dual enrollment. It is a great way to get a head start on college courses, while finishing out your last year of high school. You will receive both college credit and high school credit for the successful completion of dual enrollment courses. Please see the guidance counselor for additional information.