

IDCYA General Course Descriptions

Cadets have the opportunity to earn two credits in English, mathematics, social studies, science, and physical education. They will have the opportunity to earn one credit in health and consumer economics, speech or humanities and elective credit in career exploration, and leadership.

English-2 credits (01053)

This course focuses on English proficiency development with an emphasis on addressing the Common Core Standards. The majority of the content will be on reading informational and literary text closely, writing in response to those readings and editing for clarity and understanding. Students will be provided opportunities to listen and speak in a manner that prepares them to meet career and college readiness standards.

Integrated Algebra and Geometry-Meets Senior Math Requirements-2 Credits (02061)

Algebra / Geometry emphasis: The course starts off with a quick review of basic algebraic concepts, such as variables, order of operations, exponents and problem solving skills. Students will gain a thorough introduction to functions, the basis of all of algebra and higher mathematics. Students will also learn how to solve linear equations, including multistep equations, equations with multiple variables and equations involving decimals, as well as write a linear equation based on the graph of a line. This course also gives the students a thorough introduction of functions and quadratic equations. They will learn all the operations associated with the two, such as factoring and graphing. The end of the course takes the students' knowledge of algebra one step further by introducing them to some basic concepts of geometry such as area of plane figures, surface area and volume of three-dimensional objects. Advanced students may be provided a more rigorous course to meet their needs.

Social Studies:

a. Government 1 Credit-(04151)

We will be teaching American Government out of the textbook, *We the People; The Citizen and The Constitution*, with the content supplemented with primary source historical documents. This will course will infuse US Government, United States History, World History, and Geography concepts where appropriate. During this time, we will provide a historical overview of political, military, scientific, and social developments in the United States. This course includes a Civics component, examining the general structure and functions of the American system of government. The major goal of this course is to teach students how to become responsible American citizens.

b. American History 1 Credit (04101)

American History will be taught using *We the People; The Citizen and The Constitution*, and other various primary sources. This course primarily focuses on the time frame of American Independence to Civil War era American History and includes more recent historical events as they relate to American

Government. This history includes Presidential history and the American involvement in the various wars. The major goal of this course is to teach students about the successes and failures of our government, so learning can help ensure future success as a nation.

Science- 2 Credits-(03201)

The IDYCA Integrated Science course is a curriculum that is designed to introduce, expand and blend a large amount of the scientific courses traditionally taught in a regular High school setting. This course will encompass components of Environmental Science, Biology, Anatomy, Physiology, Ecology, Fisheries, Wildlife, Forestry, Chemistry, and Physics. This class provides crucial content and learning processes that may have been missed or a student has never been exposed to for various reasons. The goal is to understand Science as a whole and how the systems of the world work simultaneously together. Cadets will complete subtopic units and course long projects that integrate crucial scientific elements from each listed above. This course is lab-based and has a variety of hands-on learning in and outside of the classroom. They will also gain real world applications using an indoor Aquaponics system, an outdoor greenhouse and how to utilize those food products grown in class, in our Dining facility. Scientific vocabulary will be built throughout, careers will be explored and regular assessments of the cadets progress is monitored. Advanced students may be provided a more rigorous level of depth to meet their needs along with scaffolding and extra support for those with lower Scientific background knowledge.

Physical Education 2 Credits- (08001)

Focus will be fitness and conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness and the foundational skills behind these skills. Additionally, instruction in proper nutrition, planning a workout program, exercise safety, body awareness and BMI, and weight loss will be thoroughly integrated.

Health 1 Credit-(08051)

Students will comprehend core concepts related to health promotion and disease prevention to enhance health including: Mental, Emotional, and Social Health; Nutrition and Physical Activity; Consumer and community health, Environmental Health; Growth, Development and Family Life; Prevention and Control of Disease; Alcohol, Tobacco, and Other Drugs; and Injury Prevention and Safety.

Consumer Economics 1 Credit-(02157, 04201)

Instruction to personal finance utilizing Dave Ramsey's Foundations in Personal Finance. This is an introductory course designed to teach students the fundamentals of money and finance management. The course includes instruction in saving and investing, credit and debit, financial responsibility and money management, insurance/risk management and income/careers, and the basics of managing bank accounts including an introduction to checking accounts. Instruction in supply and demand, trade balance and economic growth will be included.

Speech 1 Credit-(01151)

An introduction to verbal communication in groups, listening and public speaking. Emphasis will be placed on speaking with delivery issues, speech construction, audience connection and the communication process.

Humanities/Greenhouse -1 credit (04302)

In combination with the Speech class, Effective Teens will be taught. This course will encourage students to become life-long explorers who discover their connectedness to the records of lived experiences outside of their own individual social and cultural context. This course will explore the 7 Habits of Highly Effective Teens, stress management, and goal setting. It will be a combination of interactive discussion, presentations, and hands-on activities to help the students connect with adult choices and manage their emotions.

Careers – 1 credit (20005)

This course will explore the human experience through the work experience and will focus on the link between individual capabilities and the needs of the job market. Includes instruction in the variety and scope of available employment, how to access job information, and self-analysis. Resume and letter writing will be emphasized. The course will assist in developing an understanding and ability to articulate who you are, your opinions and increase your ability to gain employment through computer job applications, cover letters and resumes. It will incorporate many word processing assignments and projects required at this academy. The stringent requirements will force you to change your habits and develop professional behavior to help you succeed for the rest of your life.

Classes can be considered elective if all humanities and speech credits have been earned.

Leadership-Non-Credit

This course examines, from individual, interpersonal, group, and organizational points of view, the type of leadership that is required to create and maintain high levels of performance in organizations. Students will be encouraged to assess their own leadership style and to develop a leadership action plan. Principles of “followership” will also be emphasized.

Service Learning-Non-credit

Provides students with the opportunity to volunteer more than 40 hours of their time, energy and talents to serve a community project or organization. Students use volunteer experiences to learn how to solve problems, make decisions, and communicate effectively.

Dropout Prevention-Non-credit

Study skills, life coping skills, and credit recovery opportunities will be stressed. Core lessons from the National Guard Challenge Curriculum will be taught.