

## ONSLow VIRTUAL ACADEMY

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The Onslow Virtual Academy is an option that is offered to 9–12 graders in Onslow County Schools. Enrollment in the academy is completed through an application, lottery and testing process. Once students are selected, it is expected that they will take **at least** 2 online classes each semester. Students enrolled in the Onslow Virtual Academy may take their online classes on the school campus or at home. Flexibility and individualization is a cornerstone of this program.

### Onslow Virtual Academy Application

All applications for the academy are due by **midnight, April 21, 2017**. For more information, please contact the Onslow Virtual Academy at 910–455–2211 extension 20234, or by email at [vikki.childress@onslow.k12.nc.us](mailto:vikki.childress@onslow.k12.nc.us).

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### Onslow Virtual Academy Application Link:

<https://goo.gl/forms/xbtCKodk2dmVlvYi1>

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### COURSE OFFERINGS

Classes currently offered through the Onslow Virtual Academy are listed below. These courses have been approved through processes determined by both the North Carolina Virtual Public School and the NC Department of Public Instruction.

#### English –

- English I (Regular and Honors)
- English II (Regular and Honors)
- English III (Regular and Honors)
- English IV (Regular, Honors and Advanced Placement) – seniors enrolled in the academy have the option of completing the graduation project online or at their face to face school

#### Math –

- NC Math I
- NC Math II (Regular and Honors)
- NC Math III (Regular and Honors)
- Pre-Calculus
- Advanced Placement Calculus AB

#### Science –

- Earth and Environmental Science (Regular and Honors)
- Physical Science (Regular and Honors)
- Biology (Regular, Honors and Advanced Placement)
- Chemistry (Regular, Honors and Advanced Placement)
- Forensic Science

#### Social Studies –

- World History (Regular and Honors)
- American History I (Regular and Honors)
- American History II (Regular and Honors)
- Advanced Placement US History
- American History: Founding Principles and Civics & Economics
- Psychology (Regular and Honors)
- Sociology (Regular and Honors)

#### Foreign Language –

- Spanish I, Spanish II, Spanish III and AP Spanish
- French I, French II and AP French
- German I and German II (Depending on teacher availability)

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### CTE –

- Career Management
- Principles of Business, Marketing and Finance
- Entrepreneurship I
- Health Sciences I
- Health Sciences II

### Electives –

- Digital Photography I and II
- Health and PE
- Forensic Science
- Psychology
- Sociology
- Music Appreciation
- Academic Success

The following courses have been submitted for approval by the North Carolina Virtual Public School:

- ACT Prep
- Advanced Functions and Modeling
- Great Minds in Science
- Introduction to Anthropology
- Introduction to Archaeology
- Introduction to Astronomy
- Introduction to Criminology
- Law and Order
- Native American History
- Personal Finance
- Principles of Hospitality and Tourism
- Principles of Human Services
- Social Problems: A World in Crisis
- SREB Math
- Visual Art

### COURSE DESCRIPTIONS:

#### Academic Success –

As in other areas of life, success in academia results from learning and practicing positive habits. This one-semester elective provides practical, hands-on guidance on developing and improving study habits and skills, regardless of a student's level of accomplishment. Academic Success includes five lessons and two course activities in a flexible structure that is adaptable to the needs and circumstances of individual students. The course can also be used for college-level developmental education.

#### Introduction to Anthropology – *This is a 2-part class for 1 credit*

**Part 1 – Uncovering Human Mysteries** – Anthropology uses a broad approach to give students an understanding of our past, present, and future, and also addresses the problems humans face in biological, social, and cultural life. This course explores the evolution, similarity, and diversity of humankind through time. It looks at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys are just one of the powerful learning tools utilized in this course.

**Part 2 – More Human Mysteries Uncovered** – This course continues the study of global cultures and the ways that humans have made sense of their world. It examines ways that cultures have understood and given meaning to different stages of life and death. The course also examines the creation of art within cultures and how cultures evolve and change over time. Finally, students apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

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### **Introduction to Archeology** – *This is a 2-part class for 1 credit*

**Part 1 – Introduction to Archeology** – Introduction to Archaeology is a one-semester course with 14 lessons that discuss the work and techniques involved in archaeology, and the prospects of an archaeologist. This course covers subject areas such as: history of modern archaeology, discoveries in archaeology, careers in archaeology, research techniques, evidence, site excavation, and many more.

**Part 2 – Detectives of the Past** – The field of archaeology helps us better understand the events and societies of the past that have helped to shape the modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students learn about the relationship of material items to culture and what we can learn about past societies from these items.

### **Introduction to Astronomy** – *This is a 2-part class for 1 credit*

**Part 1 – Introduction to Astronomy** – Covers a wide range of topics, such as the solar system, planets, stars, asteroids, comets, galaxies, space exploration, and theories of cosmology.

**Part 2 – Exploring the Universe:** Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.

### **Digital Photography I** – *This is a 2-part class for 1 credit*

**Part 1** – Focus is on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students use basic techniques of composition and camera functions to build a personal portfolio of images, capturing people, landscapes, close-ups, and action photographs.

**Part 2** – In this course, we examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas in which professional photographers may choose to specialize, such as wedding photography and product photography. Students also learn about some of the most respected professional photographers in history and how to critique photographs in order to better understand what creates an eye-catching photograph.

### **Digital Photography II** –

Few recent technical innovations have changed an industry as fundamentally as digital photography has changed everything about the way we capture our lives in the way we take, edit, store, and share pictures. Digital Photography provides you with the flexibility to not only use it as an independent individual course or as a group or class course, but to also easily customize the course to the unique needs of your situation. The course combines 15 lessons with online discussions that promote the development of critical thinking skills as your students explore digital photography as an enriching activity or a career

### **Introduction to Criminology** – *This is a 2-part class for 1 credit*

**Part 1 – Introduction to Criminology** is a course with 14 lessons that cover the theories related to criminology. The target audience for this course is high school students. This course covers subject areas such as: classical theory, positivist theory, punishing offenders, routine activity theory, labeling theory, social disorganization theory, peacemaking criminology, and many more.

**Part 2 Criminology – Inside the Criminal Mind** – Crime and deviant behavior rank at or near the top of many people's concerns. This course looks at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their crimes. Why do some individuals commit crimes and others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors shape the criminal case process?

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### **Forensic Science** – *This is a 2-part class for 1 credit*

**Part 1 – Secrets of the Dead** – In this unit, students are introduced to forensic science. We discuss what forensic science consists of and how the field developed through history. Topics covered include some of the responsibilities of forensic scientists and about some of the specialty areas that forensic scientists may work in. Objective and critical thinking questions are combined with lab activities to introduce students to analyzing the crime scene, a wide variety of physical evidence such as firearm and explosion evidence, and DNA evidence.

**Part 2 – More Secrets of the Dead** – Although the crime scene is the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within the lab. It examines some of the basic scientific principles and knowledge that guide forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology,, mineralogy, and spectroscopy will be examined.

### **Law and Order: Explore the legal System and Careers in Criminal Justice** *This is a 2-part class for 1 credit*

**Part 1 – Careers** – The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.

**Part 2 – Law and Order** – From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society.

### **Great Minds in Science** – *This is a 2-part class for 1 credit*

**Part 1 – Great Minds in Science** – Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.

**Part 2 – Revolutionary Ideas in Science** is a course with 15 lessons that cover the discoveries and inventions in science from pre-historic to present times. This course covers subject areas such as: prehistoric science, technology, ancient and medieval science, the scientific revolution, thermodynamics and electricity, and many more.

### **Native American History** *This is a 2-part class for 1 credit*

**Part 1 – Historical Perspectives** – By providing historical perspectives, this course provides a comprehensive understanding of the roots of Native American culture. The topics addressed include an exploration of the Native American history in the arctic and subarctic, various regions of the U.S., and the development of Native American life.

**Part 2 – Contemporary Perspectives** – This course complements Native American Studies: Historical Perspectives. It explores Native American worldviews, art, media perspectives on Native Americans, and contemporary perspectives and organizations. It concludes by providing a global perspective by examining issues face by indigenous peoples throughout the world.

### **Principles of Hospitality and Tourism** –

The hospitality and tourism industry offers a dynamic career path that will pique the interest of many of your students. This course emphasizes learning the practical aspects of the industry and the development of critical-thinking skills that lead to real-world solutions. This 14-lesson course will introduce your students to an exciting industry and will help them evaluate and prepare for a career in this growing and exciting industry.

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### **Principles of Human Service –**

This course is designed to enable all students at the high school level to develop the critical skills and knowledge necessary in the human services industry. Students will learn about various personal characteristics that they need to demonstrate in the workplace, such as integrity, and positive work ethics. This course covers topics such as employability skills, counseling and mental health services, and consumer services. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the human services field.

### **Psychology –**

This course gives students an overview of the history of psychology while also giving them the resources to explore career opportunities in the field. Students will learn how psychologists develop and validate theories and will examine how hereditary, social, and cultural factors help form an individual's behavior and attitudes. Students will also evaluate the effectiveness of different types of psychological counseling and therapy. Highly interactive content includes online discussions that help develop critical thinking skills.

### **Sociology – *This is a 2-part class for 1 credit***

**Part 1** – In this course, students will explore the evolution of sociology as a distinct discipline while learning about sociological concepts and processes. They will learn how the individual relates to and impacts society. Students will also learn about the influence of culture, social structure, socialization, and social change on themselves and others. The course combines a variety of content types, including lessons, activities, discussions, and games to engage learners as they discover sociology as a subject and as a career.

**Part 2** – Because the specifics of social issues change rapidly, this course is designed to have students discover contemporary and relevant perspectives on issues that may have been around for centuries. Students engage in significant research and each lesson ends with an essay assignment that encourages students to express their opinions. Topics include media, government, civil liberties, poverty, terrorism, crime, the environment, and many more.

### **Social Problems: A World in Crisis: – *This is a 2-part class for 1 credit***

**Part 1 – Social Problems** – This course introduces students to the topic of social problems. The initial unit helps students develop an understanding of social problems, some of the characteristics common to many of them, and how those problems evolve. Social Problems 1 makes use of labs, discussions, and other learning modalities to maximize effective learning. The course looks closely at the problem of poverty and its root causes, as well as problems in education. It also examines the problem of crime, what has historically succeeded and failed in addressing it, and how to move society forward in effectively mitigating the problem.

**Part 2 – Crisis, Conflicts and Challenges** – Building on the mastery of basics students acquire in Social Problems 1, this course explores issues such as globalization, alcohol and drug abuse, gangs and cults, and the ever-present and growing issue of personal privacy and its related complexities. It also addresses issues of nutrition and health, and their impact on society's wellbeing. Discussion questions encourage the development of critical thinking skills, and better equips students for college and career by helping them better understand the issues affecting themselves and their world.