

# Elective Course Description

## Required Units to Receive a College Preparatory Diploma

<u>Subject</u>	<u>Carnegie Units</u>
Bible	4
English	4
Social Studies (Geography, World History, US History, Government)	4
Math (Algebra I, Geometry, Algebra II, Trigonometry, Algebra III, College Math)	4
Science (Physical Science, Biology, Chemistry, Anatomy & Physiology, Physics)	4
Foreign Language (Spanish I, II, III, IV)	*2 or 3
Computer	* 1
Health/PE	1
Electives	<u>3</u>
	27

**\*To fulfill the Foreign Language/Computer requirement your child will need either 3 units of Spanish I, II, III or 2 units of Spanish I, II + one Computer elective.**

**Computer Applications I** – This course expands upon computer application skills that were introduced in middle school level courses. Computer hardware and networking is introduced. More advanced concepts are included as the focus of curriculum shifts from learning applications to applying applications in creative ways. Microsoft Office products are the primary applications utilized, but other multi-media applications are introduced. Publication and presentation skills are emphasized with the inclusion of video production.

**Required Prerequisite: Keyboarding**

**Computer Applications II** – This course is wide in scope and develops advanced computer application skills. Students will utilize a variety of applications to plan, start up, market and operate a business they create. Other technology related topics will be explored as well. Microsoft Office products, video production, digital image editing and other applications will be utilized. Curriculum shifts toward activities that are student created instead of entirely teacher lead. Individual and team work is required.

**Recommended Prerequisite: Computer Technology I**

### **Digital Media and Computing in the Modern World**

This two part class focuses on key aspects of modern day computing. This class is developed to be practical for the student. Knowledge gained from the coursework will be transferable to everyday life, higher education and future careers.

The first semester will focus on digital media. This includes digital photography, digital video, media editing, podcasting, print design and layout and website design. Students will be introduced to various software used for graphics and video editing and will use these software packages to produce their own media content. The second semester will focus on a broad range of technology topics. Students will be introduced to computer design (hardware and software), wireless and wired networks, web design and computing history. This section is designed to prepare students to use technology in their everyday life. This section will also explore technology careers and day-to-day uses of technology.

The coursework required for this class will be a combination of projects and tests. It is important for each student to take initiative to show interest in the subjects being taught. Much of the content covered in the class is hands on and based on the real world application of technology. This class provides a great opportunity for students to vastly expand their knowledge on a variety of technology topics. This class is offered to upcoming Seniors.

**Academic Writing** – This is a one semester course designed for students who want to improve their writing skills and expand their academic vocabulary. It will help them understand the basic writing process and make them aware of the elements which contribute to good academic writing. They will learn how to organize their essays and research papers, acknowledge sources, write creatively, and prepare for the writing portion of the SAT. Combined with SAT Prep for a full year course. This course is offered to upcoming Juniors.

**SAT Prep** - This is a one semester course which allows students to enforce study skills learned in other classes. The course focuses on vocabulary commonly found on the SAT. Students learn specific study skills needed to be successful on standardized tests. Practice SAT reading worksheets and math worksheets are given weekly. Basic Algebra is needed to solve most math problems. Trigonometry, Geometry, and Algebra II are also used with some of the math worksheets. No specific math course is required to enter SAT Prep. Combined with Academic Writing for a full year course. This course is offered to upcoming Juniors.

**Speech/Communications** - This course will concentrate on developing public speaking skills, listening skills, and media evaluation. The students will identify effective methods for arranging ideas and information into written (outline) form and then converting the outline form into an effective oral delivery. The course focuses on organizing ideas, researching counter viewpoints, and communicating appropriately for various audiences and purposes. The students will evaluate current culture through media and communication in our world today. We will also focus on the history of the mass mediums of television, magazines, newspapers, and the internet.

**Anatomy and Physiology** – This course is the study of the human body using a system approach. Laboratories focus on biochemistry and dissection.

**Prerequisite: Biology and Chemistry**

**Georgia Virtual School: Physics** – This course explores physics concepts using laboratory activities, videos, software, and web sites. The purpose of this course is to provide opportunities to study the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications to the real world through exploratory investigations and activities. This course, using mainly virtual laboratory investigations, will focus on unifying concepts and processes of science; habits of the mind, energy, thermodynamics, conservation of energy, momentum, kinematics and force and motion.

**Georgia Virtual School: Psychology** - This course introduces students to basic psychological concepts and principles as well as the rules, laws and theories of psychology. Topics of the study include: determiners of personality (heredity and environment), theories of the development of intelligence, and testing characteristics of basic needs. A study of self-concept (theories of development) is also included. With this knowledge of themselves and others, students should be able to make informed decisions which are impacted by changing environments and situations.