# 2017-2018 Senior Computer Education Electives

Students have the opportunity to take a computer elective during their senior year. This year, **three different electives** will be offered. Each course is a half-credit course offered every other day. The three courses will be **Computer Science**, **Advanced Computer Applications**, and **Digital Media.**

### 1) Computer Science

The Computer Science elective will provide an understanding of computer operating systems, hardware (functions, troubleshooting, and maintenance), and the basic background knowledge of coding and computer programing. Students will learn the computer language Python and will work on individual programming projects throughout the year. Other programing languages may be introduced later in the year as time and coursework allow.

*This course is recommended for students serious about studying computer science, computer engineering, information technology, and computer programing. Prior knowledge and experience with computer programing languages is preferred, but not required.*

### 2) Advanced Computer Applications

The Advanced Computer Applications course will provide a general overview of technology and computer applications including their advanced uses in academic and professional environments. Students will work with both a PC and their iPad throughout the year on projects, focusing on maximizing their proficiency in the Microsoft Office Suite and Google Apps. Students will also learn how to take advantage of everyday technology in order to succeed in college and future careers.

*This course is recommended for students who would like to grow in proficiency and experience using common applications in everyday use.*

### 3) Digital Media

The Digital Media elective will provide an understanding in digital media applications. Students will use the Adobe Creative Suite of products, including Adobe Photoshop, Adobe Illustrator, and Adobe InDesign. Students will develop creative media skills in these applications in order to create digital and print media. Students will also work with basic web design and development, including basic HTML and CSS languages. Work will be project-based throughout the year.

*This course is recommended for students serious about basic digital design, web design, print production, digital layouts, graphic development, and social media marketing.*

Students interested in either elective should submit this form to Mr. Conrade's office by

# Friday, April 28, 2017.

**Name:** _____     **Homeroom:** _____

_____ I would like to sign up for the **Computer Science** elective.

_____ I would like to sign up for the **Advanced Computer Applications** elective.

_____ I would like to sign up for the **Digital Media elective.**