

JMJ

Advanced Computer Applications

2016-2017

In this elective course, students will be taken through a basic understanding of computer hardware and software, emphasizing differences between desktop and mobile devices. Experience in networking, operating systems, and practical applications will be gained through hands-on, project-based learning.

Social Media, Digital Citizenship, and Technical Support

Students will read and discuss differing viewpoints and approaches to the correct use of social media/internet etiquette and craft a position regarding a positive approach to digital citizenship in the twenty-first century. Students will also be posed with typical technical support requests and learn how to respond to common tech issues.

Graphic Design for Print and Web Distribution

Students will learn advanced techniques in Adobe Photoshop and InDesign to manipulate images and create content for multimedia consumption. Work will include websites, offset press preparation, and ePub construction.

Web Development and Programming

Students will learn practical HTML and CSS coding with an emphasis on creating dynamic web content. Codecademy.com curriculum will be used to reinforce these programming languages.

Students will also learn the programming language Python as a means of developing original applications and gaming scenarios.

Raspberry Pi

Students will apply their knowledge gained throughout the course to the single-board Raspberry Pi computer. Students will take the Pi through unboxing, installing the OS, basic shell commands, and programming to create unique, practical applications for computing.

Interested students should return this form to Mr. Conrade's office by April 29, 2016.

Name _____ HR _____
_____ I would like to enroll in the Advanced Computer Applications course for the 2016-2017 school year.