

Choice Institute at Ruckel Middle School

9009350/60 Exploring IT Careers/STEM - (FSA Math Level Five) The STEM elective is designed for the self-motivated student that enjoys building, experimenting, designing, and working with their hands. Eighth grade students will learn about programming with Sphero and the NAO robot, money management, water management, forces, chemical reactions, chemical math, electronics, soldering, dragster racing, flight technology, heat and energy, kites, mousetrap cars, scale drawings, balsa gliders and boomilevers.

9009350/60 Exploring IT Careers/STEM – (FSA Level 5 Math) This elective is designed for the self-motivated student that enjoys building, experimenting, designing, and working with their hands. Seventh grade students will learn about programming NXT robots, coding with Sphero, aquaculture, electricity, green alternatives, forensic science, environment issues, mill work, rocketry CADD, package design, model airplanes, toothpick bridges, basic economics, parachutes, and basic computing skills.

8600010 Introduction to Technology/STEM - (FSA Level 5 Math) This elective is designed for the self-motivated student that enjoys building, experimenting, designing, and working with their hands. Sixth grade students will learn about coding, basic circuitry, alternative energy, drafting, rocket science, computer animation, plumbing, proper tool use, truss design, hot air balloons, topography, online skills and speed.

8207310 A/B Digital Information Technology- This is a rigorous course in which students earn high school credit as they become proficient in keyboarding and the Microsoft Office Applications (Word, Excel, Power Point) Students may earn industrial certifications by successfully passing the Microsoft certification exams. This is the first course recommended for students taking courses that are part of the award winning CHOICE Technology Institute at Niceville High School. This course meets online graduation requirement.

9001110 A/B Foundations of Web Design- Students will use HTML and CSS to create websites and publish them on the internet for the world to see! They will learn how to edit images and create their own logos and animations using Adobe Fireworks. Students will learn the CIW Site Development Associate Curriculum, and will have the opportunity to gain a Web Development Certification which counts as college credit at all Florida Colleges and Universities. The students will have the opportunity to earn industry certifications in CIW. This is a weighted high school credit course and part of the award winning CHOICE Technology Institute at Niceville High School. This course meets online graduation requirement.

<http://choice-institutes.com>