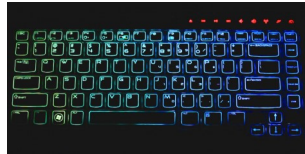


# Computer Solutions



Computer Solutions uses project based learning to teach practical computer skills that can be applied to all courses across the curriculum. Instruction

includes units in proper keyboarding technique, computer components, operating systems, databases, word processing, and computer ethics. This course extends student expertise in the 16 Career Clusters and develops an understanding of career pathways with an emphasis on career and college readiness.

As a result of taking this course, students will quickly see a positive change in their ability to use the computer to enhance school projects and will become better able to clearly communicate their ideas through reports, charts, and visual presentations. Basic touch keyboarding instruction is provided in the course as well as a foundational knowledge of Microsoft Office and Google Docs.

# Coding and Innovative Technologies

Open to seventh and eighth grade students who have taken Computer Solutions, Coding and Innovative Technologies introduces students to coding and emerging technology through hands-on projects.

Students gain an understanding of how digital input devices work, their benefit in the workplace and at home, and the confidence to learn new technological skills.

Coding and Innovative Technologies will also introduce students to the opportunity of studying the basics of Python, Java and HTML that will allow for the preparation and editing of Web pages.



# Coding and Innovative Technologies 2

For seventh and eighth grade students who have previously taken the Coding and Innovative Technologies class, Coding and Innovative Technologies level 2 builds on the foundation knowledge gained and allows students to further develop their coding skills through hands-on projects.

Students will learn more advanced coding concepts through a variety of apps and interactive web sites. In addition, students will actively use technology to complete small group or individual projects. Students become confident in their ability to program and are prepared to use tools that are becoming standard in the workplace and in everyday life.



**“Education is not the filling of a pail, but the lighting of a fire.”**

**~ William Butler Yates**



# STEM Solutions

# Business and Information Technology Pathway

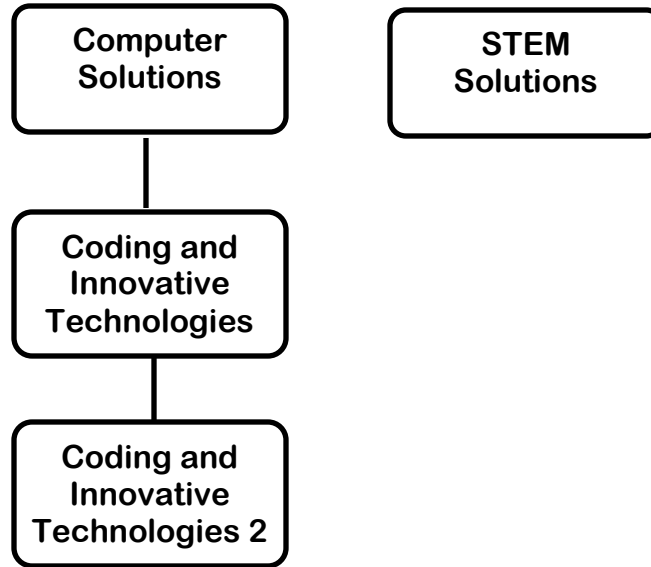
## BUSINESS INFORMATION AND TECHNOLOGY COURSE OFFERINGS

Computer Solutions  
Coding and Innovative Technologies  
Coding and Innovative Technologies 2  
Stem Solutions

Open to seventh and eighth grade students, Stem Solutions explains how technological systems function and understand the reasons to effectively document and support their findings. By simulating systems and assessing their impacts, students gain insight into how to approach the problems and opportunities of a technological world.



By focusing on the following 21st century workplace readiness skills for problem solving, any data recorded through real world design challenges will be graphically analyzed and presented using the appropriate technology tools. Students will apply the engineering design process to areas of the designed world, explore ethics in a technological world, and examine systems in (STEM) Science Technology Engineering and Mathematics.



**“Information technology and business are becoming inextricably interwoven. I don’t think anybody can talk meaningfully about one without talking about the other.”**

~ Bill Gates

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# Rocky Run Middle School

# 2020-2021