

Grade 8 Tech Ed Competency Statements

Competency #1: <u>Programming Skills</u>: Students will effectively and accurately develop programs to control the functions of virtual or physical technology to complete a challenge.
Performance Indicators
I can identify and manipulate multimedia in various programming environments.
I can modify, edit, and transfer multimedia in various programming environments.

Competency #2: <u>Systems Approach</u>: In creating a solution to a specified design challenge, students will engage in the systems approach to design, identifying and applying modifications that enhance performance.
Performance Indicators
I can compose, modify, edit, and transfer various forms of digital media using the systems thinking approach.
I can identify challenges, brainstorm solutions, and apply specific methods and knowledge for multiple disciplines to effectively solve problems.
I can understand basic mechanical components, safety processes, and measurement.

Competency #3: <u>Technical Skills</u>: Students will demonstrate effective technical research, writing, and communication skills with/as team members throughout the design process.
Performance Indicators
I can compose media to communicate a message.
I can engage in the feedback process to improve design/composition to communicate a message.