

# *Technology Core Essentials*

## *8<sup>TH</sup> Grade*

### *Creativity and Innovation*

- ✓ Describe and illustrate a content-related concept or process using a model, simulation, or concept-mapping software.
- ✓ Create original animations or videos documenting school, community or local events.
- ✓ Gather data, examine patterns, and apply information for decision making using digital tools and resources.
- ✓ Integrate a variety of file types to create and illustrate a document or presentation.

### *Communication and Collaboration*

- ✓ Describe and illustrate a content-related concept or process using a model, simulation, or concept-mapping software.
- ✓ Create original animations or videos documenting school, community, or local events.
- ✓ Participate in a cooperative learning project in an online community.

### *Research and Information Fluency*

- ✓ Evaluate digital resources to determine the credibility of the author and publisher and the timeliness and accuracy of the content.
- ✓ Employ data-collection technology such as robes, handheld devices, and geographic mapping systems to gather, view, analyze and report results for content-related problems.
- ✓ Select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems.
- ✓ Demonstrate legal and ethical behaviors when using information and technology by properly selecting, acquiring, and citing resources.

## *Critical Thinking, Problem Solving, and Decision Making*

- ✓ Gather data, examine patterns, and apply information for decision making using digital tools and resources.
- ✓ Employ data-collection technology such as probes, handheld devices and geographic mapping systems to gather, view, analyze and report results for content-related problems.
- ✓ Select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems.
- ✓ Independently develop and apply strategies for identifying and solving routine hardware and software problems.

## *Digital Citizenship*

- ✓ Demonstrate legal and ethical behaviors when using information and technology by properly selecting, acquiring, and citing resources.

## *Technology Operations and Concepts*

- ✓ Create original animations or videos documenting school, community, or local events.
- ✓ Employ data-collection technology such as probes, handheld devices, and geographic mapping systems to gather, view, analyze, and report results for content-related problems.
- ✓ Select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems.
- ✓ Integrate a variety of files type to create and illustrate a document or presentation.
- ✓ Independently develop and apply strategies for identifying and solving routine hardware and software problems.