

Objective

By the end of this lesson, the student will have explored the connections between technology and various subjects such as art, language, history, math, music, physical education, science, and social studies. The student will create a mini-project that showcases their understanding of how technology influences each subject area.

Materials and Prep

- Paper and colored pencils or markers
- Access to a computer or tablet (for research and digital creation)
- Notebook for jotting down ideas
- Timer (for managing activity durations)
- Internet access (to explore technology-related topics)

Before the lesson, ensure that the student understands basic technology concepts like computers, the internet, and digital tools. Prepare a list of interesting technology topics that relate to each subject area.

Activities

• Art: Create a Tech-Inspired Artwork

The student will design a piece of artwork that represents technology's impact on one of their favorite subjects. They can use colored pencils or markers to illustrate their ideas.

• English: Write a Short Story

The student will write a short story that includes a technological gadget as a key element. They can think about how this gadget helps or hinders the characters in their story.

• History: Explore a Tech Invention

The student will research a significant technological invention (like the telephone or the internet) and create a timeline of its development, highlighting key milestones.

• Math: Technology in Numbers

The student will create a simple math problem related to technology, such as calculating the number of downloads an app gets per day, and solve it.

• Music: Tech Tunes

The student will explore how technology has changed music, such as digital recording. They can create a simple song using a digital tool or write lyrics about technology.

• Physical Education: Tech and Fitness

The student will research how technology can help with fitness, like fitness apps or wearable devices, and create a plan for a week of tech-assisted workouts.

- **Science: Tech in Experiments**

The student will think of a science experiment that uses technology (like a simple coding project) and outline the steps they would take to conduct it.

- **Social Studies: Global Tech Impact**

The student will investigate how technology affects different cultures around the world and create a poster that shows their findings.

Talking Points

- "What are some technologies you use every day? How do they help you?"
- "Can you think of a time when technology made a task easier for you?"
- "How do you think art and technology can work together? Can you give an example?"
- "Why is it important to learn about the history of technology?"
- "How can we use math to understand technology better?"
- "What role does technology play in making music today?"
- "How can technology help us stay active and healthy?"
- "What are some scientific discoveries that were made possible by technology?"
- "How does technology connect us to people around the world?"