

Unit:Science-5.5

Content Area: **Science**
Course(s):
Time Period: **Trimester 1**
Length: **Ongoing**
Status: **Published**

Brief Summary of Unit

Students will explore various technology tools and how they can help them learn.

In this course, students are provided with opportunities to develop skills that pertain to a variety of careers. When completing this course, students can make informed choices and pursue electives that further their study and contribute toward the formation of career interest.

Standards

The standards in this unit reflect a developmental progression across grades/ levels and make interdisciplinary connections across content areas including social sciences, technology, career readiness, cultural awareness and global citizenship.

MA.K-12.1: Make sense of problems and persevere in solving them.

MA.K-12.5: Use appropriate tools strategically.

LA.RST.6-8.3: Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.

SCI.PK.5.5

Children gain experience in using technology.

SCI.PK.5.5.1

Identify and use basic tools and technology to extend exploration in conjunction with science investigations (e.g., writing, drawing, and painting utensils, scissors, staplers, magnifiers, balance scales, ramps, pulleys, hammers, screwdrivers, sieves, tubing, binoculars, whisks, measuring cups, appropriate computer software and website information, video and audio recordings, digital cameras, tape recorders).

Transfer

Essential Questions

- How can technology help me learn?
- What types of technology do I have around me?

Essential Understandings

- Technology is a tool that can be used for learning

Students Will Know

- How to explore and use various technology tools
- The various forms of technology that can be used

Students Will Be Skilled At

- Navigating between applications and using educational applications on an iPad
- Participating in SMARTBoard activities

Evidence/Performance Tasks

This course is designed to promote skill attainment. Student progression and pace through which they proceed through the performance tasks is based on their affinity for and ability to reach skill attainment. The teacher will determine formative and summative skill attainment; alternative assessments will be incorporated for each student based on their strengths and challenges.

- Children will come to SMARTBoard and use finger or marker to participate in learning activities
- Children will use iPad to explore designated learning applications

Learning Plan

- Allow students to use their fingers or marker to answer questions, trace, etc. on the board
- Demonstrate how to use SMARTBoard
- Introduce iPads and model how to use appropriate apps
- Provide students plenty of opportunities to use technology in the classroom

Materials

The materials used in this course allow for integration of a variety of instructional, supplemental, and intervention materials that support student learners at all levels in the school and home environments. In addition to the materials below, the link connects to district approved textbooks and resources utilized in this course: [CORE BOOK LIST](#)

- iPads
- SMARTBoard

Suggested Strategies for Modifications

This link includes content specific accommodations and modifications for all populations:

https://docs.google.com/spreadsheets/d/1vp4_sVkiJIcevefjdpDEpUQYy5Jja39vzPvk-fFJrjE/edit

- Allow for extra time and practice
- Incorporate multi-sensory strategies
- Provide 1:1 time and assistance
- Repeat directions and provide multiple examples
- Use visuals