

Department: Technology

Course Name: Second Grade Technology

Course Description: The second-grade technology curriculum reinforces understanding of internet safety and aims to increase students' keyboarding and word processing skills with continued use of online keyboarding resources. Students practice problem solving through coding, including sequencing, debugging and looping skills. Design projects become more complex and allow for individual expression and development of presentation skills. Online research skills are introduced and practiced. Digital citizenship lessons focus on online safety and courtesy.

Content:

Computer care and usage

Basic operations

Proper computer terminology for components and actions

Keyboarding practice

Creation projects

Website navigation

Search engines

Digital citizenship and Online Safety

Coding with debugging, looping, etc.

Robotics

3D printing

Digital photography

Online research

Skills:

Act responsibly by demonstrating proper usage and care of iPads

Develop motor skills through keyboarding

Create and illustrate using a variety of programs that foster creativity and enhance listening skills

Open and close programs and internet links

Open and save files

Navigate developmentally appropriate websites

Demonstrate understanding of digital citizenship

Explore and create while developing digital literacy and problem-solving skills

Develop problem solving, sequencing, and cooperative skills through coding

Targeted searching using safety features

Signing into appropriate programs

Text and Materials:

Individual headsets

Online libraries

KidPix

BrainpopJr.

Seesaw

Nearpod

Common Sense Media

Typing Club

Code.org

“Dot” Robots and Blockly

Greenscreen
iPad camera
BookCreator
PicCollage
Tinkercad with Makerbot 3D printer

Methods of Instruction:

iPad activities
Web-based activities
Online videos and website presentations
Class discussion
Computer generated projects

Methods of Evaluation:

Class participation
Class work
Class projects

