

**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

