

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

