MBUSD 2nd Grade Technology Standards Implementation Guide
January, 2019

Technology Standard	Subtopic	What the Students Will Do	Apps and Resources
Creativity and Innovation: Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.	Digital Books	With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers. (CCSS W6)	Creative Book Builder, Shadow Puppet Edu, My Story, Educreations, ShowMe, Popplet Lite, Keynote, GAFE, Digital Publishing: Creating Books on the iPad, Puppet Pals
	Digital Art	Create a digital image and add it to another application to show knowledge about a concept	Doodle Buddy, Doodle Buddy Back to School School Maps, Popplet Lite, Google Docs, Pic Collage
	Photo, Video & Audio Editing	Read accurately and fluently using digital tools to support comprehension (CCSS RF4) Create audio recordings of stories or poems, add drawings or other visual displays. (CCSS SL5) Collaboratively create a themed video on a topic using student created audio, video, and photo images.	Camera, iMovie, Story Kit, Shadow Puppet, Voice Recorder, Educreations, ChatterPix Kids, ChatterPix, Kids Post, Sock Puppet, Adobe Voice, Telestory, Show Me, Balloon Stickies, Stop Motion Movie
	Publishing	Create a digital document to publish a writing project, adding images and text features to enhance the text (CCSS W4.2.2)	Keynote, Pages, Creative Book Builder, Telestory, Notability, GAFE
Communication and Collaboration: Students use digital media to communicate and work collaboratively, supporting individual learning and contributing to the learning of others.	Presentation Tools	Create a presentation to share content and knowledge. Examples: Ancestor Reports	Keynote, Popplet Lite, Popplet Lite Post, Padlet, Padlet Sample, FlipGrid, FlipGrid Tutorials, FlipGrid Integration
Research and Information Fluency: Students apply digital tools to gather, evaluate, and use information.	Digital Research Skills	Use websites, databases, digital images, videos, and eBooks to research topics of interest Consult digital reference materials to find meanings of key phrases and words Obtain and combine information from books and other reliable media to explain phenomena (NGSS 2-ESS1-1)	Dictionary, Thesaurus, YouTube, BrainPop, News-O-Matic, World Book Online, Scholastic News
	Evaluate Internet Resources	Complete Common Sense Media lessons on safe and effective internet searching and utilize internet search criteria when researching	Media *Digital Literacy & Citizenship* iBook--Unit 2, Using Keywords, Sites I Like iBook TE (teacher edition)

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	Content Specific Technology Skills	Use Virtual Manipulatives to solve math problems	Houghton-Mifflin Player, Schoolkit, Virtual Manipulatives App (ABCYA.com)
	Data Analysis	Analyze and interpret data from maps to describe patterns of Earth's features (NGSS 2-ESS1-1) - **Create graph**	http://nces.ed.gov/nceskids/createagraph/
Critical Thinking, Problem Solving, and Decision Making: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	Organizational Tools	Organize ideas for an information report using a mind mapping Web or iPad application	Popplet Lesson Plan
	Design Cycle & Project Management	When presented with a Project Based Learning/Genius Hour activity:, identify a problem or idea, brainstorming solutions or processes, present solution or information	Google Earth, Scratch Jr., Popplet, Mindomo, iMovie Makerspace
	Coding & Robotics	Create a product using a coding platform Develop a simple robot or use code to command a robot	Scratch Jr, Kodable, LightBot Jr., Blockly, Dash and Dot, Daisy the Dinosaur
Digital Citizenship: Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	Personal Security Online & Digital Rights and Responsibilities	• Understand the functions of passwords. • Identify strategies for creating and protecting secure passwords. • Create their own secure passwords using the lesson guidelines.	*Common Sense Media Digital Literacy & Citizenship*: Powerful Passwords
	Personal Security Online & Digital Rights and Responsibilities	• Understand the function of keywords and keyword searches. • Learn a step-by-step procedure for selecting suitable keywords. • apply their chosen keywords to find the information they are looking for on the Internet.	*Common Sense Media Digital Literacy & Citizenship*: Using Keywords
	Copyright and Fair Use & Ethical Use Policy	• understand how to show respect in social situations. • recognize the importance of tone in both face-to-face and online communications. • learn rules for writing clear and respectful emails by editing an email message.	*Common Sense Media Digital Literacy & Citizenship*: Show Respect Online
Technology Operation and Concepts: Students demonstrate a sound understanding of technology concepts, systems, and operations	Diverse Devices, Operating Systems, and Hardware Usage	• Turn on devices such as desktops, laptops, and Chromebook computer. Login to system • Use a mouse and/or trackpad to click on URLs and icons and use the scroll bar • Use icons and menus to open applications and	Programming Lesson Plan Code Studio: Course 1 Stages 12-18

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		documents	
	Navigating in a Virtual Environment	Navigate around and paraphrase information presented in digital media and formats **(CCSS SL 2.2)** Explain and use age-appropriate online tools and resources such as a shared Google Drive.	Chrome, Safari, and Epic, Google Drive Google Drive (Teacher created classroom account), Raz-Kids, Scholastic News, Spaghetti Book Club World Book Online, BrainPop, Jr.
	Internet Usage	Learn to safely and effectively navigate through websites to locate information	Media *Digital Literacy & Citizenship iBook*--Unit 1, Going Places Safely iBook TE, Symbaloo, BrainPop, Jr.
	Keyboarding	- Build typing muscle memory - Show correct body and hand positions - Understand movement of fingers on the keyboard - Master home row keys - Identify location of letters on upper and lower rows of the keyboard - Practice typing common letters, words, and sentences	MBUSD Keyboarding Standards and Activities

Support 2015-2016 Minimal Technology Expectations

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