

Wilson Area School District Planned Course Guide

Title of planned course: Technology

Grade Level: 2

Course Description: Students will continue to apply skills while using iPads, as well as learn the basics of Google Chromebook operations, concepts, application, and online safety.

***Please note:**

- Click on the **blue links** throughout the document to access the suggested templates and links.
- Items in **red** will be completed during library class time by the library teacher. Classroom teachers are not responsible for teaching these skills but are encouraged to reinforce them.

Suggested Sequence: Grade 2

Major focus on Google Docs/Navigation

** The following is a ***suggested sequence*** of skills and activities, which will allow students to meet all of the objectives in the curriculum. As an educator, please do what is best for your students given your grade-level academic curriculum and pacing.**

	Major Themes	Minor Themes/Activities	
September	Expectations	Chromebook Slides	
		iPad Slides	
		WASD Acceptable Use Policy	
	Logging in to Google	Log-in Boot Camp	
	iPad applications	Start, close, and navigate programs/applications as directed	
October	Google Docs	Create, name, and share a new document as directed	
		Typing activities, (name, spelling/vocabulary words, etc.)	
	Google Drive	Locate student and shared files	
	Digital Citizenship	Unit 3 lesson 1 of k-2 Digital Citizenship curriculum	
November	Google Docs	Complete writing assignments in Google (using correct spacing); encourage to change font size and color	
		Weekly Word Processing	Vocabulary Table
	Internet	Navigate a browser (back, forward buttons, and tab) as directed by teacher	
	Digital Citizenship	Unit 3 lesson 2 of k-2 Digital Citizenship curriculum	
December	Google Classroom	Join class; navigate using links provided	
	Digital Citizenship	Unit 3 lesson 3 of k-2 Digital Citizenship curriculum	
January	Digital Citizenship	Unit 3 lesson 4 of k-2 Digital Citizenship curriculum	
February	Google Docs	Complete writing assignments which involve inserting images	
		Weekly Word Processing	Vocabulary Table
		Edit a document with several sentences/paragraphs of text with capitalization and punctuation errors. (*introduce AFTER basic grammar has been taught)	
		Editing Assignment	

March	Google Slides	Teacher-directed Class Google Slides presentation (ex. About me, ABC Book, etc.)
	Research Practices	Use teacher provided links to find answers to content-related questions
	Digital Citizenship	Unit 3 lesson 5 of k-2 Digital Citizenship curriculum
April	Google Apps	Using Apps within Curriculum
May	Coding	Basic exposure to coding via Hour of Code (code.org)

Curriculum Scope & Sequence

Title of planned course: Technology

Grade Level: 2

Unit: Basic Device Operations and Concepts

Essential content/objectives: At end of the unit, students will be able to:

- Use touch screen to open and close out apps
- Efficiently log in to and sign out of Google
- Demonstrate proficiency in pointing, clicking, using mouse, scrolling, maximizing and closing out of programs
- Identify and use parts of a keyboard: letters, numbers, spacebar, enter, backspace, shift, tab, caps lock, arrows
- Print assignments using assigned printer
- Use appropriate sitting position and touch typing
- Navigate through Google Apps: Drive, Docs, Slides, and Classroom
- Demonstrate proper use of technology equipment

Core Activities: Students will complete/participate in the following:

- Chromebook Log-in Boot Camp: practice logging in to Google 10 times on 5-6 different occasions as needed.
- Use iPad apps appropriately as directed by teacher.
- Access Google Drive to locate student files and shared files.
- Typing Activities in Google Docs: first and last name, spelling words, vocabulary words, word wall words, word families, simple sentences, stories, poems. See [Weekly Word Processing](#) website for ideas.
- Join teacher-created Google Classroom. Independently navigate posted hyperlinks.
- Follow teacher directions to click on this, click on that (use of mouse, opening icons, etc.)
- Create, name, and share a new document in Google Docs as directed by teacher.

Instructional Methods:

- Demonstration
- Explicit instruction
- Activities

Assessments:

- Teacher created assessments
- Observations

Curriculum Scope & Sequence

Title of planned course: Technology

Grade Level: 2

Unit: Device Applications

Essential content/objectives: At end of the unit, students will be able to:

- Practice word processing skills during writing activities using the writing processes in Google Docs
 - Use grade level capitalization and basic punctuation (commas, periods)
- Use the following icons on standard toolbar:
 - Review: font size, color
 - Introduce: font formatting (name, bold, italics, underline, highlight); undo, redo, zoom
- Insert images into a document
- Print assignments using assigned printer
- Access and use Google Slides to view sample slide show
- Access and use Google Slides to create a slide
- Use Google Classroom to navigate hyperlinks
- Use apps and software programs appropriate to grade level curriculum
- Use coding to complete a task
- Use second grade level technology vocabulary (see Grade Level Vocabulary Appendix for specific terms)

Core Activities: Students will complete/participate in the following:

- Complete writing assignments using Google Docs, in which students use proper capitalization and punctuation. Explicitly teach students to print completed assignments.
- Typing Activities in Google Docs: first and last name, spelling words, vocabulary words, word wall words, word families, simple sentences, stories, poems.
 - Practice changing the font size, color, formatting, use all caps, etc.
 - For added reinforcement, have students insert images to match word processing.
 - See example [Vocabulary Table](#) and modify as desired
- [Weekly Word Processing](#) assignments which provide an opportunity for typing skills. Insert clipart and graphics to match word processing.
 - Explicitly teach students to insert images from the web OR from a shared Google Drive folder into a writing assignment
- Editing assignment: Prepare a document with several sentences of text with capitalization and punctuation errors. Have students edit this document. See [example assignment](#).
- Use Google Classroom to navigate teacher-assigned hyperlinks.
- Use grade level apps to practice skills
- Share Google Slides presentation with students and teach them how to navigate by using arrows, space bar, enter to get to the next screen.
- Create a Class Google Slides Presentation. Assign each student to complete their own slide related to a teacher-assigned topic (teacher directed)
 - **Google Slides will be taught during library class time with library teacher.**
 - Sample Topic Ideas
 - ABC book (any subject--math, science, etc.)
 - About Me book (each students writes something about themselves)
 - Memory Book

- How-To book
- Cause/Effect book (similar to *If you give a mouse a cookie...*)
- [Example ABC book template](#)
- [Tips on Making Digital Books](#)
- The Hour of Code or other coding activity (simple exposure-- code.org OR iPad apps including Hopscotch, Daisy the Dinosaur, Cargo-Bot)
 - This coding activity is a **basic exposure** to computer programming. Consider incorporating a coding activity around the holidays or at the end of the year.

Instructional Methods:

- Demonstration
- Explicit instruction
- Activities

Assessments:

- Teacher created assessments
- Observations

Curriculum Scope & Sequence

Title of planned course: Technology

Grade Level: 2

Unit: Internet Applications and Safety

Essential content/objectives: At end of the unit, students will be able to:

- Participate in teacher-demonstrated internet applications and searches using approved hyperlinks
- Understand their responsibilities as digital citizens
- Create secure passwords in order to protect their private information and accounts online
- Describe how the Internet connects themselves with others
- Learn appropriate ways to handle spam
- Understand the Acceptable Use Policy and how it is related to copyright issues

Core Activities: Students will complete/participate in the following:

- Teacher explicit demonstration: show internet navigation, where to type addresses and click; how to access search engines.
 - View books, movies, author websites, online games and activities as directed by the teacher.
 - **Some research to be completed during scheduled library class time**
- Cyber citizenship and safety online (by watching videos, participating in activities, lessons); Grade 2 should complete [Unit 3 of K-2 Digital Citizenship curriculum](#) (5 lessons)
 - **Lessons 1-4 to be completed during scheduled library class time; Classroom teacher is responsible for lesson 5**
- FBI Online [safety lessons](#)

Instructional Methods:

- Demonstration
- Video
- Explicit instruction
- Activities

Assessments:

- Teacher created assessments
- Observations

Appendix A:

Technology Related Vocabulary: Grade 2

1. **Bold** – heavy-faced (dark) font
2. **Deselect** – to click off a selected item
3. **Drag** – moving the mouse while holding the button down to move objects on the screen
4. **Files** – data that is stored in the computer
5. **Folder** – holds files
6. **Highlight** – to select, usually by clicking or dragging with the mouse
7. **Internet** – worldwide network of computers
8. **Italics** – a font style with characters that slant upward to the right
9. **Menu** – a list of commands or options to choose from
10. **Printer** – prints information on paper
11. **Select** – to pick or choose

Appendix B:

Technology Links and Resources: Grade 2

*Click on the [blue links](#) to access the templates and links.

Sample Curriculum Assignment Templates

****If you use the provided templates, please click “File”>> “Make a Copy,” to create your own copy in your Drive.**

- [Rules and Expectations for using the iPad Google Slides Presentation](#)
- [Rules and Expectations for using the Chromebook Google Slides Presentation](#)
- [Vocabulary Table](#)
- [Grade 2 Editing](#)
- [ABC Book Template in Google Slides](#)

Grades K-2 Resources

- [Tips for managing logging in to Google Classroom \(k-2\)](#)
- [Google Drive and 2nd Grade](#)
- [Google Apps/Google Classroom with iPads](#)
- [QR Code Cheat Sheet](#)
- [Using QR Codes \(games, access websites, self checking\)](#)
- [Using QR Codes \(games, access websites, self checking\)](#)
 - QR Code task cards, worksheets, or scavenger hunts are awesome! Students can do the assignment and check it on their own without having to wait for you.
- [K-2 Interactive Sites](#)- comprehensive list of interactive games and sites organized by subject, geared for K-2; many require Flash
- [Unite for Literacy](#)- Site with digital books great for the youngest readers to practice reading; books are organized by category/subject; narration available 40 languages
- [Pocket Zoo App](#) - Great app for researching animals
- [ABC Phonics Word Family](#) - app for iPad (free)
- [Sight Words 1 & 2](#) - app for iPad (a lot is free, but requires subscription for full access)
- [Telestory](#) - app for iPad- Students can write, direct, and star in their own TV show---could do a pretend news report or music video; great assessment tool (and fun, too!)
- [FunFonix](#) - Free phonics warehouse of resources and materials that are designed to move quickly through phonics rules (printable worksheets, workbooks, printable and online games)

Sites and Apps for All Grades (by Subject)

- **Technology**
 - [The Chromebook Academy](#)
 - Google Site with a ton of resources (great for typing tutorials, worksheets, among other resources)
 - [K5 Technology Lesson Plans](#)
 - Amazing Resource! Grade level lesson plans, iPad integration, and great **templates/graphic organizers** for **Google-based** projects (slides, sheets, etc.)
 - [Google Apps](#)
 - [Google Docs Scavenger Hunt](#)
 - [Google Slides Scavenger Hunt](#)
 - [Google Slides Cheat Sheet](#)

- [Making Digital Books using Google Slides](#)
- [Google Classroom Tutorials and Blog Posts with Alice Keeler](#)
- [Keyboarding Games](#)
- **Presentation/Instructional Sites/Apps**
 - [Nearpod.com](#) - Interactive PowerPoint type presentations (free to sign up, many free presentations to download, and free to create your own--limited storage under the free subscription)
 - [LearnZillion](#) - videos and lessons plans to provide extra practice or instruction for students in math and language arts; great for flipping the classroom
 - [Edpuzzle](#) - Create Interactive videos; Find/create a video on youtube, crop a video, explain it with your own voice and embed quizzes at any time
 - [Educreations](#) - create video lessons to provide extra practice or instruction for students; students can create as a means of assessment; great for flipping the classroom
 - [Screencastify](#) - (Chrome Extension)-record your entire desktop, an application, current browser tab or just your webcam and add narration; great for flipping the classroom
- **Assessments/Study tools**
 - [Kahoot!](#) - game-based learning and trivia platform perfect for quiz/test reviews
 - [Socrative](#) - great formative assessment or test review site; launch quizzes, space race games, or exit tickets; see responses in real time
 - [Quizizz](#) - another interactive formative assessment too; self-paced quizzes to review, assess, and engage—in class and at home.
 - [Quizlet](#) - Digital vocabulary flash card creator
 - [GoFormative](#) - awesome formative assessment tool; similar in a way to Google Forms, but with so many more capabilities
 - [Padlet](#) - online bulletin board site and app; great for sharing notes with group work. Assign discussion questions, exit tickets, and Do Now activities
- **Cross-curricular**
 - [Interactive Sites for Education](#) - comprehensive list of interactive games and sites organized by subject; TONS of awesome activities and games!
 - Includes math, science, social studies, language arts, music, art, brain teasers, Spanish, typing, and holiday-based activities
 - [MrNussbaum](#) - comprehensive list of interactive games and sites organized by subject; TONS of awesome activities and games
 - [FuelTheBrain.com](#) - collection of printables and interactive games organized by subject; also has teacher articles/guides; students can create their own mini books
 - [ABCya](#) - comprehensive list of interactive games and sites organized by subject
 - [TurtleDiary](#) - games, videos, printables, quizzes, and teaching tools organized by subject
 - [PrimaryGames.com](#) - despite the title, this site has tons of games and lessons for grades pk-6
 - [Boom Learning](#) - self-checking digital task cards (a lot of free sets, but many require purchase (available on Boom or Teachers Pay Teachers); if you use task cards, you have to try Boom!

- [Quia](#)- interactive activities and quizzes for virtually every subject/topic imaginable; many free assignments/activities, but a subscription required for full access; Flash player required
- **Science**
 - [American Museum of Natural History - Kids Ology](#): games, stories, videos, and hands on activities related to and organized by different science topics
 - [Scholastic Study Jams](#): videos, songs, quizzes for every science topic imaginable
 - [Lawrence Hall of Science](#)- well-designed and highly educational science activities and investigations
 - [Explore Live Web Cams](#)- live webcams that show countless animals and habitats; some videos have narration and speaking from experts
 - [Arkive.org](#)- tons of engaging videos, lessons, games, and activities related to animal species and nature
- **Math**
 - [ProdigyGame](#)- video game style math game, involving fantasy, battles, wizards, etc. Curriculum aligned and student approved. Super engaging!
 - [Math Games](#)- fantastic resource for practicing Common Core math skills; organized by topic and grade
 - [Freckle](#)- aka Front Row; assign or have students work through various math concepts, as well as math fact practice
 - [Sumdog](#)- Math & ELA standards aligned adaptive learning for grades K-8; math is free to use, ELA requires subscriptions
 - [Khanacademy](#)-assign standards-aligned practice, videos, and articles.
 - [NCTM Illuminations](#)- lessons and interactive activities, aligned with either NCTM or Common Core Standards; organized by grade level/topic; a lot of the interactive activities are free to use, but many of the lessons require an NCTM membership
 - [Scholastic Study Jams](#): videos, songs, quizzes for countless math topics
- **Language Arts**
 - [ReadWorks](#)- library of nonfiction and literary articles with quizzes; able to print or assign digitally; differentiated levels available
 - [ReadWriteThink](#)- Excellent free resource for all things reading and writing: lesson plans, printables, interactive activities, support
 - [Newsela](#)- assign articles related current events and every subject; differentiated levels available
 - [Freckle](#)- aka Front Row; assign or have students work through comprehension passages, but also word study/vocabulary, and individual skill work
 - [TheStoryStarter](#)- site that generates random story starters to give your students a start to a creative story.
 - [Storybird](#)- site for students to create their own digital storybooks
- **Music and Art**
 - [MetKids](#)
 - [ArtsEdge](#)
 - [Virtuoso](#)- digital keyboard iTunes and Google Play app
 - [TheColor.com](#)- online digital coloring pages

- **Safe Research Sites**
 - <http://www.kidzsearch.com/>
 - <http://quinturakids.com/>
 - <http://kidrex.org/>
 - <http://kidsclick.org/>
 - http://www.squirrelnet.com/search/Google_SafeSearch.asp
- **ESL**
 - [Manythings.org](http://www.manythings.org/)- website designed for people studying ESL; There are quizzes, word games, word puzzles, proverbs, slang expressions, anagrams, a random-sentence generator and other computer assisted language learning activities.
 - [EnglishMediaLab](http://www.englishmedia.com/)-website designed for people studying ESL; There are reading, vocabulary, and grammar lessons, interactive activities, games, puzzles, and pronunciation tips
- **Coding**
 - [Code.org](http://www.code.org/)
 - [Scratch](http://scratch.mit.edu/)
 - [Tynker](http://www.tynker.com/)
 - [Hopscotch](http://www.hopscotch.com/)

Digital Citizenship and Internet Safety

- [Acceptable Use Policy](#)- student-friendly Acceptable Use contract for students to sign at the beginning of the year
- [Common Sense Education: Digital Citizenship](#)
 - Resource for digital citizenship lessons plans, games, assessments, posters, ideas. Free to sign up and use (so many incredible resources!)
- [FBI Safe Online Searching](#) (grades 3-8)
 - Lessons embedded in interactive games
- [Youtube Channel: Planet Nutshell- NetSafe](#)
 - Short videos (2-3 minutes) of various Internet safety concepts and rules, organized by grade level (K-3, 4-6)
- [Youtube Channel: Common Sense Education](#)
 - Digital Citizenship and Media Literacy: Short videos (1-4 minutes) of various Internet safety concepts and rules (geared for older students, but you may find something you want to use)
 - Tech tips and resources for teachers
- [Nearpod.com](#)
 - If you use Nearpod (iPad app or Web), there are a lot of free Digital Citizenship presentations you can use. Just search “Digital Citizenship”
- [Digital Citizenship Poster](#) (upper grades)