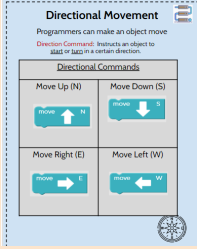
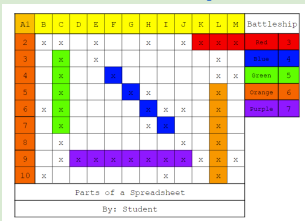
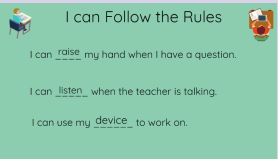


2024-2025 TECHNOLOGY PLUS DIGITAL/LITERACY COMPUTER SCIENCE TK-8 CURRICULUM

TK/Kinder		
LESSON PLAN & SAMPLE LINKS	RESOURCES	LEARNING OBJECTIVES
<u>Showing Kindness</u> 	1.1 TK-K MacBook Introduc... 1.1 TK-K PC/Chromebook I... - Pause & Think Online	Word Processing → Identify and describe mouse and/or trackpad usage. → Describe basic ways to share kindness with others in their lives
<u>Programming Journal</u> 	<u>2.1 K Kahoot Vocabulary Words</u> <u>Studio Code.org</u> - What are Algorithms? ... - What is Character? (Let's ... - Coding for Kids Explained ...	Google Slides → Practice sequencing using directional steps such as up, down, left, and right. → Review the following fundamental concepts: coding, command, algorithms, programming, pair programming, directionality, and bug.
<u>Battleship</u> 	<u>K Intro to Spreadsheets</u> <u>Presentation</u> <u>Short Gratitude Story for Kids</u> <u>What is a Spreadsheet?</u>	Google Sheets → Identify the three main parts of a spreadsheet program: rows, columns, and cells. → Explore a spreadsheet program's parts to familiarize yourself with the layout and functions.
<u>When I listen, I can Learn</u> 	<u>Sesame Street: Bruno Mars: Don't Give Up</u> <u>Keyboard Challenge</u> <u>Cup Stack Typing</u> By ABCya!	Desktop Publishing → Practice typing username, password, name, and home row keys. → Use formatting tools to format graphics. → Review rules and understand how listening can lead to success in technology class.

Do you like these projects?

Want to learn how to have your students create in Canva or other productivity suites? We are here to help.
Click [here](#) to schedule a FREE consultation or to get more information on how you can have a full Digital Literacy and Computer Science Curriculum at your school!

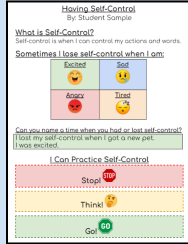
1st Grade

LESSON PLAN & SAMPLE LINKS

RESOURCES

LEARNING OBJECTIVES

Showing Self-Control

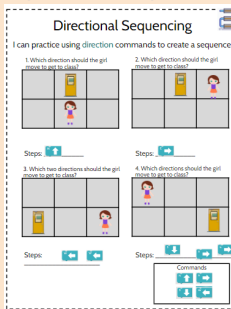


[Cookie Monster Practices Self-Regulation | Life Kit Parenting | NPR](#)
[Self Management Featuring The Character Effect™ Characters](#)

Google Docs

- Identify what self-control is, what behaviors can cause loss of self-control, and how to practice having self-control.
- Use formatting tools to format font style, size, and color.

Programming Journal



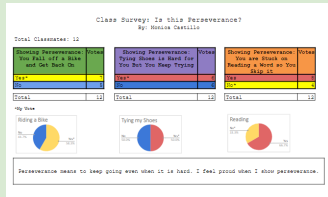
2.1 1st Vocabulary Words

- [Building Cultural Intelligenc...](#)
- [Hello Around the World | S...](#)

Google Slides

- Practice sequencing using directional steps such as up, down, right, and left.
- Review the following fundamental concepts: coding, command, algorithms, programming, pair programming, directionality, and bug.

Perseverance

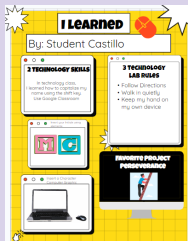


[Class Survey: Is this Perseverance?? A Little Spot of Perseverance](#)

Google Sheets

- Collect data by completing a class survey.
- Reflect on showing perseverance and how that makes you feel.

I Learned



[Pause & Think Online How Does Technology Make You Feel?](#)

Desktop Publishing

- Use formatting tools to format graphics.
- Review previous projects
- Insert elements
- Resize graphics
- Resize text

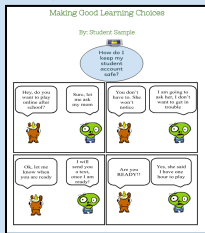
2nd Grade

LESSON PLAN & SAMPLE LINKS

RESOURCES

LEARNING OBJECTIVES

[Making Positive Learning Choices Comic](#)

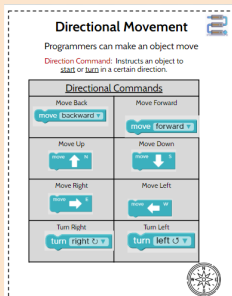


 [Will Bud Make Good Choi...](#)

Google Docs

- Identify and classify options for making better learning choices
- Introduce and practice using the Command or Control Keys

[Directional Movement](#)



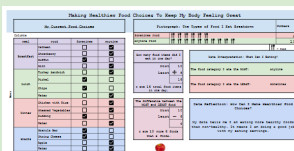
[Language Coding Video - Coding Lessons - Flocabulary](#)
[2.1 2nd Kahoot Vocabulary Words](#)
[What is Sequence? | Coding for Kids | Kodable](#)
[Programming with Angry Birds #1 | Course C \(2023\) - Code.org](#)

 [Why Do We Lose Control...](#)

Google Slides

- Know that an algorithm is a series of steps to complete a task and a sequence is the order in which the steps are completed.
- Review the following fundamental concepts: coding, command, algorithms, programming, pair programming, directionality, and bug.

[Making Healthy Choices](#)



[Unit 3: Project 2: 2nd Intro Presentation](#)
[Anytime Foods](#) By WIC West Virginia
[Healthy Home Cafe](#) By: Caroline Trickey
[How much should I eat?](#) By: National Institute on Aging

Google Sheets

- Understand that an aspect of having good health is making the right food intake choices.
- Analyze data to determine if they need to make healthier food choices.

[Final Challenge](#)



 [Sesame Street: Name That E...](#)

Desktop Publishing

- Use prior knowledge to complete the final challenge

3rd Grade

LESSON PLAN & SAMPLE LINKS

RESOURCES

LEARNING OBJECTIVES

Being SUPER Online



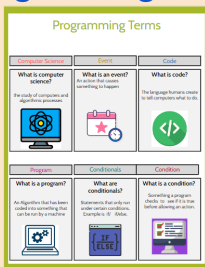
Book Creator

▶ SOCIAL EMOTIONAL LEA...

Word Processing

- Develop and create a Choose Your Adventure style book on making better learning choices.
- Write informative texts on choices one can make with their learning as they get ready for their day

Programming Terms



Password Protection By: Trend

Micro

Coding:

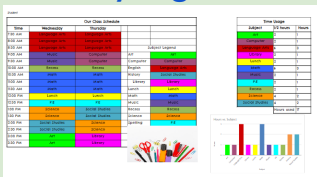
Flocabulary (Coding)

3rd Grade Coding Terms

Google Slides

- Communicate and collaborate with classmates to solve a problem.
- Understand the 'Sequence of Events' in completing a task
- Understand 'Events, loops, and decomposing' in coding

Analyzing Time

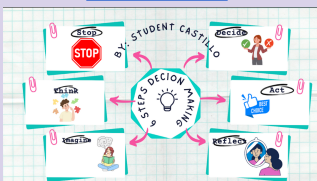


What is a Spreadsheet?
Elapsed Time Third-Grade
Ring of Responsibility

Google Sheets

- To understand the basics of spreadsheets.
- To analyze time choices to decide if the best choices are being made.
- To expose students to new tools to enhance spreadsheet skills.

Mind Mapping to Make a Decision



Balancing Screen Time for Kids.

Headspace Breathers by

Headspace

Thought Bubbles! Mindfulness for Children

Desktop Publishing

- Collaborate and brainstorm
- Mind map for decision-making
- Have a list of ways to set screen time boundaries

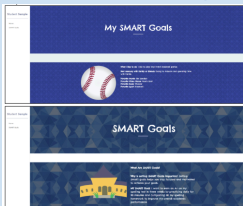
4th Grade

LESSON PLAN & SAMPLE LINKS

RESOURCES

LEARNING OBJECTIVES

Website Design

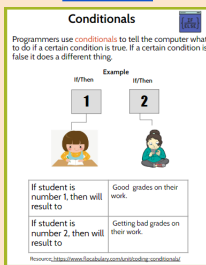


▶ [Digital Footprint Video | Common S...](#)
[15 SMART Goals Examples for Kids in 2023](#)

▶ [LearnStorm Growth Mindset: How t...](#)

- Word Processing**
- Understand the use of SMART GOALS.
 - Use the Shift key to capitalize the beginning of a sentence, using ending punctuation
 - Use Keyboard shortcut keys

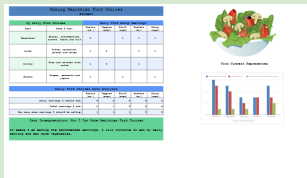
Listening and Responding While Online



<https://www.flocabulary.com/unit/coding-events/> (events)
<https://www.flocabulary.com/unit/coding-conditionals/> (conditionals)
[Coding: For Loops - Computer](#)
[What are Conditional Statements? |](#)
[Kodable Help Center](#) (conditionals)

- Google Slides**
- Decompose steps to solve a problem into a sequence of instructions.
 - Practice debugging to know that finding errors in code allows the algorithms to function correctly.

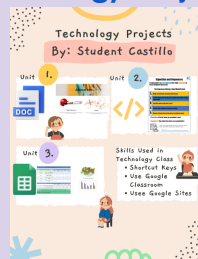
Food Healthy Choices



[How much should I eat?](#) By: National Institute on Aging
[Anytime Foods](#) By: WIC
[What is MyPlate?](#) By: U.S. Department of Agriculture
[MyPlate Food Guide](#) By: Nemours KidsHealth

- Google Sheets**
- Understand the purpose of a spreadsheet and database program is to sort, categorize, and calculate information.
 - Understand that an aspect of having good health is making the right food intake choices.

Technology Projects



- [Kids | MyPlate](#) By: USDA
- [Kids \(for Kids\)](#) By Nemours KidsHealth
- [BAM! Body and Mind | Healthy Schools |](#) By: CDC
- [Fuel Up to Play 60](#) By Fuel Up

- Desktop Publishing**
- Identify and define various healthy habits related to physical, mental, and emotional well-being.

5th Grade

LESSON PLAN & SAMPLE LINKS

RESOURCES

LEARNING OBJECTIVES

Escape Room



[Digital Escape Rooms](#)
[Digital Escape Digital Escape Rooms](#)
[Rooms in your Classroom - Classtime](#)

Word Processing

- Complete a digital escape room where they solve 4 puzzles to unlock the clues to escape and become a superstar student.

Developing a Plan to Solve a Problem

Developing a Plan to Solve a Problem
 Develop your own plan (program) to help the space explorer get to the battle



- Sequence
1. turn left
 2. move forward
 3. turn right
 4. repeat 2 move forward
 5. turn right
 6. move forward
 7. turn left
 8. repeat 3 move forward
 - 9.
 - 10.

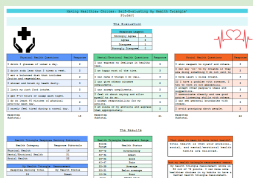
Lines of code: 8

- [Intro to Variables](#) By: Kahn Academy
- [Intro to While Loop](#)

Google Slides

- Create simple loops with a series of commands and know that looping allows for action to repeat itself.
- Develop an 'If, then' conditional statement to know these statements tell the computer to do something based on certain criteria.

Mental Health

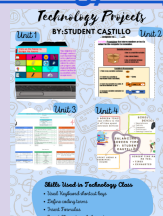


<https://curriculum.code.org/csf-19/coursesec/2/>
[What is a Spreadsheet?](#)
[Teaching Perseverance. Try Interactive Modeling | Responsive Classroom](#)

Google Sheets

- Explore a spreadsheet program's parts to familiarize yourself with the layout and functions.
- Understand the purpose of a spreadsheet program.

Technology Projects



www.canva.com

Desktop Publishing

- Use formatting tools to format graphics.
- Review previous projects
- Insert elements
- Insert animation

6th Grade

LESSON PLAN & SAMPLE LINKS

RESOURCES

LEARNING OBJECTIVES

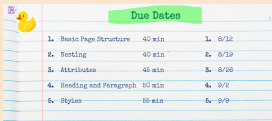
Intro to MLA o APA



[MLA Style Center](#)
[MLA General Format](#)
[MLA Format: Everything You Need to Know Here](#)
[APA Style](#)

- Word Processing**
- Learn the basic formatting guidelines
 - Learn in-text citations
 - Create a Works Cited or References page

Unit 2: Project 1-6: 6th-8th: Coding Journal S2

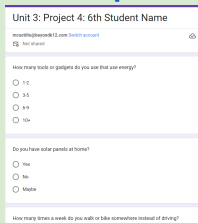


Due Dates		
1. Basic Page Structure	40 min	1. 6/12
2. Styling	40 min	2. 6/13
3. Attribution	40 min	3. 6/18
4. Reading and Paragraph	50 min	4. 6/19
5. Styling	60 min	5. 6/19

[The Rubber Duck Story](#) By: CheersKevin
[Unit 2: 6th-8th What is a Flipped Classroom Handout](#)
[Unit 2: 6th-8th Programming Journal Requirements Handout](#)

- Google Slides**
- Understand the expectations of a Flipped Classroom.
 - Understand how the different assignments in the Flipped Classroom will look.

3.3 6th Water Survey Sample



Unit 3: Project 4: 6th Student Name _____

How many tools or gadgets do you use that save energy?

☐ 1-2 ☐ 3-4 ☐ 5-6 ☐ 7-8

Do you have solar panels at home?

☐ Yes ☐ No ☐ Maybe

How many times a week do you walk or bike somewhere instead of driving?

[How to Conserve Water](#) By: National Geographic
[3 Thoughtful ways to conserve water](#) By Ted

- Google Sheets**
- Create a form and collect data.
 - Interpret data in multiple ways.
 - Collect data using computational tools and transform it to make it more useful.

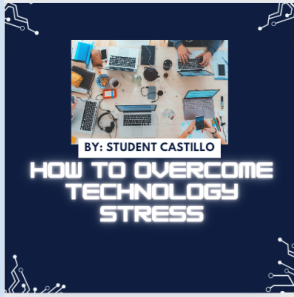
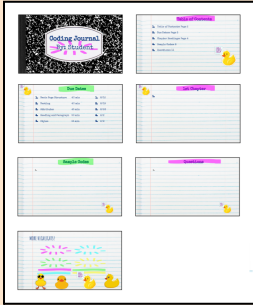
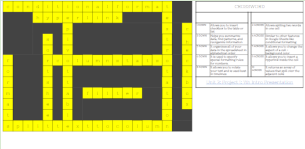
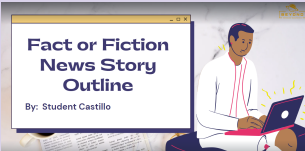
Perseverance



[What is a storyboard?](#)
[How to Build Healthy Friendships: Get a Growth Mindset](#) By Carol Dweck
[Canva Design Skills for Students - Design School](#)
[Design Thinking 101](#)

- Desktop Publishing**
- Create a how-to video on having a growth mindset when it comes to making friends
 - Record a voice-over and insert it into the video

7th Grade

LESSON PLAN & SAMPLE LINKS	RESOURCES	LEARNING OBJECTIVES
<u>Overcoming Stress</u> 	Nervous vs. Excited How to Turn Anxiety Into Excitement	Word Processing → Review guidelines on how to spot fake information. → Practice using knowledge learned to decipher between real and fake news
<u>Unit 2: Project 1-6: 6th-8th: Coding Journal S2</u> 	The Rubber Duck Story By: CheersKevin Unit 2: 6th-8th What is a Flipped Classroom Handout Unit 2: 6th-8th Programming Journal Requirements Handout Unit 2: 6th-8th Discussion Board Requirements	Google Slides → Understand the expectations of a Flipped Classroom. → Understand how the different assignments in the Flipped Classroom will look. → Practice writing a discussion board post and a response to their peers. → Students will successfully sign up for their CodeStop accounts
<u>Intro to Spreadsheet</u> 	3.1 7th Intro to Spreadsheets Presentation Lesson 2: Powerful Passwords What is a Spreadsheet? Teaching Perseverance? Try	Google Sheets → Compare and contrast spreadsheets, forms, and databases. → Understand how to chat safely online and discover red flags from unsafe online environments.
<u>Screen Time Research</u> 	Cloud Stop Motion The drug-like effect of screen ti... The Surprising, Research-Backed Benefits of Active Screen Time EdSurge News	Desktop Publishing → Research news topics to develop a fact or fiction news story → Discern how to think critically of messages in the media

8th Grade

LESSON PLAN & SAMPLE LINKS

RESOURCES

LEARNING OBJECTIVES

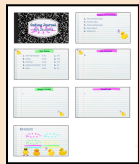
Resume



[What is Computer Science?](#) By: Undefined Behavior
[What Is Computer Security? \(And Why It's Important\) | Berkeley Boot Camps](#)
[National Cybersecurity Alliance](#)

- Word Processing**
- Know what a strong resume looks like.
 - Understand how resumes are used in career planning.

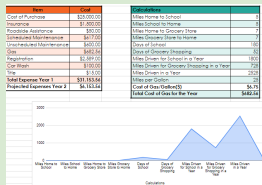
Unit 2: Project 1-6: 6th-8th: Coding Journal S2



[The Rubber Duck Story](#) By: CheersKevin
[Unit 2: 6th-8th What is a Flipped Classroom Handout](#)
[Unit 2: 6th-8th Programming Journal Requirements Handout](#)
[Unit 2: 6th-8th Discussion Board Requirements](#)

- Google Slides**
- Understand how the different assignments in the Flipped Classroom will look.
 - Students will successfully sign up for their CodeStop accounts

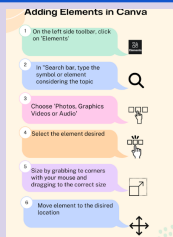
Budgets



[How to Conserve Water](#) By: National Geographic
[3 Thoughtful ways to conserve water](#) By: Ted

- Google Sheets**
- Understand the literacy necessary to access the Internet, awareness literacy, evaluation literacy, and literacy to produce media messages.
 - Spreadsheet formulas to get the desired outcome.

The Power of Yet



[Accessibility Basics: Designing for Visual Impairment](#)
[Inclusive Design: Designing for Deaf People Helps Everyone](#)
[Canva.com Short keyboard shortcuts](#)

- Desktop Publishing**
- Learn Keyboard shortcuts on Canva.com.
 - Create how-to posters explaining technology tips and tricks.
 - Apply troubleshooting strategies to resolve issues in hardware and software.

Do you like these projects?

Want to learn how to have your students create in Canva or other productivity suites? We are here to help.
Click [here](#) to schedule a FREE consultation or to get more information on how you can have a full Digital Literacy and Computer Science Curriculum at your school!