

CONTENT	L.O.	AGE		
Definition of Computational Thinking				
Learning Outcomes (L.O.)	Learning Outcomes (L.O.)			
Vocabulary				
Lockbox Meditation (Optional)	See activity	Age 4-6 th Gr.		
Be a Robot!	Primary/Secondary	Age 4-6 th Gr.		
Creating a Program	Primary	Age 4-6 th Gr.		
Conditional Adventure	Primary	2 nd -6 th Gr.		
Conditional Adventure Story				
Conditional Adventure Diagram Key				
Conditional Adventure Worksh	neet			
Mouse Maze Activity	Secondary	Age 4-1 st Gr.		
Mouse Maze Worksheet				
Get Programmed!	Secondary	2 nd -6 th Gr.		
Get Programmed! Command Cards		2 nd -6 th Gr.		
LEGO Maze Activity	Secondary	K-6 th Gr.		
LEGOS Mazes #1- #5		K-6 th Gr.		
LEGO Maze Worksheet		2 nd -6 th Gr.		
Mice for Mazes		Age 4-6 th Gr.		
Robot Coloring Page				
Trainer Notes				

Module 1- Computational Thinking Definitions and Learning Outcomes (L.O.)

1. Computational Thinking (CT) is defined as the process required to understand a problem, the way to find appropriate and effective solutions, and the testing and implementing of the solution. Use of logic, patterns, and assessment of methods are all part of CT. This module also focuses on the vocabulary associated with CT.

2. The four stages of computational thinking involve (1) stating the problem in a way that a logical process or computer could solve- commonly done using conditional statements.(2) organizing the process and data, (3) creating models/simulations to identify bugs, (4) placing solutions into a series of logical sequential steps.

PRIMARY LEARNING OUTCOMES: By the end of the class, students can:

Age 4-1st grade

Create and **contrast** sequential solutions or algorithms for problems, and **associate** this with computer coding.

2nd-4th grade

Create and **contrast** sequential solutions or algorithms for problems, and **associate** this with computer coding.

5th-6th grade

Create and **contrast** sequential solutions or algorithms for problems, and **associate** this with computer coding.

SECONDARY LEARNING OUTCOMES: By the end of class students can:

Age 4-1st grade

Correctly **use or define** two or more of the vocabulary terms used in completed activities.

2^{nd-}-4th grade

Correctly **use or define** three or more of the vocabulary terms used in completed activities.

5th-6th grade

Correctly **use or define** four or more of the vocabulary terms used in completed activities.



Online Safety and Ethics

CONTENT	L.O.	AGE	
Definition of Safety and Ethics			
Learning Outcomes (L.O.)			
Vocabulary			
Breathing Meditation (Optional)	See activity	Age 4 - 6 th Gr.	
L.A.S.T. Discussion	Primary & Secondary	Age 4 - 6 th Gr.	
L.A.S.T. Coloring Page			
Digital Ethics	Primary	2 nd -6 th Gr.	
What Would You Do Memory Game	Primary	Age 4 - 1 st Gr.	
Memory Game Pictures			
What Would You Do?	Primary & Secondary	Age 4 - 6 th Gr.	
What Would You Do? #1 – Situations to Discuss		Age 4 - 6 th Gr.	
What Would You Do? #1 - Talking Points		Age 4 - 6 th Gr.	
What Would You Do? #2 - Situations to Discuss		2 nd - 6 th Gr.	
What Would You Do? #2 - Talking Points		2 nd - 6 th Gr.	
Share or Not Share?	Primary	2 nd - 6 th Gr.	
Mother May I?	Secondary	Age 4 - 6 th Gr.	
Trainer Notes			

Module 2: Online Safety & Ethics Definition and Learning Outcomes (L.O.)

1. Online Safety is the knowledge and ability needed to avoid risks to one's physical, emotional, and financial well-being while using technology. Being safe online means avoiding identity theft, predators, scams, phishing, bullies, malware, trolls, etc.

2. The ethics in this module focus on dealing with emotions and thoughts that arise following a negative experience while using technology and responding appropriately.

PRIMARY LEARNING OUTCOME: By the end of the class, students can:

Age 4-1st grade

Identify safe choices and appropriate responses when using technology

2nd-4th grade

Identify safe choices and appropriate responses when using technology.

5th-6th grade

Identify safe choices and appropriate responses when using technology.

SECONDARY LEARNING OUTCOME: By the end of class students can:

Age 4-1st grade

Identify and **acknowledge** feelings that arise when confronted with a negative technology experience.

2^{nd-}-4th grade

Identify and **acknowledge** feelings that arise when confronted with a negative technology experience.

5th-6th grade

Identify and **acknowledge** feelings that arise when confronted with a negative technology experience.



Digital Communication

CONTENT	L.O.	AGE
Definition of Computational Thinking		
Learning Outcomes (L.O.)		
Vocabulary		
Muscle Meditation (Optional)	See activity	Age 4 - 6 th Gr.
That's Good, That's Bad?	Primary	Age 4 - 6 th Gr.
That's Good, That's Bad? Monotone Story		
What Is Really Being Said?	Primary	2 nd - 6 th Gr.
What Is Really Being Said? Texts		
Decoding Emojis	Primary	Age 4 - 6 th Gr.
Decoding Emojis Emoji Examples		
GIF Fairy Tale	Primary	Age 4 - 1 st Gr.
GIF Fairy Tale Pictures		
Emoji Life Story	Primary	2 nd - 6 th Gr.
Emoji Life Story Worksheets		
What Does It Meme?	Primary & Secondary	Age 4 - 6 th Gr.
What Does It Meme? Pictures to Caption		
TXT SPK It	Primary & Secondary	Age 4 - 6 th Gr.
Living Facebook Feed	Primary & Secondary	2 nd - 6 th Gr.
Facebook Feed Example		
Emoji Page for student reactions		
Trainer Notes		

Module 3: Digital Communication Definition and Learning Outcomes

 Digital Communication is the ability to electronically send information via a device that can access the Internet. It includes producing or revising content as well as uploading, downloading, sharing and making comments. Digital Communication has allowed ideas and information to be shared on an unprecedented level. Digital information such as email has virtually replaced writing and mailing letters.

PRIMARY LEARNING OUTCOME: By the end of the class, students can:

Age 4-1st grade

Relate ways digital communication and etiquette differs from face-to-face communication and etiquette.

2nd-4th grade

Relate ways digital communication and etiquette differs from face-to-face communication and etiquette.

5th-6th grade

Relate ways digital communication and etiquette differs from face-to-face communication and etiquette.

SECONDARY LEARNING OUTCOME: By the end of class students can:

Age 4-1st grade

Correctly **use** or **define** two or more of the vocabulary terms used in completed activities.

2^{nd-}-4th grade

Correctly use or define three or more of the vocabulary terms used in completed activities.

5th-6th grade

Correctly **use** or **define** four or more of the vocabulary terms used in completed activities.



Media Literacy

CONTENT	L.O.	AGE	
Definition of Media Literacy			
Learning Outcomes (L.O.)			
Vocabulary			
Sensory Walk (Optional)	See activity	Age 4 - 6 th Gr.	
Who, What, When, Where, Why & My	Primary & Secondary	Age 4 - 1 st Gr.	
Who, What, When, Where, Why & My Short Stories			
What's the Scoop?	Primary	Age 4-1 st Gr.	
What's the Scoop?	Primary & Secondary	2 nd - 6 th Gr.	
What's the Scoop? News Stories			
Two Truths and a Lie	Primary	2 nd - 6 th Gr.	
No-Screen Video	Primary	2 nd - 6 th Gr.	
No-Screen Video Worksheet			
Unicorn Coloring Page			
Trainer Notes			

Module 4: Media Literacy Definition and Learning Outcomes

1. Media literacy provides a framework to access, analyze, evaluate, create, and participate with messages in a variety of forms, from print to video, to the internet. Media Literacy builds an understanding of the role of media in society as well as essential skills of inquiry and self-expression necessary for citizens of a democracy. (http://medialit.org/media-literacy-definition-and-more)

2. Media literacy focuses on the critical analysis and responsible use of messages in multimedia. See: <u>https://www.aspeninstitute.org/wp-content/uploads/2010/11/Digital</u> and Media Literacy.pdf

PRIMARY LEARNING OUTCOME: By the end of the class, students can: Age 4-1st grade

Learn to apply age-appropriate critical thinking to online media and communication. This includes evaluating all forms of media and considering the purpose, accuracy and possible bias of the creator, and possible bias in one's self.

2nd-4th grade

Learn to apply age-appropriate critical thinking to online media and communication. This includes evaluating all forms of media and considering the purpose, accuracy and possible bias of the creator, and possible bias in one's self.

5th-6th grade

Learn to apply age-appropriate critical thinking to online media and communication. This includes evaluating all forms of media and considering the purpose, accuracy and possible bias of the creator, and possible bias in one's self.

SECONDARY LEARNING OUTCOME: By the end of class students can:

Age 4-1st grade

Learn how to check media content using sites devoted to fact checking, and sites which provide verifiable facts.

2nd-4th grade

Learn how to check media content using sites devoted to fact checking, and sites which provide verifiable facts.

5th-6th grade

Learn how to check media content using sites devoted to fact checking, and sites which provide verifiable facts.



Digital Wellness

CONTENT	L.O.	AGE	
Definition of Digital Wellness			
Learning Outcomes (L.O.)			
Vocabulary			
Focus Exercise: Saying No (Optional)	See activity	Age 4 - 6 th Gr.	
Focus Exercise Document: Types of	Nos	•	
Healthy Downtime	Primary	Age 4 - 6 th Gr.	
Healthy Downtime	Primary	2 nd - 6 th Gr.	
Silly Consequences Word Game	Primary & Secondary	2 nd - 6 th Gr.	
Silly Consequences "If" and "Then" S	tatements	•	
Silly Consequences Answer Workshe	et		
Digital S.M.A.R.T. Goals	Secondary	2 nd - 6 th Gr.	
Digital S.M.A.R.T. Goal Worksheet			
Digital S.M.A.R.T. Art Project: Draw	Secondary	2 nd - 6 th Gr.	
Digital S.M.A.R.T. Art Instructions an	d Example		
Digital Wellness Mad Lib	Primary	Age 4 - 6 th Gr.	
Digital Wellness Mad Lib #1			
Digital Wellness Mad Lib #1 Workshe	et		
Digital Wellness Mad Lib #2			
Digital Wellness Mad Lib #2 Workshe	et		
I Will Take Care of My Body Coloring Page	ge		
Trainer Notes			

Module 5- Digital Wellness Definition and Learning Outcomes

1. Digital Wellness is an intentional pursuit of emotional, mental, social, and physical health in our technological age whether the use is at school, work, in one's home or pocket. The user needs to understand why and how to maintain a proper lifestyle balance of online and offline hours that ensures time for sufficient physical activity, sleep, nutrition, and mental downtime.

2. Some aspects of Digital Wellness are covered in Modules 2 and 4 (Online Safety and Digital Literacy). Being digitally healthy includes the ability to avoid online dangers such as identity theft, scams, and malware. It also includes an understanding of how advertisers use emotion and false paradigms, (their product will bring happiness, beauty, friendship, etc.) and how overuse of social media and other sites can have a negative effect on self-image and well-being.

PRIMARY LEARNING OUTCOMES: By the end of the class, students can:

Age 4-1st grade

Identify and **explain reasons** for personal healthy lifestyle choices, including appropriate use and self-regulation of technology.

2nd-4th grade

Identify and **explain reasons** for personal healthy lifestyle choices, including appropriate use and self-regulation of technology.

5th-6th grade

Identify and **explain reasons** for personal healthy lifestyle choices, including appropriate use and self-regulation of technology.

SECONDARY LEARNING OUTCOMES: By the end of class students can:

Age 4-1st grade

Create goals appropriate to their developmental level and **understand** how these goals can help them accomplish tasks and learn associated skills.

2nd-4th grade

Create goals appropriate to their developmental level and **understand** how these goals can help them accomplish tasks and learn associated skills.

5th-6th grade

Create goals appropriate to their developmental level and **understand** how these goals can help them accomplish tasks and learn associated skills.



Using Tech for Good

CONTENT	L.O.	AGE	
Definition of Digital Wellness			
Learning Outcomes (L.O.)			
Vocabulary			
Positive Mottos (Optional)	See activity	Age 4 - 6 th Gr.	
Positive Mottos to Decorate	·	•	
What Do Animals Leave Behind?	Primary & Secondary	Age 4 - 1 st Gr.	
What Do Animals Leave Behind Answer Sheet/Tracks			
Digital Detective			
Digital Detective Worksheet			
Technology As a Tool	Primary	Age 4 - 1 st Gr.	
Technology as a Tool Hammer Picture			
Technology As a Tool Resources	Primary & Secondary	2 nd - 6 th Gr.	
Technology as a Tool Full Resource List			
Seeing Beyond the Screen	Primary & Secondary	2 nd - 6 th Gr.	
Seeing Beyond the Screen Visual Aid			
Super Internet Citizen	Primary & Secondary	4 th - 6 th Gr.	
Super Internet Citizen Scenarios			
The Importance of Empathy		Age 4 - 6 th Gr.	
The Importance of Empathy Dialogue for Puppets & Part II			
The Importance of Empathy Puppets and Mask			
Emoji Matching Game Cards			
Trainer Notes			

Module 6 - Using Tech for Good Definitions and Core Standards

1. Digital technology is defined as electronic systems and devices that produce, share, store, and process data. The internet has a vast wealth of content and possible interactions, can have a powerful effect on our limbic systems, and has unprecedented influence in the world today. It is an ever-present and increasingly important part of our lives. Therefore, it is critical to learn how to use this technology as a force for good.

2. In order to have a positive technological impact on ourselves and others, we must be able to (1) identify the effect of media on our thoughts and emotions, (2) learn ways to empathize with the feelings and situations of others, (3) show self-regulation in how we respond to others, (4) intentionally filter out negative content, (5) understand what social media algorithms are and their effect; and (6) find, share and foster positive content.

PRIMARY LEARNING OUTCOMES: By the end of the class, students can:

Age 4-1st grade

Understand reasons to use technology mindfully and responsibly, such as digital permanence and the power to create a positive or negative effect in the world

2nd-4th grade

Understand reasons to use technology mindfully and responsibly, such as digital permanence and the power to create a positive or negative effect in the world

5th-6th grade

Understand reasons to use technology mindfully and responsibly, such as digital permanence and the power to create a positive or negative effect in the world.

SECONDARY LEARNING OUTCOMES: By the end of class students can:

Age 4-1st grade

Understand that empathy and etiquette are just as important while using technology as they are in face-to-face communication.

2nd-4th grade

Understand that empathy and etiquette are just as important while using technology as they are in face-to-face communication.

5th-6th grade

Understand that empathy and etiquette are just as important while using technology as they are in face-to-face communication.