PUBLIC SCHOOLS OF EDISON TOWNSHIP

OFFICE OF CURRICULUM AND INSTRUCTION

Primary Technology

Length of Course:	Term
Elective/Required:	Required
Schools:	Elementary
Eligibility:	Grade 1-2
Credit Value:	N/A
Date Approved:	August 24, 2020

TABLE OF CONTENTS

Unit 1: Care/Maintenance

NJTS:
- 8.1.2.A.1, 8.1.2.C.1, ,8.2.2.C.2

SEL Competencies
- **Self- Management:**
  - Recognize the skills needed to establish and achieve personal and educational goals.
  - Identify and apply ways to persevere or overcome barriers through alternative methods to achieve one's goals
- **Self Awareness:**
  - Recognize the importance of self-confidence in handling daily tasks and challenges

Unit Objectives:
- Introduce students to the chromebooks so they can effectively, efficiently, and appropriately use and care for the chromebook

Unit 1, Lesson 1: Care/Maintenance	**Activity**
- Turn on/off/restart - Opening - Closing - Tablet/ to clamshell - How to hold - Tablet - Be mindful of keyboard - Clamshell - How to walk with it - No running - Where to place it - Clean area - No food or water near device - How to charge - Ports - Headphones - USB - Charger - How to plug in for charging - Stylus - Ask parents to purchase as part of supplies	**Remote Option:** Create a device rule poster and hang it in your learning space at home. **In-Person Option:** Create class device rule poster and hang it in your learning space at school.

Suggested Resources/Extensions:

UNIT 2: Basics 101

NJTS
- 8.1.2.A.1, 8.1.2.A.2, 8.1.2.A.4, 8.1.2.A.6, 8.1.2.A.7, 8.1.2.C.1, 8.1.2.E.1, 8.2.2.C.2

SEL Competencies
- **Self- Management:**
  - Recognize the skills needed to establish and achieve personal and educational goals.
  - Identify and apply ways to persevere or overcome barriers through alternative methods to achieve one's goals
- **Responsible Decision-Making:**
  - Develop, implement, and model effective problem-solving and critical thinking skills
- **Self Awareness:**
  - Recognize the importance of self-confidence in handling daily tasks and challenges
  - Recognize one's personal traits, strengths, and limitations
- **Social Awareness:**
  - Demonstrate an awareness of the expectations for social interactions in a variety of settings

Unit Objectives:
- Help prepare students to use chromebooks, applications, and key functions for personal and educational enrichment by introducing the concepts and terminology of technology and the appropriate and effective use of the computer as a learning tool.
- Introduce students to the digital tools and creative tools to access, manage, evaluate and synthesize information to solve problems individually and collaboratively and to create and communicate knowledge.

Unit 2, Lesson 1: *Overview of keyboard*
● Keyboard and trackpad (clamshell)
● keyboard and touchscreen (tablet)
● Turn up/down volume (side and on keyboard)
● Brighten/dim screen
● Logging in/Logging off
   ○ QR codes
      ■ Suggestions for display:
         ● name tags
         ● keychain
	Unit 2, Lesson 1 Activity
	
	Remote Option Open device and review/practice keyboards, trackpad, touchscreen, and logging on/off.
	
	In-Person Option: Open device and review/practice keyboards, trackpad, touchscreen, and logging on/off.

Unit 2, Lesson 2: *Web Browser*
● Opening new window
● Opening tab
● Closing tab
   ○ **Be sure to label the window you have open for kids
      ■ Url box/link box
      ■ Close out
      ■ etc
● Refreshing
● Zoom in/out
● Splitting Screen
● Go back/forward (keyboard shortcut)
	Unit 2, Lesson 2 Activity
	
	Remote Option: Practice reviewed concepts during our lesson.
	
	In-Person Option: Practice reviewed concepts during our lesson.

● Saving files
● Adding Bookmarks
  ○ Save classlink
● Typing url into link box
  ○ Suggested websites to visit:
    ■ Storylineonline.net
    ■ https://www.funbrain.com	

Unit 2, Lesson 3: _Accessing Frequently Used Websites/Programs_
● Logging into Class Link
  ○ Quick Cards
  ○ Name sites but not elaborate on any of them YET
● Taskbar/Shelf Apps
	Unit 2, Lesson 3 Activity
	
	Remote Option: Log into Class Link, explore apps (OPTIONAL), Open up Google Slide OR Google Doc and practice typing
	
	In-Person Option: Log into Class Link, explore apps (OPTIONAL), Open up Google Slide OR Google Doc and practice typing

Unit 2, Lesson 4: _Typing_
● General
  ○ Capitals/lowercase
  ○ Punctuation
  ○ Voice dictation*
  ○ Copy and paste
    ■ Tablet
    ■ Clamshell
● Typing practice websites
  ○ https://www.typingclub.com
  ○ https://www.kidztype.com/
  ○ Google Docs
	Unit 2, Lesson 4 Activity
	
	Remote Option: Practice any keyboard/typing games in your web browser.
	
	In-Person Option: Practice any keyboard/typing games in your web browser.

Unit 2, Lesson 5: _Picture & Video Tools_
● Review the following in both tablet and clamshell form
  ○ Capturing picture/video
  ○ Saving picture/video
  ○ Accessing pictures/videos
	Unit 2, Lesson 5 Activity
	
	Remote Option: Take a video and picture, find it in your files.
	
	In-Person Option: Take a video and picture, find it in your files.

Suggested Resources/Extensions:
➔ Suggested Websites:
  ◆ Web Browser Practice
    ● https://pbskids.org/games/
    ● https://www.codemoji.com/workshop.php
    ● https://www.artforkidshub.com/how-to-draw/
  ◆ More Typing Practice
    ● https://www.freetypinggame.net/play9.asp
    ● https://www.learninggamesforkids.com/keyboarding-games/keyboarding-games-typing-adventure-1.html
    ● https://www.turtlediary.com/game/multiplayer-basketball.html?topicname=beginner
      ○ Students can play against one another	

➔ Video/Camera Practice:
- ◆ Take a video tour of your classroom
- ◆ Take a video tour of a room in your house
- ◆ Take a photo of your family members
- ◆ Take photos of your favorite thing to do at home

UNIT 3: Seesaw

NJTS
- 8.1.2.A.1, 8.1.2.A.2, 8.1.2.A.4, 8.1.2.A.6, 8.1.2.A.7, 8.1.2.C.1, 8.1.2.E.1, 8.2.2.C.2

SEL Competencies
- **Self- Management:**
  - Recognize the skills needed to establish and achieve personal and educational goals.
  - Identify and apply ways to persevere or overcome barriers through alternative methods to achieve one's goals
  - Understand and practice strategies for managing one's own emotions, thoughts, and behaviors
- **Responsible Decision-Making:**
  - Develop, implement, and model effective problem-solving and critical thinking skills
  - Identify the consequences associated with one's actions in order to make constructive choices
  - Evaluate personal, ethical, safety, and civic impact of decisions
- **Self Awareness:**
  - Recognize the importance of self-confidence in handling daily tasks and challenges
  - Recognize one's personal traits, strengths, and limitations
- **Social Awareness:**
  - Demonstrate an awareness of the expectations for social interactions in a variety of settings

Unit Objectives:
- Introduce and familiarize students with the digital platform, Seesaw.
- Utilize the Seesaw digital and creative tools to access, manage, evaluate and synthesize information to solve problems, create assignments and communicate knowledge.

Unit 3, Lesson 1: *Seesaw Interface*
- Interface
    ○ Calendar view
    ○ Journal view
    ○ Activities tab
    ○ Inbox tab
    ○ Notifications
    ○ Blog
- How to sign in (class codes)
	Unit 3, Lesson 1 Activity
	
	Remote Option: Sign into seesaw using your home-learning code and explore all of the buttons.
	
	In-Person Option: Sign into seesaw using your class code and explore all of the buttons.

Unit 3, Lesson 2: *Green Plus sign*
- Note
- Link
- Drawing
- Video
- Picture
	Unit 3, Lesson 2 Activity
	
	Remote Option: Choose ONE of the tools we discussed and share your name and favorite food.
	
	In-Person Option: When learning each tool, stop and pause to practice:
	    ○ Note
	        ■ Type your name
	    ○ Drawing
	        ■ Draw your favorite food
	    ○ Video

Unit 3, Lesson 3: *Creative Canvas Tools*
● Editing tools within Canvas
● Type
  ○ Style change
● Draw
  ○ Creative tools
● Pointer
● Video
● Camera
● Background
● Shapes
● Adding/duplicating/deleting page
	Unit 3, Lesson 3 Activity
	
	Remote Option: Canvas Project
	  ○ Add drawing with multiple pages
	  ○ Add background
	  ○ Add shape
	  ○ Add text/label
	  ○ Add drawing/picture
	  ○ Add video
	  ○ Record/toggle between pages and use pointer
	
	In-Person Option: Canvas Project
	  ○ Add drawing with multiple pages
	  ○ Add background
	  ○ Add shape
	  ○ Add text/label
	  ○ Add drawing/picture
	  ○ Add video
	  ○ Record/toggle between pages and use pointer

Unit 3, Lesson 4: *Interactive/Editing Tools*
● Using folders
  ○ Finding work in specific folder
  ○ Adding work to folder
● Comment/Likes
  ○ Recording voice
● Editing items (3 magic dots)
  ○ Copy and edit
  ○ Edit item
  ○ Edit people
  ○ Edit folders
	Unit 3, Lesson 4 Activity
	
	Remote Option: Look for assignment in specific folder, copy and edit item, comment/like item.
	
	In-Person Option: Look for assignment in specific folder, copy and edit item, comment/like item.

Unit 3, Lesson 5: *Activities* ● How to access ● How to respond ● Activity notifications ● Saving as draft vs submitting work	**Unit 3, Lesson 5 Activity** **Remote Option:** Complete activity assigned by teacher. **In-Person Option:** Complete activity assigned by teacher.
Suggested Resources/Extensions:	

UNIT 4: Digital Citizenship

NJTS
- 8.1.2.A.1, 8.1.5.D.3, 8.1.5.D.4, 8.1.2.C.1, 8.1.2.B.1, 8.1.5.F.1

SEL Competencies
- **Responsible Decision-Making**
    - Develop, implement, and model effective problem-solving and critical thinking skills
    - Identify the consequences associated with one's actions in order to make constructive choices
    - Evaluate personal, ethical, safety, and civic impact of decisions
- **Social Awareness**
    - Recognize and identify the thoughts, feelings, and perspectives of others
    - Demonstrate an awareness of the differences among individuals, groups, and others' cultural backgrounds
    - Demonstrate an understanding of the need for mutual respect when viewpoints differ
    - Demonstrate an awareness of the expectations for social interactions in a variety of settings
- **Self-Awareness**
    - Recognize one's feelings and thoughts
    - Recognize the impact of one's feelings and thoughts on one's own behavior
- **Self-Management**
    - Understand and practice strategies for managing one's own emotions, thoughts, and behaviors
- **Relationship Skills**
    - Identify who, when, where, or how to seek help for oneself or others when needed

Unit Objectives:
- Understand the importance of being safe, responsible, and respectful online as a digital citizen.
- Recognize the ways in which digital devices can be distracting and identify how they feel when others are distracted by their devices.
- Identify ideal device-free moments for themselves and others.
- Understand that being safe online is similar to staying safe in real life.
- Learn to identify websites and apps that are "just right" and "not right" for them.
- Know how to get help from an adult if they are unsure about a website.
- Learn that the information they share online leaves a digital footprint or "trail"
- Explore what information is OK to be shared online
- Understand what online meanness can look like and how it can make people feel and identify ways to respond to mean words online.

Suggested Resources/Extensions:

Click here for UNIT SLIDES.

Unit 4, Lesson 1: Pause & Think Online: Digital Citizenship Intro	**Unit 4, Lesson 1 Activity** **Remote Option:** Click here for activity. **In-Person Option:** Click here for activity.
Unit 4, Lesson 2: Device Free Moments	**Unit 4, Lesson 2 Activity**

	Remote Option: Click for activity 1 or activity 2. **In-Person Option:** Click for activity 1 or activity 2.
Unit 4, Lesson 3: Internet Traffic Light	**Unit 4, Lesson 3 Activity** **Remote Option:** Click here for activity. **In-Person Option:** Click here for activity.
Unit 4, Lesson4: Digital Trails	**Unit 4, Lesson 4 Activity** **Remote Option:** Click here for activity. **In-Person Option:** Click here for activity (ONLY PAGE 2).
Unit 4, Lesson 5: Putting a STOP to Online Meanness	**Unit 4, Lesson 5 Activity** **Remote Option:** Click here for activity. **In-Person Option:** Click here for activity (ONLY PAGE 2).

UNIT 5: Frequently Used District Sites

NJTS
- 8.1.2.A.1, 8.1.2.A.4, 8.1.2.C.1

SEL Competencies
- **Social Awareness**
  - Recognize and identify the thoughts, feelings, and perspectives of others
  - Demonstrate an awareness of the differences among individuals, groups, and others' cultural backgrounds
  - Demonstrate an understanding of the need for mutual respect when viewpoints differ
  - Demonstrate an awareness of the expectations for social interactions in a variety of settings
- **Self-Awareness**
  - Recognize one's feelings and thoughts
  - Recognize the impact of one's feelings and thoughts on one's own behavior
  - Recognize the importance of self-confidence in handling daily tasks and challenges
- **Relationship Skills**
  - Establish and maintain healthy relationships
  - Utilize positive communication and social skills to interact effectively with others
- **Responsible Decision-Making**
  - Develop, implement, and model effective problem-solving and critical thinking skills
- **Self-Management**
  - Recognize the skills needed to establish and achieve personal and educational goals

Unit Objectives:
- Introduce students to the digital tools and creative tools to access, manage, evaluate and synthesize information to solve problems individually and collaboratively and to create and communicate knowledge.
- Introduce the following websites and their functions:
  - Google Meet
  - Exact Path
  - EPIC!
  - Kids A-Z
  - Discovery ED
  - Easy Bridge

Unit 5, Lesson 1: Google Meet (new features included)	**Unit 5, Lesson 1 Activity** **Remote Option:** Practice/ explore website **In-Person Option:** Practice/ explore website
Unit 5, Lesson 2: Exact Path (Reading & Math)	**Unit 5, Lesson 2 Activity** **Remote Option:** Practice/ explore website **In-Person Option:** Practice/ explore website
Unit 5, Lesson 3: EPIC! & Kids A-Z	**Unit 5, Lesson 3 Activity** **Remote Option:** Practice/ explore website

	In-Person Option: Practice/ explore website
Unit 5, Lesson 4: Discovery Ed	**Unit 5, Lesson 4 Activity** **Remote Option:** Practice/ explore website **In-Person Option:** Practice/ explore website
Unit 5, Lesson 5: Easy Bridge	**Unit 5, Lesson 4 Activity** **Remote Option:** Practice/ explore website **In-Person Option:** Practice/ explore website
Suggested Resources/Extensions:	

OPTIONAL Videos & Lessons

NJTS
- 8.1.2.A.1, 8.1.2.A.4, 8.1.2.A.6, 8.1.2.A.7 8.1.2.B.1, 8.1.2.C.1

SEL Competencies
- **Responsible Decision-Making**
  - Develop, implement, and model effective problem-solving and critical thinking skills
- **Self-Management**
  - Recognize the skills needed to establish and achieve personal and educational goals
- **Self-Awareness**
  - Recognize the importance of self-confidence in handling daily tasks and challenges
  - Evaluate personal, ethical, safety, and civic impact of decisions

Objectives:
- Help prepare students to use chromebooks, applications, and key functions for personal and educational enrichment by introducing the concepts and terminology of technology and the appropriate and effective use of the computer as a learning tool.
- Introduce students to the digital tools and creative tools to access, manage, evaluate and synthesize information to support the learning process and foster collaboration.

OPTIONAL Lesson 1: Keyboard Shortcuts	**OPTIONAL Lesson 1 Activity** Keyboard Shortcut Reference Posters ➔ Chromebook Keyboard Shortcut Posters **Remote Option:** Practice this tool on your device. **In-Person Option:** Practice this tool on your device.
OPTIONAL Lesson 2: Search Engine Resources (Google, Kiddle, KidRex)	**OPTIONAL Lesson 2 Activity** **Remote Option:** Choose a topic to research on the different search engines. **In-Person Option:** Choose a topic to research on the different search engines. Topic Ideas: Animals Fruits Vegetables
OPTIONAL Lesson 3: Resources for more practice with typing	**OPTIONAL Lesson 3 Activity** Typing Practice Sites ◆ https://www.freetypinggame.net/play9.asp ◆ https://www.learninggamesforkids.com/keyboarding-games/keyboarding-games-typing-adventure-1.html

	◆ https://www.turtlediary.com/game/multiplayer-basketball.html?topicname=beginner ● Students can play against one another **Remote Option:** Visit a typing/keyboard practice website. **In-Person Option:** Visit a typing/keyboard practice website.
OPTIONAL Lesson 4: Useful Extensions for Chrome: Dualless & Emoji Keyboard	**OPTIONAL Lesson 4 Activity** **Remote Option:** Practice/explore tools on your device. **In-Person Option:** Practice/explore tools on your device.
OPTIONAL Lesson 5: Using Email	**OPTIONAL Lesson 5 Activity** **Remote Option:** Send an email to your teacher. **In-Person Option:** Send an email to your teacher.

Suggested Resources/Extensions:
  ➔ Chromebook Keyboard Shortcut Posters
  ➔ More Typing Practice
    ◆ https://www.freetypinggame.net/play9.asp
    ◆ https://www.learninggamesforkids.com/keyboarding-games/keyboarding-games-typing-adventure-1.html
    ◆ https://www.turtlediary.com/game/multiplayer-basketball.html?topicname=beginner
      ● Students can play against one another	