



“Click, Tap, Zoom- How Technology Has Changed Over Time”

Participant Name:	Alyssa Flanagan
District:	Massena Central School
Grade Level:	2nd Grade
Subject/Course:	Computer Science / Social Studies
Cross-curricular Link:	Social Studies
Approximate Time (IN MINUTES):	30-45 minutes

CONTENT AND SKILLS	
Learning Objectives:	- Students will identify different types of technology used for communication. - Students will compare and contrast how communication technology has changed over time. - Students will discuss how technology will change in the future.
Essential Questions:	How has technology, especially computers, changed the way we work, communicate, and live today?
Students’ I can statements . . .	- I can identify different types of technology that help people work and communicate. - I can compare old and new technologies to see how they have changed over time. - I can explain how technology has made life and work easier or faster.
How will you meet the needs of SWD and ELL/MLL students?	- Structure the groups and partners to make sure that the SWD or ELL students are paired/grouped with other students who can help provide support during the small group/partner work time. - Frequent checking for understanding throughout the entire lesson. - Use visuals: pictures of the technology being discussed, a venn diagram for comparing and contrasting old vs. new, show videos of how the technology is used. - Use a modified language to go over key concepts in the lesson. - Use sentence starters to help these students to participate in discussions.
NYS COMPUTER SCIENCE AND DIGITAL FLUENCY STANDARDS List all standards that authentically align (e.g., K-1.CT.4)	
2-3.IC.1 Identify and analyze how computing technology has changed the way people live and work.	
OTHER SPECIFIC STANDARDS (e.g., Content, SEL Benchmarks) List all standards that authentically align https://www.p12.nysed.gov/sss/documents/SELBenchmarks2022.pdf	

- RI.2.1 (Reading Informational Text) – Ask and answer questions about key details in an informational text.
- SL.2.4: Describe people, places, things, and events with relevant details, expressing ideas and feelings clearly.

INSTRUCTIONAL PLAN

List the steps of the lesson, including instructions for the students.
Add and highlight Standard Indicator next to activity that aligns

1. Have students come to the carpet to participate in a whole group discussion. As students are sitting, start asking some questions to get them thinking.
-Do you have a phone, tablet, or computer at home?
-What do you use your phone, tablet or computer for?
-Can you think of any tools or machines from the past that are different from the ones we use today?
2. Go through the slideshow showing pictures of old and new technology. (computer and phone) Draw a venn diagram on chart paper or a white board. While discussing, fill in the venn diagram with student responses. Have students talk about what is similar and what is different between the pictures. Ask them how the new technology is better than the old technology? Why is it better?
(use on the clock, wait time and think-pair-share during the whole group discussion time)
3. Have students break into groups and give them each a spot to work in the room. Provide each group with 4 venn diagrams. On the board project up pictures of past and present technology. Students will then use the venn diagrams to compare and contrast the pictures. Have students discuss why the newer technology is better and how it is used more efficiently now.
(cameras, music, video games, and maps) For each picture give about 3 minutes
4. Bring all students back to the carpet with their venn diagrams. Have a discussion and ask what each group noticed was similar and different. Pull up the pictures and have students discuss why the newer technology is better.
5. Start to wrap up the lesson with another discussion:
What would be hard to do without computers or phones?
How do you think technology will change in the future?

SPECIFIC NEEDS: MATERIALS / RESOURCES / TECHNOLOGY

Add additional resources needed for this lesson such as instructional technology templates, images, videos, etc.

- Google Slides: Click, Tap, Zoom
[Click, Tap, Zoom](#)
- Venn Diagram Worksheet- print 4 per group
[Venn Diagram Worksheet](#)

