WHAT ARE HARDWARE AND SOFTWARE ISSUES?

Time Frame: 40 minutes
Grade Level: 1

CONTENT AND SKILLS
Learning Objectives: ● Students will be able to define the word issue. ● Students will be able to determine if it is a hardware or software issue. ● Students will be able to draw a picture of a hardware or software issue they learned or have experienced. ● Students will be able to write a sentence to explain their issue.
Essential Questions (optional): ●
Students I can statements . . . ● I can identify a software issue. ● I can identify a hardware issue. ● I can illustrate and write about a hardware or software issue.
How will you meet the needs of SWD and ENL students? ● Review IEPs to ensure appropriate accommodations are in place. ● Provide visuals to support vocabulary
Content Standards List all standards and how learners will meet the standard
● 1SL1a: Follow agreed-upon rules for discussions and participate by actively listening, taking turns, and staying on topic. ● 1SL6: Express thoughts, feelings, and ideas clearly, using complete sentences when appropriate to task, situation, and audience.
NYS Computer Science and Digital Fluency Standards List all standards and how learners will meet the standard
● K-1. NSD.3 Identify basic hardware and/or software problems.
CASEL COMPETENCIES and/or NYS SEL BENCHMARKS
● 1A.1b. Demonstrate control of impulsive behavior. ● 1A. 2c. Demonstrate control of behaviors that interfere with time on task. ● 2C.1b. Demonstrate adaptability and appropriate social behavior at school.

INSTRUCTIONAL PLAN

monroe one
EDUCATIONAL SERVICES

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List the steps of the lesson, including instructions for the students. *How will you make sure this lesson is culturally responsive?*
- The teacher will use the [PowerPoint](#) to explain what hardware is.   - The teacher will use the PowerPoint to explain what software is.   - Teacher will define the word issue.   - Teacher will help further define use examples of hardware issues in the PowerPoint.   - Teacher will express the importance of how hardware and software must work together.   - Teacher will explain that software usually tells users about issue. It is important to tell the students that software indicates an issue; however, the solution does not always lie with software alone. Explain to the students that sometimes the software may alert the user of an issue that is both hardware and software related.   - Teacher will pass out whiteboards and dry erase markers.   - Teacher will read a scenario to the class. Students will decide if it is a hardware issue or the software is indicating an issue. Students will then individually write H or S on their whiteboard. <mark>K-1. NSD.3</mark>   - Teacher and students will discuss answers before moving to the next scenario.   - Upon completion of all scenarios, students will then complete the independent work. Teacher will explain that they are to write about an issue they have learned about today or one they have experienced themselves. <mark>K-1. NSD.3</mark>

BACKGROUND OR PRIOR KNOWLEDGE
Although it is not required, most students will have some background experience with issues from home and/or school prior to this lesson.

INSTRUCTIONAL TECHNOLOGY INTEGRATION
PowerPoint

MATERIALS / RESOURCES   Add additional resources needed for this lesson such as templates, images, videos, etc.
[PowerPoint](#)   [Independent Practice](#)   - Dry erase markers   - Whiteboards