

Grade: 1st grade

Subject: Science

Topic: Sound

Standard: 1-PS4-4 Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance

Tools: Padlet and Specdrums

Implementation: We will begin our lesson by learning about how there are many devices and objects that can be used to communicate, such as lights, Morse code, taps, et cetera. I will show the students examples of each and will ask them to think about other ways and/or devices that they could communicate. I will then show the students how to use the Specdrums to make different sounds. The students will then split up into groups of four and will have one set of Specdrums per group. They will be tasked with creating their own method of communicating using the Specdrums. They will be expected to create a way of saying things like “hello”, “goodbye”, “How are you?”, and appropriate responses. They can also make up communication methods for other school appropriate phrases. I will walk around and monitor the groups and ask guiding questions to keep them on task. These may include asking them if they have their basic questions created, what their other ideas are, et cetera. They will then post to the Padlet discussion board a guide for using their communication.