Have you completed The Pre-course Survey and Lesson 1?

Have you obtained a MS log-in (email), setup ONE DRIVE and created a ONE NOTE Notebook? Have you sent me a link to inspect this notebook??

Unit 1: Lesson 2 - Sending Binary Messages

Background

One of the simplest forms of communication is the transmission of a binary message. Interestingly enough, "binary" is not a computing term. The word "binary" is used to describe something that can be in one of only two possible states. For example, the question, "Do we have a quiz today?" is a binary question, as there are only two possible responses: "yes" and "no." In fact, any question that can only be answered with a "yes/no" or "true/false" or something along those lines would be considered a binary question. It is also possible to make a question binary by limiting the acceptable responses to two, as in, "Which do you prefer: Coke or Pepsi? Country music or hip hop?"

Vocabulary

* Binary Question: a question to which there are only two possible answers.
* Binary Message: a message that can only be one of two possible values.

Lesson

* Think of a message that can be communicated with such a simple method.
* Build a device from everyday objects to communicate the message across the room.
* Work with your teammates in an iterative design process of rapidly building and improving your device.

Resources

* [Binary Message Devices](https://docs.google.com/document/d/1kp1DYhJLR4mLR0ZvWabxZY5OJHOU4ZlW_c2fOlbZyAU/edit?usp=sharing) - Activity Guide ([download](https://docs.google.com/document/d/1kp1DYhJLR4mLR0ZvWabxZY5OJHOU4ZlW_c2fOlbZyAU/export?format=pdf))
* [Binary Message Devices](https://docs.google.com/document/d/1pQ5p19TBzvPXr02v-ZTjocwGy0uNjSR-CvTnueQ8fo0/edit?usp=sharing) - Rubric ([download](https://docs.google.com/document/d/1pQ5p19TBzvPXr02v-ZTjocwGy0uNjSR-CvTnueQ8fo0/export?format=pdf))