

Student Science Journal

1.3.4

Communicating with Sound and Light



Name

Episode #1



Why do cars pull over for an ambulance?

How do cars know to pull over when an ambulance is coming?

What was being used to communicate.	What was it telling you?

Construct an explanation to describe how light and sound are used to communicate information over a distance.

Draw a model of how a device uses can use light or sound to communicate over a distance.

Episode #2

When have you needed to get information across a distance and were not able to?

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What are the criteria?

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What are the constraints?

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Define a problem you want to solve.

Draw a picture of your design. Label and describe how you are using light or sound to communicate over a distance.

Write a code for your device. What does the light or sound mean?

Code:

Write an argument for how your structure is a solution to the problem.

Presentation

What was your defined problem?

What was your design?

Did it solve the problem? How do you know?