Name: _____   Date: _____   Period: _____

Observing the Unknown Activity

Engaging Question: If humans did not have eyes, how would we navigate through our world?

My Thoughts: _____

_____

Team Member Thoughts: _____

_____

Modeling Activity, Mystery Box _____: Work with your group to determine the shape(s) of the obstruction inside your container. Be sure to agree upon & take periodic breaks in order to map out (draw) your own ideas about your maze. Use different techniques & different levels of energy to determine your shape(s). After your group has finished testing the container, discuss your ideas & come up with a Group Idea first. Then take an individual approach to find locate the shape(s) identity:

          Group Ideas (*NO HANDS)   My Idea (**With HANDS)

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Analysis:

1. Explain how you came up with the shape of the maze without actually seeing what was inside the container? Be specific with your answer.

_____
_____
_____

In the space below, model what you just explained (remember to use the good modeling strategies that we have discussed this year):

2. If you were to move the container harder and/or faster (i.e., different levels of energy), would that have helped your group determine the shape quicker? Why or why not?

_____
_____

3. Compare your final models with the models created by your group. Describe some of your ideas for determining the shape of the maze as a group. How close were your individual idea vs. your team's idea?

_____
_____
_____
_____

4. What are some ways that you use echolocation in your daily life? Provide at least two examples, and explain each.

a. _____
_____

b. _____
_____