

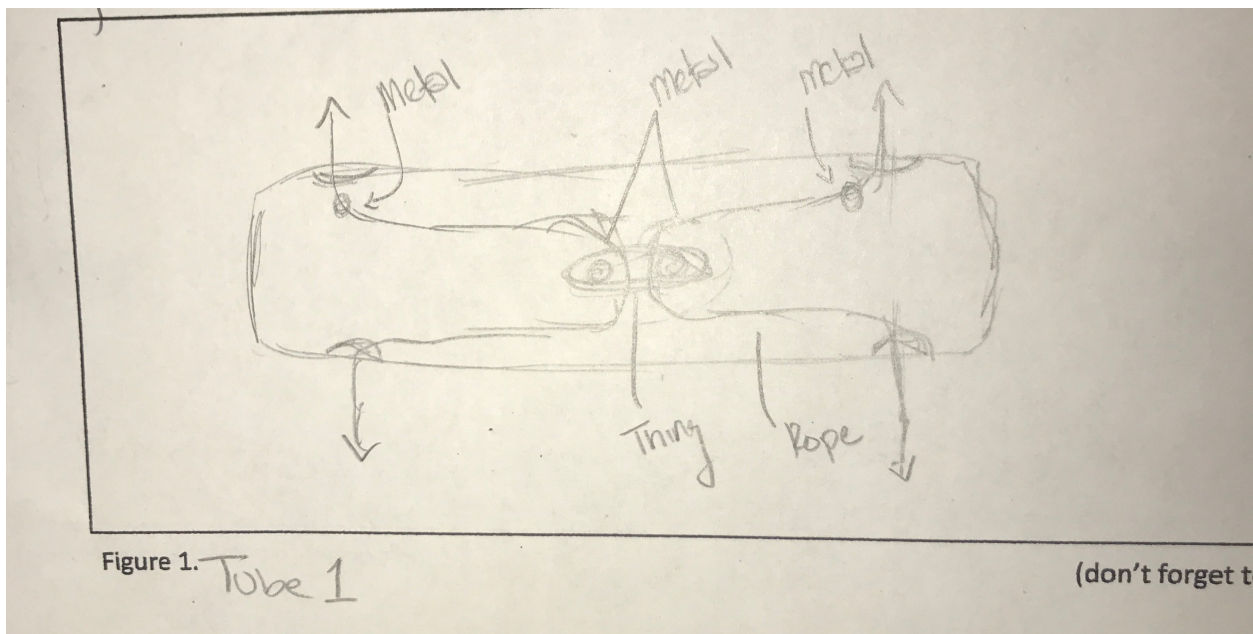
The Scientific Method Stick

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Background info:

This project began to understand the scientific method. How models work to be able to create projects that have some impact. Developing an understanding about the accuracy of

models and projects. The theory of the scientific method and the steps that follow within it must support this project in order to understand the fundamentals of this project. There will be a scientific method stick to help develop the understanding of this theory supporting and surrounding this project.

Introduction:

The purpose of this lab was to understand the fundamentals of the scientific method. Trying to answer how the ropes were moving within the tube and why. With the ability to grasp the base of understanding the scientific method, and those steps that follow within as scientist do for more complex projects. This project was able to slow down the process instead of rushing. Giving the opportunity to observe, and question what's within the tube and the method.

Hypothesis:

Studying the movement of the ropes as they influence each other with every movement. Hypothesizing the scientific method stick to have a connection within bringing together the rope of each end. The rope at each end being the same with two different sides creating a loop in the middle. Without this scientific method stick the understanding of the scientific method would be unknown to those finding a create way of gaining knowledge. From the full potential of the scientific method.

Design:

Based on prior knowledge about the scientific method stick which was created from observations. The scientific method stick has two ropes at the end of the tube that are

connected with the opposite side through some unknown metal object with metal knots within.

In order to answer the problem of how the ropes are moving and why, the steps that follow within the scientific method must be accomplished.

Materials:

| Item | Quantity | Function |
|-------------------------|----------|----------------------|
| Scientific method stick | 1 | Observation |
| Magnet | 1 | Detect for any metal |

Procedure:

- Observe the scientific method stick's features and objects, record observations.
- Observe the scientific method stick's ropes, record observation.
- Create a model form prior knowledge
- Observe the scientific method stick's tube to recognize any unknown objects, record observations.
- Use magnets to detect any metals within, record observations.
- Create a model based on any newly learnt observations.
- Open scientific method stick and reflect.

Data Analysis:

When recording observations, it seemed that the ropes at the same end were connected continuously moving each other, and stopping when another would reach full

capacity. Eventually moving the rope at the opposite end. This continues to move for all the ropes. Including the movement of some unknown metal object at each end seeming to have some unknown function. These patterns exist because of some unknown object connecting all the ropes allowing them to move very unusually (the object seemed to be an electrical wire connector) . When finishing the observations and opening the stick. The hypothesis was seen to be able to support this quest with only prior knowledge. The model and hypothesis was exactly right except for acknowledging the exact object that connected the ropes. The hypothesis leaving the object as unknown.

Conclusion:

This project creates a base of the fundamentals for understanding the scientific method, and coming to the results even without knowing everything about model or project. Able to reflect on different projects or models and able to understand that it won't be completely accurate, but it'll be enough for understanding the question. Some improvements that could be made is jotting more observations to be more specific. In the future, a research on another scientific model can be used.