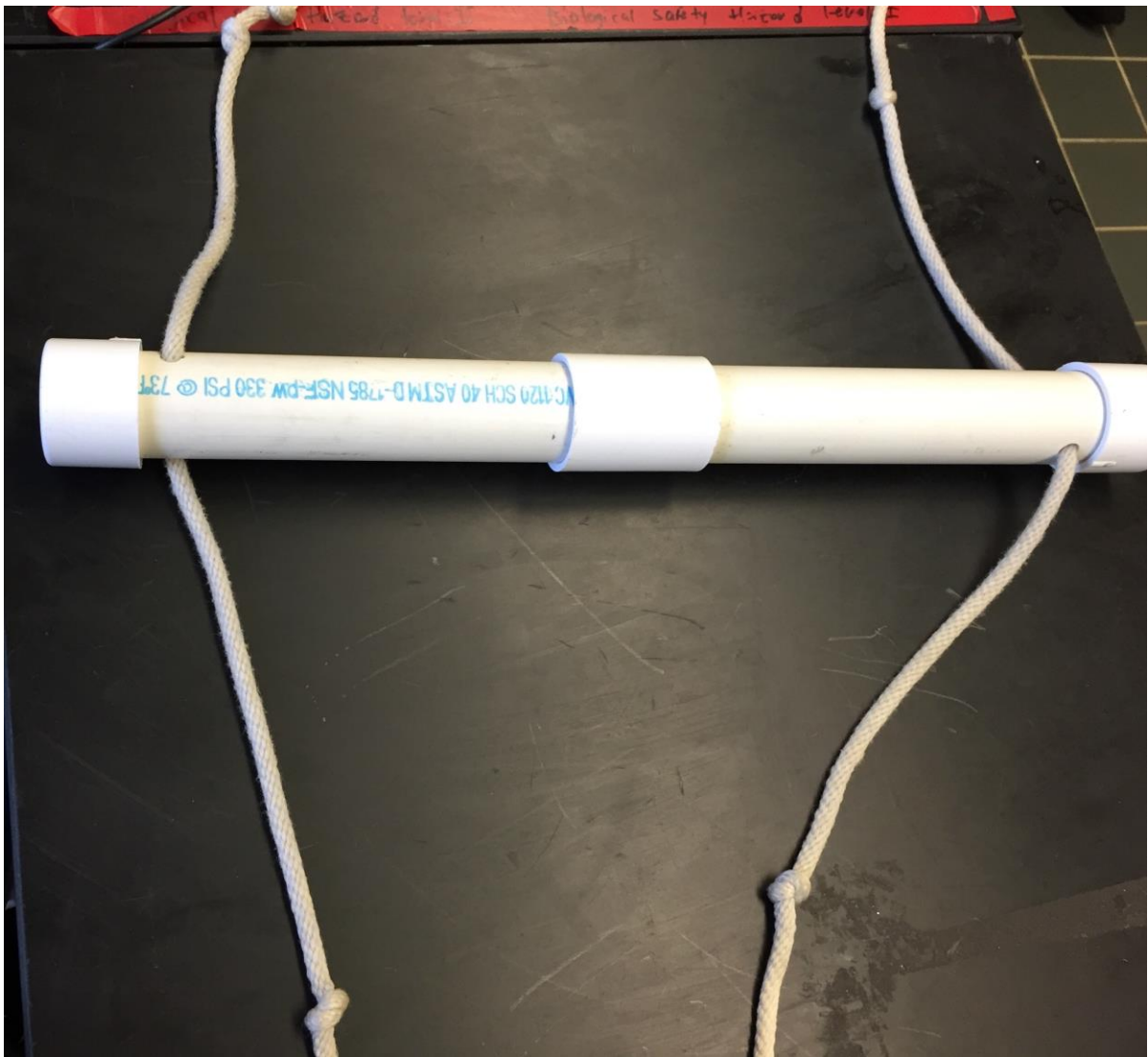


Scientific Method Stick

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I. Introduction

While working with the scientific method stick the problem being solved is how the scientific method stick works. This problem will challenge you to use your creativity and push you to use your mind and many different processes to figure out how the stick actually works. This project will show how the scientific method stick works and how creative and determined you are as a worker. An initially hypothesis was that there were 2 ropes connected in the middle with just a plain ball or clip connecting 2 ropes. (before drawing out a first hypothesis).

II. Background Research

Before working with the scientific method stick it is shown that there are strings and something inside of the tube that maneuver the strings in the way that they do. Before starting your experimentations just looking at the method stick it reveals that there are also two tubes and a middle piece connecting the two tubes.

III. Hypothesis

A starting hypothesis was there was an attaching object that was connecting the two ropes. A second hypothesis and the first drawn out hypothesis was if one side was pulled and the other side comes and the one directly below it would also come toward the one your pulling, then there has to be two connecting sources because if there was only one then only the one below it would've come with the rope that was pulled on. A second hypothesis was that there was one clip connecting two ropes in four different holes that loop around the back causing all rope sides to follow. And a final hypothesis was that if

the scientific method stick works the way it does there are 2 magnets with whole connected together through there magnetism allowing the ropes to be pulled back and forth and allowing up and down.

IV. Materials

Item	Quantity	Function
Scientific Method Stick	1	Given Task
Magnet	1	Test if there is anything magnetic inside stick.
12'' Ruler	1	Measure objects inside stick

V. Procedure/Variables

While working with the scientific method stick there are a number of processes. Starting by just pulling one only one rope at a time and you make your first diagram and hypothesis. After working with that the next step is pulling two strings at a time. After pulling two strings at a time a click sound occurs and all of a sudden the sound of two different objects, is inside the stick. The next thing to do is to open the stick.

VI. Results

When the scientific method stick is open you see that two ropes are attached to two

different rings, one on one ring, one on the other, then attached by a clip. The clip makes the rings seem like it was just one ring. This causes it to pull the string below it and also pull the ones toward the other side because they are all connected together.

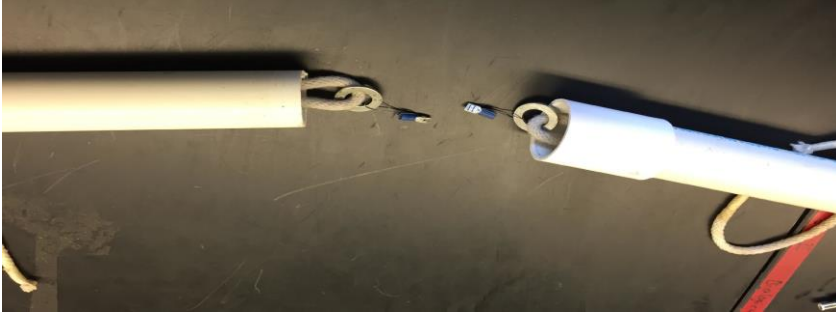


Figure 01. This is a picture showing what happens when the scientific method stick is opened.

This pictures shows when you open the stick what is actually going on inside of it. You can see the two rings attaching the strings and the clip that actually clips the strings together.

VII. Analysis

The way the scientific method stick works is that there are two strings 2 metal rings and a clip connecting the strings together making it seem like they are connected. The way the stick works is when a string is pulled all the strings go into the tube as the one gets bigger because the side below or above it is the same string and the connection of the strings with the clips make it as if there actually connected pulling the one side to the next. But when pulling on two strings at once a little click sound will be present and the string will fell much lighter to pull on. This is because pulling on both side causes the strings too disconnect from each other. And too prove the strings on each side are the same string without opening the stick, marking the string then pulling shows the mark coming right out of the other side.

VIII. Conclusion

In the scientific method stick experiment the problem to be solved is how the scientific method stick operates. The hypothesis was incorrect because there was a connected source in the middle of the stick but there were also two rings that were connected to the clip and also connected to the rope. Also the rings were magnetic because if the magnet is turned around it doesn't force away like any other magnet – magnet would. This project can affect in the big picture because it will show how creative and determined people are too work and it will give people a more science life way of thinking by more questioning and more thought. In the future more determination and investigation will be put into researches and to become more open minded when working with tricky things like the scientific method stick because in the real world you have to use the scientific method to prove logic.