



MATERIALS LIST

INTRODUCTION

This materials guide will be used with the seven week STEM Club meetings put together by Cascade Pacific Council. Each meeting covers a specific topic and will feature a fun activity to reinforce learning.

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- Master Supply List for Seven Weeks of Program

HOW TO USE THIS GUIDE

Find the week and topic that your leader has asked you to prepare for. Gather the materials and have them ready to complete the activity during the meeting.

WEEK 1

UNCOVERING THE PAST

HOT DOG MUMMY

- 1 Hot Dog
- Large Box of Baking Soda
- 1 Plastic Container with Lid
- Ruler

WEEK 2

SWING!

CATAPULT MAKING

- Ruler
- Masking or Painters Tape
- Marker or Hard Round tube (like a small pvc pipe)
- Screw on bottle cap
- Buttons or Coins (for launching)
- Spoon

WEEK 3

UP & AWAY

TERMINAL VELOCITY TESTING

- Tall Clear Tube (like tennis balls come in or tall empty water bottles)
- Enough Corn Syrup to fill the tube
- Two Same Size Different Weight Objects (like a marble and other object of same size, but different weight, such as a ball bearing weight)

WEEK 4

OUT OF THIS WORLD

BUILD A SEXTANT

- Drinking Straw
- Protractor
- String (approx 6 inches)
- Steel Washer (or other small weight, like a paper clip)
- Tape
- Map or Website to look up latitudes (after the meeting): www.latlong.net works great

WEEK 5 WILD

CONTAINER GARDEN

- Scissors
- 2 liter bottle
- Dirt
- Rocks
- Some seeds (or a small re-potable plant)
- 9 pieces of string about 14 inches long each
- 2 coffee filters
- Sharpie (or other marker)

WEEK 6 CUB SCOUTS CAN CODE

READING CODE

- Deck of Cards
- 1 Piece of Paper

WEEK 7

FEARFUL SYMMETRY

SYMMETRICAL ART

- 3-5 Pieces of paper
- Paint (3-5 colors)
- Paintbrush

STEM CLUB

MASTER SUPPLY LIST

- 1 Hot Dog
- Baking Soda (1 large box)
- 1 Plastic Container with lid
- 1 Ruler
- 1 roll Masking or Painters Tape
- Marker or Hard Round tube (like a small pvc pipe)
- 2 Liter Bottle with Cap
- Buttons or Coins
- Spoon
- Tall Clear Tube (like tennis balls come in)
- Enough Corn Syrup to fill the tube

STEM CLUB

MASTER SUPPLY LIST

(CONTINUED)

- Two Same Size Different Weight Objects (like a marble and other object of same size, but different weight, such as a ball bearing weight)
- Drinking Straw
- Protractor
- Steel Washer (or other small weight, like a paper clip)
- Scissors
- Dirt
- Rocks
- Some seeds (or a small re-potable plant)
- 9 pieces of string about 14 inches long each
- 1 Piece of string about 6 inches long
- 2 coffee filters
- Sharpie (or other marker)
- Deck of Cards
- 5-10 Pieces of paper Paint (3-5 colors)
- Paintbrush



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