Four Student Examples of Testing Apparatuses and Procedure Write-Ups/Slides

Example 1

Our Apparatus

Procedure

Step One

Step Two

Step Three

Step Four

Step Five

Materials

- Bag Pop box (10x6x3.75)
- Box cutter
- Masking tape
- Marker/Pen

Example 1
Example 2

**Our Apparatus**

Here is a picture of the materials we gathered and used in the making of our apparatus.

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**Materials**

- Pencil
- Tape
- Ruler
- Petri dish
- Scissors
- 22.86 x 13.51 centimeters sheet of cardboard
- 22 pencils
- Wooden growy box (10% more free)
- Sample template

**Instructions**

1. Cut tops off growy box
2. Cut cardboard piece to dimensions of frozen box opening rectangle
3. Measure cut diameter for flashlight and light sensor
4. Cut out holes for flashlight and light sensor
5. Keep all extra cardboard pieces to cover up outside light coming into the apparatus while samples are being tested.
Example 3

Our Bioplastic Apparatus

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**Example 3**

**Step One**

We measured a Sour Patch Kids box, and it was 20cm long, 15cm high, and 10cm wide. We then cut a 10cm long and 5cm wide cut in the middle of the side of the box.

**Step Two**

We cut two tissue paper rolls size holes in the center of the box top with a centimeter space between the holes.

**Step Three**

We covered one hole on each of the two paper rolls with masking tape.

**Step Four**

We taped the rolls in the holes that we previously cut in the box with masking tape inside the box with enough room for the petri dish to fit.
Example 4

Making the Apparatus

Step 1: Gather all materials needed
- Cardboard Box
- Masking Tape
- Scissors
- Tin Foil

Step 2: Cut of the Flaps

Step 3: Measure the whole box

Step 4: Cut a Door on the box big enough to fit your hand

Step 5: Cut two small holes on the top of the box to fit the

Length: 22.1 cm.

Step 6: Tape the cracks of the box and the door

Use masking tape to cover all of the cracks. You need to make sure that you can keep as much light as possible out.

Step 7: Add tinfoil inside of the box

Tape the tinfoil on the top and inside of the box. Make sure it covers the whole top of the box.