

Beavers My Skills Challenge Award

Invent A Machine And Show Other Beavers How It Works

The Inventors[©]

By Samantha Eagle

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Beaver My Skills Challenge Award

Invent A Machine And Show Other Beavers How It Works

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Overview

For this activity the children will work in teams to 'invent' a machine or toy.

Week Before The Meeting

The children need to be informed in the previous meeting regarding the objects they have to bring in to the next meeting for this activity. Ask each child to bring in one or two used junk items from their home. I've put a list of example items on a separate page for you to print out to give to their parents.

Preparation Before The Meeting

1. Print out a copy of the example junk sheet - found in this document. There are 3 on the page to save paper you need a copy per child
2. Print out a copy of the example inventions - found in this document. You need a copy for each team of three

Leader Speak The Week Before

The next task you need to do for your My Skills Challenge Award is to invent a machine. So next week you are going to work in teams as inventors. You will try to invent a machine or a toy using old materials found at home. I will give you a letter to give to your parents that explains what you need to bring in. (the size of the team will depend on your numbers but about 3-4)

Materials Needed

In addition to the items that the children will bring in here's a list of items to be arranged by the leader. You may want to bring in a couple of items from the home list in case some children forget.

This list is a set for each team

- | | | |
|-----------------------|---------------|-------------------------|
| • Pieces of thin rope | • Stapler | • Old |
| • Glue | • Safety pins | Newspapers/magazines |
| • Rubber Bands | • Tape | • Pens, Crayons/Colours |

Preparation At The Meeting

1. Arrange the items brought in by the leader on each teams table
2. As the children arrive get each team to put their items in a pile on the floor near their table

Leader Speak/Directions

1. **Speak** – As I mentioned last week the next task for you 'My Skills Challenge Award' is to invent a machine. So today we will all find the inner hidden inventor in each of us. I think you can all create something fascinating! You have 50 minutes to come up with your invention then we will look at what each other has created
2. **Speak** - Take your time to plan your invention as a team before you start to build. Make some sketches and list the functions before you start

Optional

You may want to have a competition at the end. You can get some external judges to judge the inventions either on the same night or the following week.

Example Inventions by Other Inventors!

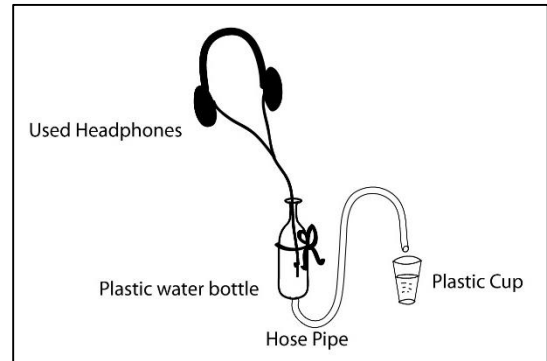
THE SPOON CATAPULT



THE JELLYBEAN DISPENSER



THE DREAM DISTILLER



Example Inventions by Other Inventors!

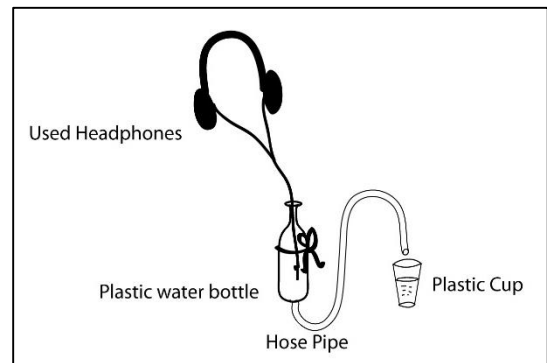
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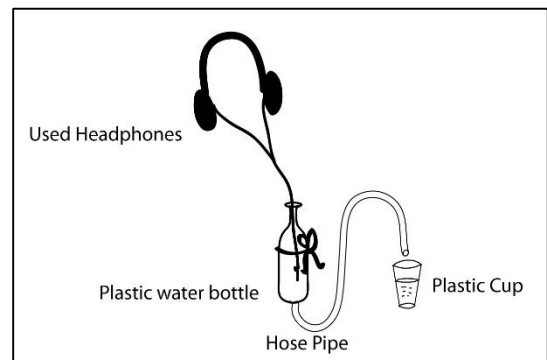
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THE DREAM DISTILLER



Inventors®

Next week your child will be working in a team as 'Inventors'. They will be inventing a machine or toy. This will go towards their 'Skills Challenge Award Badge'. They will be doing this using unwanted items that they can find in your home. Please help your child gather two or three items to bring in for the activity. I have given you an example list below of some of the items that you may have.

- | | | |
|--------------------------|------------------------|------------------------------------|
| • Used Electric Wires | • Used candles | • Rubber Bands |
| • Ropes | • Cartons | • Old Audio Cassette Tape |
| • Soda Cans | • Broken earphones | • Plastic Cups |
| • Newspapers/magazines | • Water Bottles | • Straws |
| • Plastic Bags | • Used Cardboard boxes | • Old used plastic utensil/cutlery |
| • A piece of hose pipe | • Tissue Paper Rolls | • Used Air Freshener |
| • Used Caps | • Old T-Shirt | • Old tyre |
| • Empty medicine bottles | • Old Dog Collar | • Unused pieces of wood |
| • Used wool | • Old Shoe Laces | |

Please note the list above is just an example we are not expecting you to bring everything on this list just a selection of what you can.



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