

Spider Parachute STEM Challenge

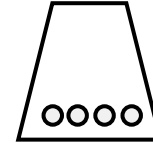
Created by Deirdre Smith of JDaniel4's Mom

Clip Art from 

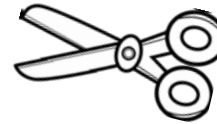
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Directions for Making the Spider

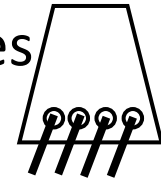
1. Punch four holes on either side of your paper cup.



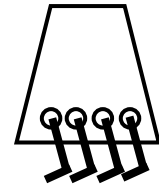
2. Cut two pipe cleaners in half. This will give your four pieces of pipe cleaner.



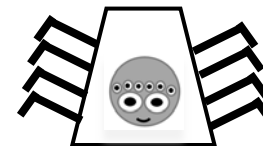
3. Thread each pipe cleaner half through the holes in the cup.



4. Bend the end of the pipe cleaners to make spider feet.



5. Glue a spider face onto the front of your cup.





Directions for the Spider Parachute Challenge

1. Tape two straws to either side of your cup.
2. Tape the other ends of the straw to a coffee filter.

Attempt three parachute drops.

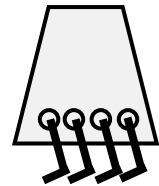
1. Keep the straws taped to your cup.
2. Tape the other ends of the straw to a cupcake liner.

Attempt three parachute drops.

1. Tape two popsicle sticks to either side of your cup.
2. Tape the other ends of the straw to a coffee filter.

Attempt three parachute drops.

1. Keep the popsicle sticks taped to your cup.
2. Tape the other ends of the straw to a cupcake liner.



Name: _____

Spider Parachute Drop Challenge

Things to Think About

- What is the best way to attach the parachute?
- What type of parachute helps the spider cup land with the opening on the floor?
- Do I need to add weight to the spider cup to get to land with the cup opening faced down?

Materials

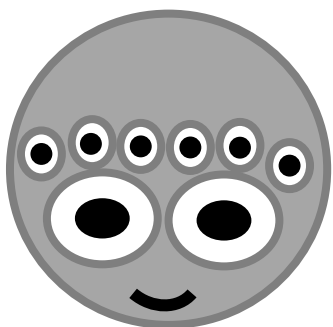
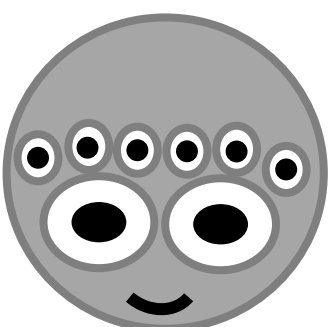
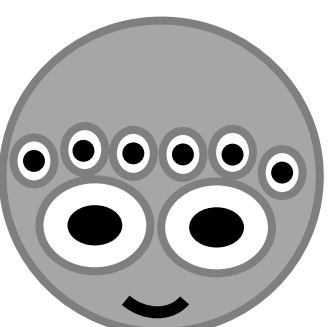
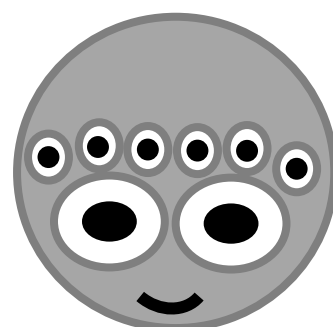
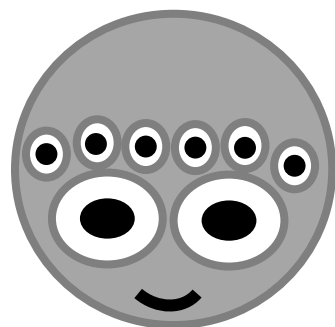
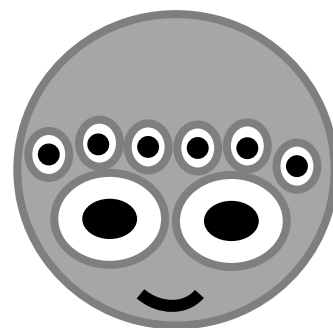
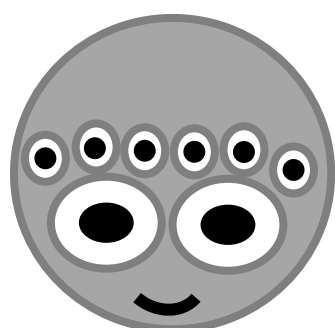
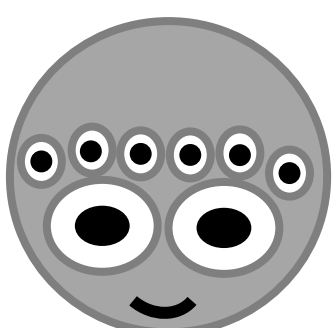
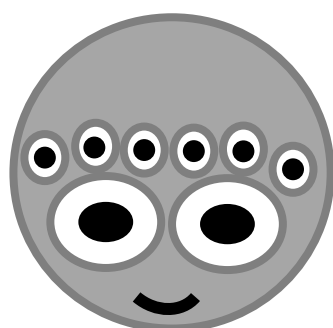
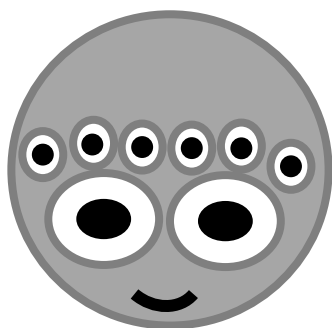
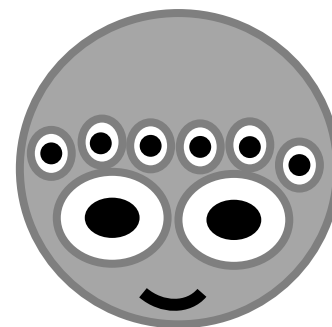
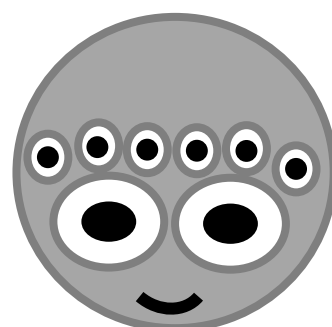
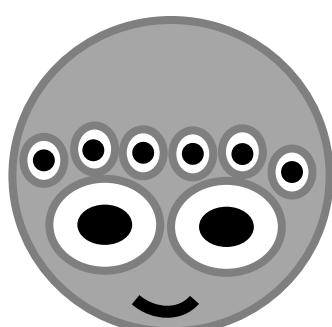
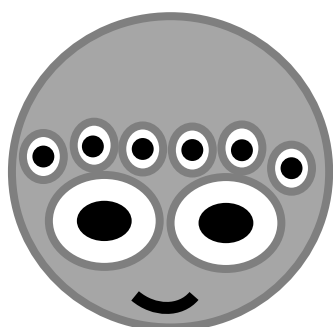
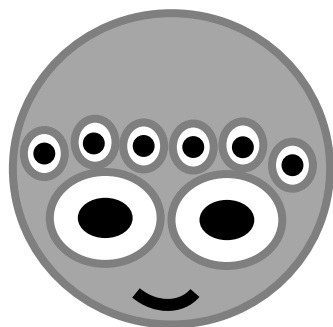
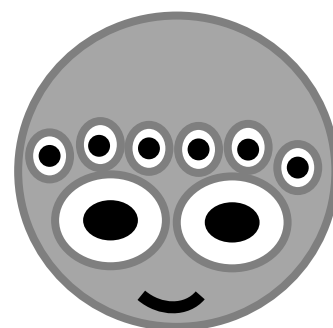
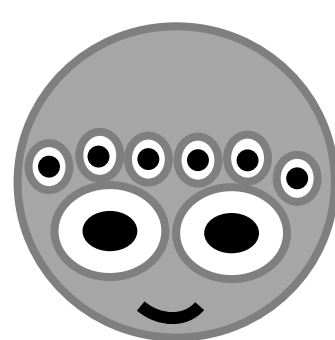
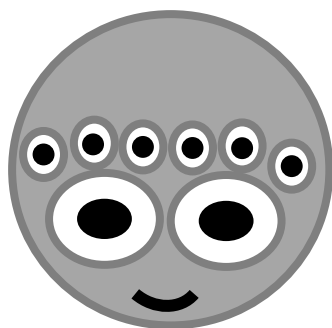
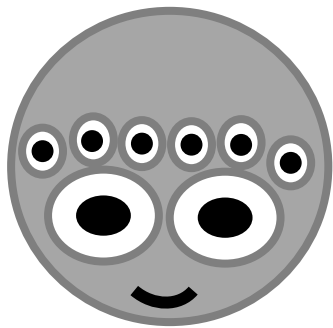
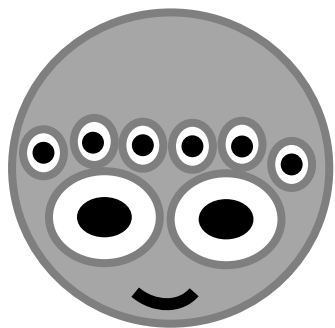
- Scissors
- Cupcake Liner
- Coffee Filter
- Small Paper Cup
- Hole Punch
- Tape
- Straws
- Popsicle Sticks
- Spider Face
- 2 Black Pipe Cleaners
- Paper Clips

Create a Parachute Plans

Results

	Cupcake Liner and Straw	Cupcake Liner and Popsicle Sticks	Coffee Filter and Straw	Coffee Filter and Popsicle Sticks
First Drop	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side
Second Drop	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side
Third Drop	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side	<input type="checkbox"/> Cup Opening Face Down <input type="checkbox"/> Cup Opening Face Up <input type="checkbox"/> Cup on Its Side

Conclusions:





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I hope your children enjoy this JDaniel4's Mom resource.

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What is in the set?

- 1 Spider Building Direction Page
- 1 Spider Parachute Direction Page
- 1 Student Planning and Recording Sheet
- Set of Spider Faces

How to Use This Activity Set

- You may want to go over the feelings displayed on the I Spy pages. You can do that by going through one of the sets of flashcards or going over the feeling displayed in the chart.
- Then you will want to have your children figure out how many of each candy corn face there is displayed on the page.
- Your children can write the number of faces found for each feeling with a number or a tally mark. There is one sheet for each way in the set.
- If you think your children will have trouble remembering that they have already counted a piece of candy corn you can have them color the candy corn as they count or put an x on them.