

MATERIALS LIST


Materials Needed Per Student/Group

UnPOPPable Baggies

- Ziploc Baggie
- Water
- Sharp round pencils

Which Glue Stick Brand Works the Best?

- 3 different
- paper

Which Ho  Flyer Design Will Travel the Farthest Distance?

Which Keep Your Hands the Clean

Tally

~~value sticks~~

Back to School Themed

Themed Science

Experiments

THE STICK BRAND WORKS THE BEST?

DESIGN WILL DISTANCE?

Materials

- 3 Different G
- Stick Brands
- Paper

What's Included?

- Materials Page
- Student Recording Sheets that include the materials and procedure
- 5 Science Activities:
 - Which Glue Stick Brand Works the Best?
 - Which Hoop Flyer Design will Travel the Farthest Distance?
 - Which Keeps Your Hands the Cleanest?
 - UnPOPpable Baggies
 - Tallest and Strongest Cup Towers

3. Leave in one place to dry.

4. Once the papers are dry, observe which ones have stuck together the most. Record your observations below.

- 3 Different Glue Stick Brands
- Paper

	Brand #1: _____	Brand #2: _____	Brand #3: _____
Observations			

Teach Procedures and Scientific Method While Having Fun!

What glue stick brand will you win? Why? _____

What do you think causes the differences in glue sticks? _____

What control variables did you keep the same during this experiment? _____

Materials Needed

- Which Glue Stick Brand Works the Best?
 - 3 Different Brands of Glue Sticks, Paper
- Which Hoop Flyer Design will Travel the Farthest Distance?
 - Straws, Tape, Paper
- Which Keeps Your Hands the Cleanest?
 - Bread Slices, Hand Sanitizer, Soap and Water, Baggies, Marker
- UnPOPpable Baggies
 - Ziploc Baggie, Water, Sharp Round Pencils
- Tallest and Strongest Cup Towers
 - Cups, Measuring Tape, Textbooks

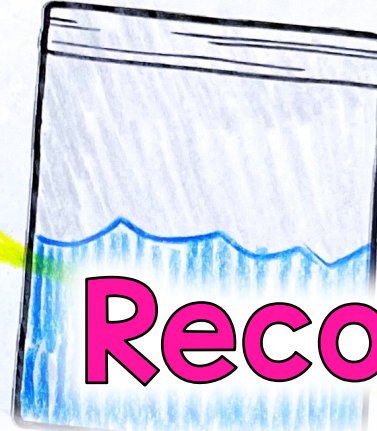
Name: _____

UNPOPPABLE BAGGIES

Materials:

Water
Ziploc Baggies
Round pencils

Procedure:
1. Before



Draw a picture of your bag after you've completed these steps!

**Record
Observations &
Draw Conclusions
On the Recording
Sheets**

3. STOP! Make a prediction when you push a pencil through the bag or water!
I predict _____ bag.
4. Hold the top of the bag with one hand. Push the pencil right through one side and half the bag. Be careful not to push the pencils through the holes or you'll end up with a mess on your hands!
5. If you are feeling brave, try this with as many pencils as possible.

What did you observe happen? The pencil went
through the bag, but water did not

Tips to Manage Science Activities

- Give students time to “explore” materials. If you give time to students to explore, play with, and get acquainted to the materials, there is less time wasted during the actual experiment.
- Have small group sizes so everyone can take on an active role in the experiment.
- Limit downtime. If students need to wait for results, give them a task like making a prediction, drawing and labeling their experiment, answering questions about observations, etc.
- Try the experiment ahead of time as a teacher.

Name: _____

TALLEST AND STRONGEST CUP TOWERS

Procedure:

1. Your goal is to create two different towers. First, you'll build the tallest tower possible using the cups give
2. Before beginning, take a few minutes to plan. Remember, you can't use your plan, that's okay. You'll have 10 minutes before time is called, try to make your tower actually look like the one you planned.
3. Now, you'll take those 10 minutes to create the tallest tower you can. When time is called, set the timer for 10 minutes to create the tallest tower possible.
4. Measure and record the height of your tower. You'll take those 10 minutes to create the tallest tower possible.
5. Once time is called, set the timer for 10 minutes to create the tallest tower possible.
6. After a 10-minute period, the number of books the tower can hold will be recorded.

plan for Tower

Final Tower

Name: _____

WHICH KEEPS YOUR HANDS THE CLEANEST?

Procedure:

1. Label each baggie "Untouched", "Soap and Water", and "Hand Sanitizer".
2. Place an untouched baggie in your pocket.
3. Wash your hands with soap and water for 20 seconds.
4. Touch other people's hands.
5. Close all baggies and place them in your pocket.
6. After a 10-minute period, the number of books the tower can hold will be recorded.

Sketch

Traveled

Sketch

Trial 1:

Trial 1:

Materials:

- Bread
- Hand Sanitizer
- Soap and Water
- Baggies
- Marker

Name: _____

WHICH HOOP FLYER DESIGN WILL TRAVEL THE FARTHEST DISTANCE

Procedure:

1. Cut strips of the paper and create a loop.
2. Tape loops on to the straw.
3. Create three different designs to see which one travels the farthest distance.

Design #1

Design #2

Design #3

Sketch

Trial 1:

Trial 1:

Why Should I Use Science Experiments During the First Week of School?

- Hands-on activities create a level of student buy in. There's motivation to learn and grow now that the student has enjoyed a learning activity.
- Experiments allow for great starting points for classroom discussion, problem solving, and interactions between students and teacher.
- Hands-on activities will also allow students to be social. This will be a great relationship building activity for students.
- Have fun with your students! They are able to see your personality and you are able to learn more about them, too.