

## Santa's Toothpaste

Name: \_\_\_\_\_

### Materials

- ½ cup of hyd
- 1 tablespoon
- 3 tablespoor
- Green food
- 1 tablespoor
- 2-Liter bo
- Small cup
- Measuring

### Procedure

Step 1: Add

bottle.

Step 2: Ad

swirl the b

Step 3: Ir

yeast tog

Step 4: F

watch wt

Make a r

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

observ

### Materials

- 1 ½ tablespoons of butter
- 2 cups of miniature marshmallows
- 3 cups of Rice Krispies Cereal
- Candy
- Saucepan
- Stovetop Burner
- Measuring Cups & Tablespoon

### Procedure

Step 1: In a large saucepan, melt butter over low heat.

Step 2: Add marshmallows and stir until completely melted.

Step 3: Remove from heat.

Step 4: Add cereal. Stir until

Step 5: Using wax paper, evenly

coated with cooking spray. Let it

observation below.

Step 6: Roll Rice Krispies into a s

your Rice Krispies Ornament with

Observations (Remember to

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Create Your Own Edible Ornament!

Name: \_\_\_\_\_



# Christmas Science Activities

# **What's Included?**

- ✓ **Which cookie will dissolve first in milk?**
- ✓ **Create your own edible ornament**
- ✓ **Santa's Toothpaste**
- ✓ **Build a Christmas Tree**
- ✓ **Candy Cane Strength**





## CHRISTMAS INVESTIGATIONS & EXPERIMENTS

- ❶ Which Cookie will Dissolve First in Milk?
- ❷ Create Your Own Edible Ornament
- ❸ Santa's Toothpaste
- ❹ Build a Christmas Tree
- ❺ Candy Cane Strength



# Materials Needed

## Which Cookie Will Dissolve First in Milk?

- Cups, cookies, milk, timer

## Create Your Own Edible Ornament

- Butter, Mini Marshmallows, Rice Krispies Cereal, Candy, Stovetop Burner, Saucepan, Measuring Cups

## Santa's Toothpaste

- Hydrogen Peroxide, Dry Yeast, Green Food Coloring, Liquid Dish Soap, 2 Liter Bottle, Small Cup, Measuring Cups

## Build a Tree

- Whatever supplies you have on hand: straws, cardboard, molding clay, cups, toothpicks, popsicle sticks, candy, etc.

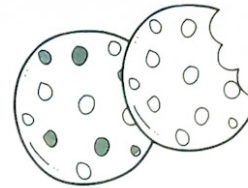
## Candy Cane Strength

- Candy canes, string/yarn, items to hang from candy cane,, balance to find mass, timer



Name: \_\_\_\_\_

## What Cookie Will Dissolve First in Milk?



### Materials

- 3 cups
- Milk
- 3 Different Types of Cookies
- Timer

### Procedure

**Step 1:** Pour the same amount of milk in the three cups.

**Step 2:** Place one cookie in each cup at the same time and start the timer.

**Step 3:** Record your observations below.

What cookie do you think will dissolve first in the milk? Why?

	Cookie #1	Cookie #2
Observations		
Time + Dissolved		



What cookie dissolved the fastest in milk? Think that happened?

Which cookie would you want to dip in milk?

# Engaging Activities

# Ideas for How To Use:

- Whole Group Demonstrations
- Science Stations
- Do one activity every day before holiday break
- Partner or Teamwork Activities
- Feel free to invite parents or volunteers in, too!
- Send home for family fun involvement



Name: \_\_\_\_\_

## Create Your Own Edible Ornament!

### Materials

- 1 ½ tablespoons of butter
- 2 cups of miniature marshmallows
- 3 cups of Rice Krispies Cereal
- Candy
- Saucepan
- Stovetop Burner
- Measuring Cups & Tablespoon



### Procedure

Step 1: In a large saucepan, melt butter over heat.

Step 2: Add marshmallows and stir until completely melted.

Step 3: Remove from heat.

Step 4: Add cereal. Stir until well coated.

Step 5: Using wax paper, evenly press mixture into a pan coated with cooking spray. Let it cool. Write your observation below.

Step 6: Roll Rice Krispies into a sphere shape and decorate your Rice Krispies Ornament with candy!

Observations (Remember to use your senses, but not taste):

The rice krispies became very sticky.

How did the mixture change after you combined the

# Practice Science Skills While Having Fun!

# Teachers like YOU say:

★★★★★ Extremely satisfied

Very fun and engaging activities for the season. Really enjoyed this resource.

★★★★★ Extremely satisfied

So simple and everything is easy to plan

★★★★★ 5.0

Looking through the stations, and I just can't decide what I want to do first!! The kids are going to love these!

★★★★★ 5.0

This seriously was the best science activities to do the week before break! The students were so engaged and were still learning! Will use this again next year!



## Santa's Toothpaste

Name: \_\_\_\_\_

### Materials

- ½ cup of hyd
- 1 tablespoon
- 3 tablespoon
- Green food
- 1 tablespoor
- 2-Liter bo
- Small cup
- Measuring

### Procedure

Step 1: Add

### Materials

- 1 ½ tablespoons of butter
- 2 cups of miniature marshmallows
- 3 cups of Rice Krispies Cereal
- Candy
- Saucepan
- Stovetop Burner
- Measuring Cups & Tablespoon

### Procedure

Step 1: In a large saucepan, melt butter over low heat. Add marshmallows and stir until completely melted.

Step 2: Add cereal and stir until completely coated.

Step 3: Pour mixture onto wax paper and press evenly.

Step 4: Let it cool. Write your name on the ornament.

Step 5: Roll Rice Krispies Ornament with your hands.

Step 6: Use your sense of touch to observe the combined mixture.



**Purchase now to keep  
your students engaged  
before break!**



Chloe Campbell  
EDUCATION

## MATERIALS LIST

Activity	Materials Needed Per Student/Group
Jelly Bean Tower	<ul style="list-style-type: none"> <li>Toothpicks</li> <li>Jelly Beans</li> </ul>
What liquid will dissolve marshmallow Peeps the most	+ liquids

What liquid will change an egg the most: water, vinegar, or ...

# EASTER SCIENCE INVESTIGATIONS & EXPERIMENTS

# THANKSGIVING SCIENCE

Turkey Balloon Rockets

name \_\_\_\_\_

Materials

- Yarn
- Balloons
- Plastic Straw
- Tape
- Scissors
- 2 Chairs
- Construction Paper
- Feathers

Procedure

1. Create a turkey with construction paper.
2. Tie or tape the yarn to the back of the straw onto the other end of the second chair. Make a loop.
3. Attach the turkey to the balloon.
4. Inflate the balloon.
5. Pull the straw taut.

Chloe Campbell  
EDUCATION

Save money and get science experiments for the **WHOLE** year!

Which liquid allows the gummy bears to grow the most?

Materials

- 3 gummy bears (same color)
- Three bowls
- 1 cup of water
- 1 cup of salt water
- 1 cup of soda

Procedure

- Step 1: Pour 1 cup of liquid into each bowl.
- Step 2: Place the gummy bear in each bowl.
- Step 3: Observe.
- Step 4: Measure the gummy bear's length.

Gummy Bear Length	Water	Salt Water	Soda
1.50 in	1.48 in	1.52 in	
		1.45 in	
1.75 in	1.35 in		

Which liquid do you think it grew the most in?

Which liquid do you think it grew the least in?

# 10 SCIENCE ACTIVITIES

# SUMMER SCIENCE INVESTIGATIONS & EXPERIMENTS

Rubber Band Paddle Boats

Sunscreen Lotion vs. Sunscreen Spray

# SUMMER SCIENCE