



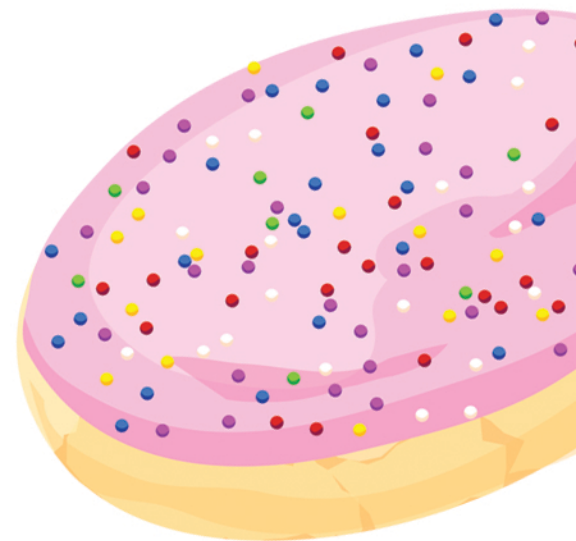
# EVERYWHERE

# COOKIES

# COOKIES



**LET'S COMPARE!  
USING THE  
SCIENTIFIC METHOD  
TO DECIDE WHICH ONES  
ARE THE BEST !**



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[WWW.CCBOE.COM/SCIENCECENTER](http://WWW.CCBOE.COM/SCIENCECENTER)

# 1. ASK A QUESTION

Which cookies  
are the best?



Many of us now have time  
to experiment in the kitchen  
with new recipes .  
Two of the most popular items  
are cakes and cookies.  
We want to know which cookies  
are best and why.



Draw or paste/tape a picture of you (the scientist) here.

# 2. RESEARCH YOUR QUESTION

What kind of cookies will you make?

Sugar    Chocolate Chip    Peanut Butter

Gingerbread    Oatmeal Raisin

Other: \_\_\_\_\_

What makes that kind of cookie really good?

What makes a recipe a good recipe?

Write your ideas in the cookies to the right.

We've included a few  
to get you started.

Not enough cookies for all  
of your ideas?

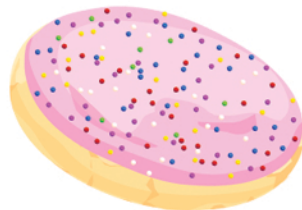
Use the spaces below.

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|       |              |
|-------|--------------|
| Color |              |
|       | Texture      |
|       | Cookie Yield |
| Taste |              |

# 3. HYPOTHESIS

Locate 3-4 cookie recipes and  
read them over. Choose 2 recipes.  
Which Recipes did you choose to make?

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A **hypothesis** is what you  
think the answer  
to your question might be.  
Think of it  
as an educated guess.

My hypothesis  
is that \_\_\_\_\_  
will be the better cookie.





# 4. DESIGN EXPERIMENT

Before starting an experiment you need to design how you will do the experiment. Below are some questions to think about.

Did the cookies brown evenly?

Do the cookies have a firmness or are they crumbly?

Which cookies smell the best?

Are the cookies soft, chewy, hard?

How many cookies did the batch make?

We have included a recommended experiment to the right. Feel free to use that or your own experiment.

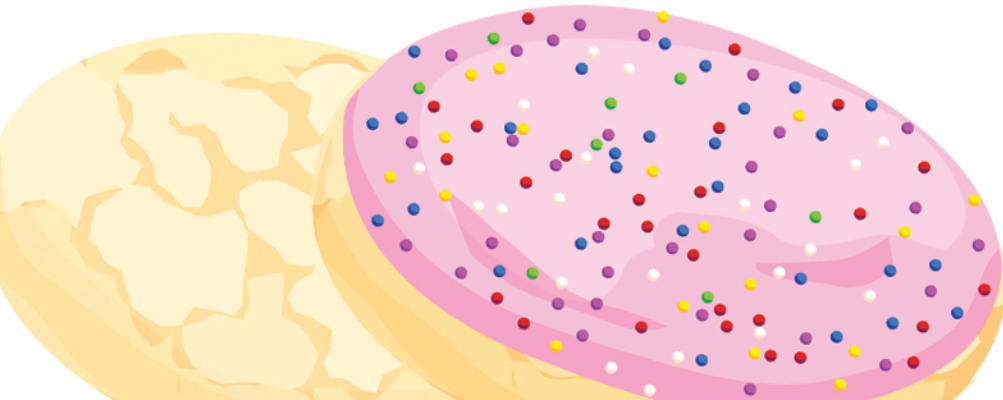
1. Choose two cookie recipes.

2. Collect all ingredients.

3. Make cookies as recipe instructs.







4. Make a data chart to evaluate cookies.

5. Graph your results.



# 5. CONDUCT EXPERIMENT

Use the chart below to record the results of the experiment.

| Characteristic         | Name:   |   | Name:  |   | Name:   |   |
|------------------------|---|---|--|---|---|---|
|                        | Recipe 1  | Recipe 2  | Recipe 1   | Recipe 2  | Recipe 1  | Recipe 2  |
| Example                |   |  |    |   |  |    |
| Color                  |   |   |  |   |   |   |
| Smell                  |   |   |  |   |   |   |
| Texture                |   |   |  |   |   |   |
| Taste                  |   |   |  |   |   |   |
| # of Cookies per Batch |   |   |  |   |   |   |
|                        |   |   |  |   |   |   |
|                        |   |   |  |   |   |   |
|                        |   |   |  |   |   |   |
|                        |   |   |  |   |   |   |
|                        |   |   |  |   |   |   |
| TOTAL                  |   |   |  |   |   |   |

# 6. ANALYZE RESULTS

What were your findings?



First Place Cookie: \_\_\_\_\_

Why? \_\_\_\_\_



Second Place Cookie: \_\_\_\_\_

Why? \_\_\_\_\_

# COOKIE RECIPE LINKS

<https://www.thekitchn.com/cookie-recipes-with-kids-266024>

<https://joyfoodsunshine.com/the-most-amazing-chocolate-chip-cookies/>

<https://www.allrecipes.com/recipe/10813/best-chocolate-chip-cookies/>

<https://www.allrecipes.com/recipe/9870/easy-sugar-cookies/>

<https://www.lifeloveandsugar.com/best-soft-and-chewy-sugar-cookies/>

<https://www.lifeloveandsugar.com/classic-chewy-snickerdoodles/>

