

# Make & Takes

## Feed Milling - Cookie Activity

Modeling feed making by cookie baking



**NC STATE**

EXTENSION

Define Feed Milling (*fill in blanks*): combining \_\_\_\_\_ to make \_\_\_\_\_ for animals to meet their \_\_\_\_\_ needs.

Before starting, watch the NC State Feed Mill virtual tour\* to learn how feed is made and guide you through the baking activity.

**Question:** Does following a cookie recipe mimic making feed?

**Hypothesis:** Combining cookie ingredients is similar to combining animal feed ingredients.

### **Materials:**

- Oven, Mixer, Whisk, Cookie Sheet, Oven Mitt, Wooden Spoon, Spatula
- Bowl 1 Ingredients:  $\frac{1}{2}$ C butter,  $\frac{3}{8}$ C sugar,  $\frac{3}{8}$ C brown sugar,  $\frac{1}{2}$ tsp vanilla
- 1 Large Egg. **Do you know how to candle an egg to test for freshness?**
- Bowl 2 Ingredients: 1  $\frac{1}{3}$ C flour,  $\frac{1}{2}$ tsp baking soda,  $\frac{1}{2}$ tsp salt
- Special Ingredients: 1C chocolate chips &  $\frac{1}{2}$ C Your Choice (e.g. sprinkles)

### **Method:**

1. Preheat oven to 375° F
2. Mix Bowl 1 Ingredients until creamy
3. Add Egg. **Do you know best practice for cracking an egg?**
4. Whisk Bowl 2 Ingredients and gradually add to Bowl 1
5. Add Special Ingredients to Bowl 1 & stir twice with spoon. **Is it well mixed?**
6. Finish stirring until mixing is complete
7. Drop ~20 rounded tablespoons of dough onto ungreased cookie sheet
8. Bake for 9-11 minutes or until golden brown. Cool for 2 minutes. Snap a photo and enjoy!

### **Bonus Questions**

1. What units are used to measure cookie vs. feed mill ingredients?
2. What types of major, minor, or micro ingredients are in poultry or animal feed vs. cookie batch?
3. How is it determined that feed is well mixed?
4. What types of human food ingredients do animals also enjoy?

### **Learn more at:**

\*[go.ncsu.edu/FeedMilling-Cookies](http://go.ncsu.edu/FeedMilling-Cookies)

