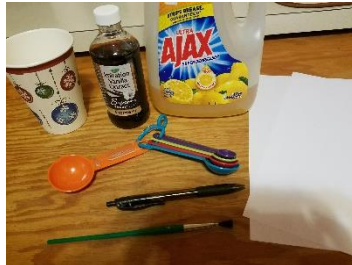


4-H is an opportunity to try new activities and learn new skills. If you're looking for an idea and want to try something new, check out the projects below. 4-H Friday will be created weekly with a variety of projects and skill levels highlighted each week. Please remember the social distancing guidelines while doing these projects. If you would like to take a picture of you or your family doing one of these 4-H projects, feel free to email it to me at [penny.tank@wisc.edu](mailto:penny.tank@wisc.edu), with the subject line: 4-H Friday Photo and each family will be entered into a drawing at a later date for some special gifts! I may even ask for your permission to post a few on Facebook or our website/newsletter. We have some supplies at the Extension Office that could possibly be mailed to your home if needed. Email Penny to discuss. *Penny Tank, 4-H Program Educator*

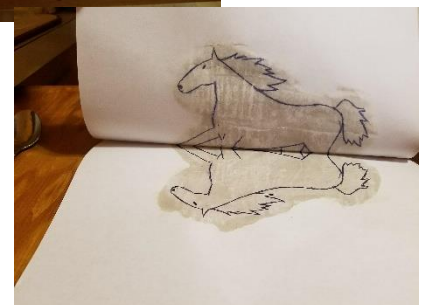
## Copycat Solution

### Supplies:

- ✓ Vanilla Extract
- ✓ Liquid dish detergent
- ✓ Small cup
- ✓ Tablespoon
- ✓ Paintbrush
- ✓ 2 sheets of white paper
- ✓ Black ballpoint pen



UW-MADISON EXTENSION



### Directions:

1. Use the pen to draw a picture on a sheet of paper. Make the lines of the drawing as thick as possible.
2. In the cup, mix one tablespoon of vanilla extract with one tablespoon of liquid dish detergent.
3. Use the paintbrush to paint a thin layer of the vanilla extract and detergent mixture over your drawing.
4. Cover your drawing with the second sheet of white paper.
5. Use the back of the spoon to press down on the top sheet. Gently rub your drawing by moving the spoon in small circles.
6. When you can see your drawing through the paper, peel off the top sheet. What do you see?

### What happened?

You copied your drawing! The detergent in your mixture binds to the ink in your picture. The ink mixture transfers to the second page when you press the sheets together. If you draw thick lines and use lots of ink, you can make more than one copy.

Source: <https://www.madscience.org/>

### Apply:

- Try this experiment with different kinds of inks.
- Try drawing with different kinds of markers or different colored pens.
- Does the copycat solution work for these inks?

## Making Brownie Cents

Many factors can be considered when families make meals and snacks. Some families make more convenience foods and others make more from scratch. Cost, nutrition, taste, time, and ease of preparation are all factors for cooking and baking.

Below is a recipe from the 4-H Foods Literature for brownies. If you want to do a comparison activity you could make brownies from a box mix and make this recipe and see how they differ?

### **Ingredients for homemade brownies:**

- ❖ 1 stick plus 2 tablespoons butter or margarine, softened (not melted)
- ❖ 1 cup sugar
- ❖ 1 teaspoon vanilla extract
- ❖ 2 large eggs
- ❖ 1/3 cup unsweetened cocoa
- ❖ ¾ cup all purpose flour
- ❖ ½ teaspoon baking powder
- ❖ ¼ teaspoon salt



### **Directions for homemade brownies:**

1. Pre-heat oven to 350 degrees F. Grease an 8-inch-square baking pan.
2. Beat butter and sugar together with an electric mixer. Add vanilla and eggs, mixing well.
3. In a separate bowl, stir together the flour, cocoa, baking powder, and salt.
4. Add the flour mixture to the butter batter. Mix it well using an electric mixer.
5. Spread batter in greased pan. Bake for 30 minutes.
6. Cool for at least one hour before cutting. Store tightly covered.

### **Reflect:**

- Did you try both brownies? If so, what were the similarities and differences?
- What factors influence your cooking?

Source: *Six Easy Bites, Fantastic Foods Literature, Level A*

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## Hopalong Game

**Objective:** Work on coordination, agility, balance, and have fun!

**Time:** 25 Minutes

### **Supplies:**

- Sidewalk chalk
- Space to make a “game board”

### **Directions:**

- Give each person a piece of chalk.
- You are going to make a footprint course in which players can hop from print to print.
- Each person will trace around their shoes, spacing prints close together for quick hops, apart for long jumps, single prints for one-foot hops, and a mixture of routes that send hoppers around corners and all directions.
- Mark the start and finish points on your game board.
- Be as creative as you want.
- After everybody is finished connecting footprints into one big game board, line up and be ready to hop aboard.
- When one course washes off, you can create something totally different.

### **Reflect:**

- ❖ Was it hard to connect all footprints?
- ❖ Could you make this a timed event?
- ❖ Were you able to keep your balance?

Source: *The Outrageous Outdoor Games Book*



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