WAUPACA COUNTY 4-H FRIDAY! MAY 8, 2020

4-H is an opportunity to try new activities and learn new skills. If you're looking for an idea to pass the time 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 and safer at home 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, 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*

April Showers Bring May Flowers

In addition to beautiful real flowers many of you are planting in the next few weeks, there are a variety of craft flowers that require very few supplies. Try out one of these or create your own idea for May Flowers at home!

(*With your parents, look at the video links for directions.*)

Duct tape roses on the end of a pen

https://www.youtube.com/watch?v=iu7-5BM8VBc

Supplies:

- Duct tape
- Scissors
- Stick pen

Tissue paper flowers

https://www.youtube.com/watch?v=ZI8W2bPuqgk

Supplies:

- Tissue paper (variety of colors)
- Scissors
- Pipe cleaners (green preferred)

UW-MADISON EXTENSION

Pencil Shavings Art

SUPPLIES

Pencils to sharpen
Hand pencil sharpener
Colored pencils/markers
Glue
Construction paper or other thick paper

INSTRUCTIONS

*Sharpen the pencil(s) slowly with a hand sharpener and collect the pencil shavings from it. Try to collect shavings without breaking them. If you use decorated pencils you may get shavings with a colored outline like in the photo.
*Take paper of desired size and draw stem and leaves with green color pencils/markers.
*Carefully glue the pencil shavings as flowers or other designs.
*Color the leaves and other parts of the picture as desired with colored pencils.
*Show off your creativity!

4-H Grows Scientists

Did you know? 80% of the fastest growing careers in the U.S. require science, technology and engineering literacy. Girls in 4-H are three times more likely to take part in science programs compared to girls in other programs. Here are two activities you can do to explore science.

Investigate Color Changing Milk!

The Experiment:

1. Pour about 1/3 of a cup of milk onto the plate (or fill the center of your plate)
2. Carefully drip a few drops of food coloring in the center of the plate of milk. You can use multiple colors!
3. Dip the cotton swab into the dish soap
4. Dip the soapy swab into the center of the food coloring drops.
5. What happens?

Watch how it's done:
https://www.youtube.com/watch?v=Hr6dZ6aWpF4
Time required: 5 minutes
Supplies:

- Milk
- Food Coloring
- Dish Soap
- Plate
- Cotton Swab
- Small cup or bowl for dish soap

How does it work? Milk is mostly water but it also contains vitamins, minerals, proteins, and tiny droplets of fat suspended in solution. Dish soap, because of its bipolar characteristics (nonpolar on one end and polar on the other), weakens the chemical bonds that hold the proteins and fats in solution. The soap's polar, or hydrophilic (water-loving), end dissolves in water, and its hydrophobic (water-fearing) end attaches to a fat globule in the milk. The molecules of fat bend, roll, twist, and contort in all directions as the soap molecules race around to join up with the fat molecules. During all of this fat molecule gymnastics, the food coloring molecules are bumped and shoved everywhere, providing an easy way to observe all the invisible activity.

Reflect What is the purpose of the food coloring? How do you think using a different kind of milk (skim, 1%, 2%, whole milk) might change what you see? Olive oil also contains a type of fat. Do you think this experiment will work with olive oil or other oils?

Adapted with permission from Steve Spangler Science (2015):
http://www.stevespanglerscience.com/lab/experiments/milk-color-explosion/
Source: https://fyi.extension.wisc.edu/wi4hstem/files/2017/05/STEM-Grab-n-Go.pdf (check this out for more science activities)

Jelly Bean Color Experiment!

The Experiment:

1. Make a circle or square of jelly beans around the outside of the plate
2. Pour enough water in the center of the plate that it touches all of the jelly beans (warm or cold water)
3. Wait a few minutes and observe what starts happening

Time required: 5 minutes
Supplies:

- Plate
- Jelly Beans or Skittles
- Water

Reflect What happened to the color of the jelly beans? What color did you see "moving" first? After this experiment sits a few minutes, lift up a few jelly beans, what happened to the jelly beans? Why?