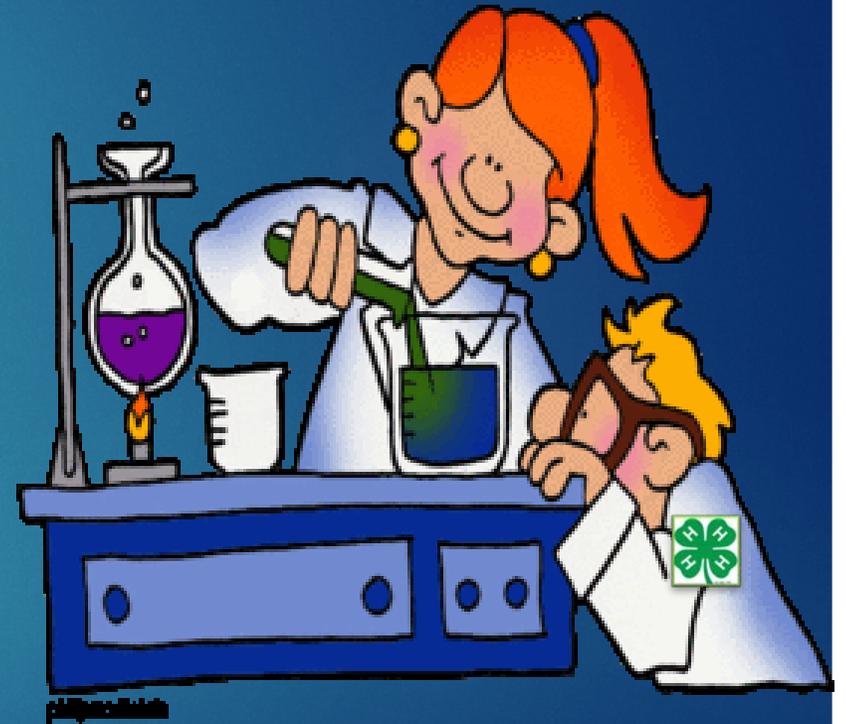


# 4-H FUN

With Food Science



# WHY FOOD SCIENCE?

- ✓ Fun way to learn about science
- ✓ Applications for all areas of life
- ✓ Relate to proper nutrition, healthy living, and food safety



# POP ROCKS EXPANDER

## MATERIALS:

- ✓ Pop Rocks
- ✓ Balloons
- ✓ Funnel
- ✓ 16 oz. bottles of soda



# THE SCIENCE OF BUTTER

## MATERIALS:

- ✓ 2 clean ½ pint mason jars with lids
- ✓ 1 cup heavy cream
- ✓ 1-3 clean glass marbles



# DIE DYED MILK EXPERIMENT

## MATERIALS:

- ✓ Shallow bowls
- ✓ 2% and homogenized milk
- ✓ Food coloring
- ✓ Liquid dish soap
- ✓ Toothpicks, swabs, or droppers



# CANDY SCIENCE

## Dissolve M off an M & M

### MATERIALS:

- ✓ M & Ms
- ✓ Bowl of water



# TURNING SALT INTO GLUE

## MATERIALS:

- ✓ Glass of water
- ✓ Ice cube
- ✓ Piece of string
- ✓ Salt



# LAVA LAMPS

## MATERIALS:

- ✓ 3 empty water bottles
- ✓ Vegetable oil
- ✓ Food coloring
- ✓ Alka seltzer
- ✓ Water



# SEPARATE SALT & PEPPER

## MATERIALS:

- ✓ Balloon
- ✓ Salt & Pepper mixture



# RUBBER EGG EXPERIMENT

## MATERIALS:

- ✓ Cup
- ✓ Egg
- ✓ Vinegar
- ✓ Notebook to record



# THEM TURKEY BONES

## MATERIALS:

- ✓ Large jar
- ✓ Turkey or Chicken bone
- ✓ Vinegar



# FOOD SCIENCE WORKSHOP

- ▶ Join Purdue faculty in their labs to learn:
  - ▶ How the look of food affects your taste experience
  - ▶ How corn is made into cheese puffs
  - ▶ Why juice in juice boxes does not spoils
  - ▶ How low-calorie food is made
- ▶ Open to high school students
- ▶ Contact local Purdue Extension Office





# **4-H Food Science & Nutrition Workshop**

**PURDUE** | **LOCAL FACES**  
EXTENSION | *COUNTLESS CONNECTIONS*

<http://tinyurl.com/4HFSandNutrition>

# YOUR TURN:

How do you make  
food science

# FUN?

