HEADS IN, HEARTS IN

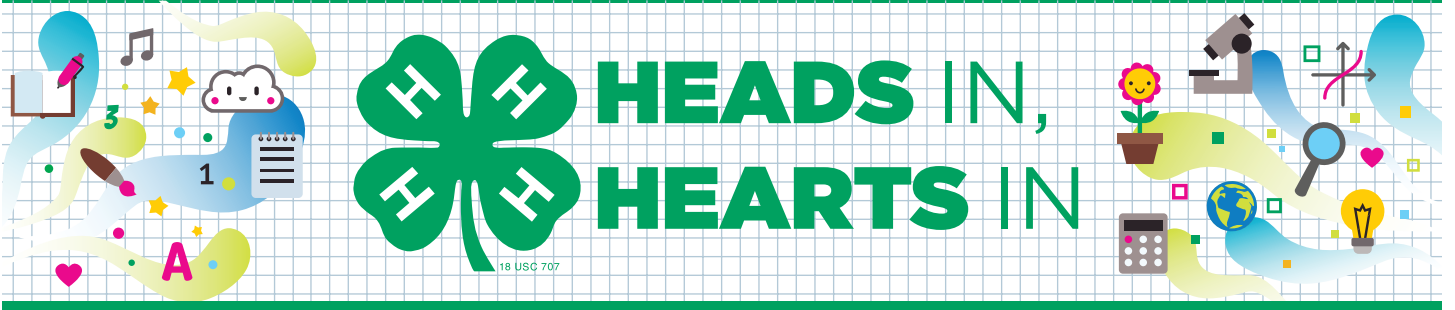## What's This Made Of?

Instructions for Set-Up

Supplies

- ❏ "Guide for Families" handout
- ❏ Clear plastic standup display (optional)
- ❏ Plastic tray or shallow tub
- ❏ Several items made from plastic and several made from metal (for example, a marker, paper clips, keys, a barrette, a pencil, a hair tie, dice, a binder clip, confetti, a spoon or other items)
- ❏ Strong magnet that has a handle, clasp or carabiner attached to it
- ❏ Piece of colorful yarn or pipe cleaner
- ❏ Display table

Activity Preparation

▸ Purchase or locate items on the supply list.

▸ Print one copy of the "Guide for Families" handout. Laminate or place in a clear plastic standup display to allow participants to see it more readily.

▸ Attach a piece of colorful yarn or pipe cleaner to the magnet so it can be easily found and handled.

▸ Set up the display table with the supplies.

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18 USC 707

What's This Made Of?
Guide for Families

Learning Objectives

What you need to know:

A **hypothesis** is an educated prediction. Sometimes when you **hypothesize** (make an educated prediction), you predict the correct answer. It's okay to hypothesize and find out you have the incorrect answer.

What you will do and learn:

In this activity, you will use a hypothesis to determine if items are made of plastic or metal. To hypothesize, you will answer the question: "Is this item made from plastic or metal?" You will then make a an educated prediction.

To determine if your hypothesis is correct or incorrect, you will use the magnet. Items that are attracted to the magnet are made from metal and the items not attracted to the magnet are made of plastic.

Instructions

1. Make a hypothesis to decide what you think each item is made out of: plastic or metal. (Use some of your senses to help you decide.)

2. Sort the items on the tray into the categories of plastic or metal. Explain why you chose to put the item on that tray.

3. Use the magnet to be sure the items placed in the metal category are actually made of metal.

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