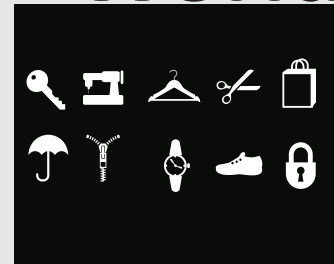


# Tech World



## Family Science Activity

**Due Date:** \_\_\_\_\_

### This activity helps you learn about...

#### *Technology*

- uses and characteristics
- problem solving

### This activity involves...

Collecting data, communicating, inferring, interpreting data, observing

### Activity Duration

Allow 4–5 days to complete this activity.

### Materials Needed

#### *From School:*

Per student — 1-gallon plastic bag, 1 Observation Record

### What are we doing?

Technology is all around us and helps us to do things and have fun on a daily basis. In this activity, your scientist will look for and study different types of technology in your home environment.

### How are we going to do this?

In this activity you will look for and study different technology that is around you and identify the problems it solves.

## Days 1–2

1. Walk around the inside of your home and find at least five different technology items that you use to help your life such as when you work, play, or cook. Record these on your Observation Record.
2. For each item, think about the following questions: (a) What problem did this technology item help solve? (for example, a spoon helps us to eat without making a mess); (b) Of what material(s) is the item made? (plastic, rubber, metal, etc.); (c) How could this technology be improved?
3. Record your findings on Part 1 of your Observation Record.

## Days 3–4

1. Take a walk outside of your home. Go around your yard, apartment building, neighborhood, park, or mall and look for different technology items. Find at least five different items. Identify the technology. Think about the problem it helped to solve, its materials, and possible improvements.
2. Record your findings on Part 2 of your Observation Record.
3. Finish the Observation Record and discuss the Family Time questions that follow.
4. Return your Observation Record and packet back to school by the date due.

## Family Time Questions

1. What things around the house do we use to make our lives easier? Why are they helpful?
2. In what ways could you improve the technology that we use?
3. What types of technology could we do without in our daily lives? Why do you think so?
4. Does any technology have negative effects on our lives? If so, explain.
5. What types of everyday problems still need to be fixed or made easier? Are these only dreams or real possibilities? How do you suggest inventing some of your ideas or what could you invent to solve these problems?

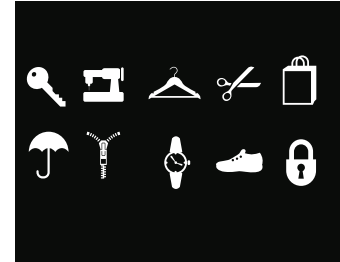
## Family Notes

- On the Observation Record, all responses are acceptable; no answer is right or wrong. For the “I discovered” section, any thoughts are welcome.
- Encourage your scientist to record what she or he observes and thinks about the activity. Words or drawings may be used to record the observations.
- Your scientist may need help to complete the activity and fill out the Observation Record. Please partner with your child on this activity.

**Family Science**

# Family Science Observation Record

# Tech World



Name: \_\_\_\_\_

Complete the charts below based on your observations.  
Use words and/or drawings.

**Part 1: Inside your home**

Date: \_\_\_\_\_

Technology	Location	Problem Solved	Materials Used
Example: Microwave	Kitchen	Cooking Food Fast	Plastic/Metal

Upper Primary

**Family Science**

**Part 2: Outside your home**

Date: \_\_\_\_\_

Technology	Location	Problem Solved	Materials Used
<b>Example: Microwave</b>	<b>Kitchen</b>	<b>Cooking Food Fast</b>	<b>Plastic/Metal</b>



**I discovered...**

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