

## GSK Science in the Summer™

**Dear Students,**

This week you will do the work of scientists. What does that mean? How do scientists do their jobs? Here are some ways:

**Observe** – use all of your senses to get information about objects and happenings

**Measure** – identify the length, width, mass, volume, temperature of objects and happenings

**Collect** – gather specimens and data

**Identify** – name and describe objects

**Classify** – sort and group objects based on common characteristics and relationships

**Compare and contrast** – see similarities and differences in objects, events and relationships

**Interpret** – explain the meaning of data collected

**Sequence** – put objects and events in order according to size, importance, occurrence

**Recognize relationships** – see connections between objects

**Predict** – use observations to propose possible outcomes of future events

**Hypothesize** – make guesses or assumptions to explain why something happened

**Experiment** – set up a controlled situation to test a hypothesis or prediction

**Draw conclusions** – examine outcomes and make assumptions about what happened and why

**Make models** – construct a physical or mental representation of objects or events

**Report and record** – communicate your observations, data and results

Whew! This seems like a lot of work, but scientists do this every day, and you will too in Science in the Summer.

Here are some ways to become even better scientists:

**Be curious**

**Be organized**

**Be accurate**

**Be inventive**

**Be patient**

This activity book is full of ideas to help you do science at home. Always check with your parents before you start an experiment. Invite them to do the experiments with you.