



Title: Garden Scavenger Hunt

Grades: 2

Subjects: Math, Science

Time: 30 minutes

Standards:

Mathematics Standard 4: Understand and apply the basic and advanced properties of the concepts of measurement.

- Benchmark # 1: Understand the basic measures of length, width, height.
- Benchmark # 3: Know the process for measuring length, width and height using basic standard and non-standard units.
- Benchmark # 4: Makes quantitative estimates of familiar linear dimensions and weights and checks them against measurements.

Science Standard 12: Understand the nature of scientific inquiry.

- Benchmark # 1: Know learning can come from careful observation and simple experiments.
- Benchmark # 2: Know that tools (e.g., meter sticks) can be used to gather information and extend the senses.

Objectives:

- Measure and compare the length, and height of common objects in metric units of measure.
- Recognize that tools (rulers, meter sticks...) have specific functions (to assist in measuring,...) to makes tasks easier.

Materials:

- Garden
- "Scavenger Hunt" worksheet provided below
- Meter stick

Overview: The metric system is the international measuring system in science. When measuring in the metric system, kilometers, meters, and centimeters are used instead of the miles, feet, and inches used in the English system.

Kids Speak: The Metric measuring system is the international language of science. It works just like the English system, but instead of measuring in feet and inches, you measure with meters and centimeters.

Eco-Fact: Compost can reduce the need and use of synthetic fertilizers and pesticides.

Procedures:

Before Garden Scavenger Hunt:

- Dividing the class into pairs.
- Tell students that they are going to compete against their classmates in a scavenger hunt for different length objects in a garden (if a garden is not assessable to the classroom, assign the hunt for homework).
- Tell students that the measurements will be in meters. Review the metric system with students if needed.

Scavenger Hunt Directions:

- Give each group a garden scavenger hunt worksheet.
- Explain to students that they must find something in the garden that has the same measurement as on the work sheet.
- After explaining hunt directions give each group a metric stick.
- Bring students outside and begin the hunt. - After students complete their scavenger hunt, check group worksheets and declare winners.



Adaptations: For higher grades, have students find the area of garden objects.

Extensions: Visit other Green Thumb Challenge lessons on this GEF website to learn about composting and planning a garden.

All lessons listed on the GEF website have been aligned with the McREL Compendium of Standards and Benchmarks for K-12 Education. GEF curriculum has been developed in accordance with the McREL standards in order to reflect nationwide guidelines for learning, teaching, and assessment, and to provide continuity in the integrity of GEF curricular content from state to state. The decision to utilize McREL's standards was based upon their rigorous and extensive research, as well as their review of standards documents from a variety of professional subject matter organizations in fourteen content areas. Their result is a comprehensive database that represents what many educational institutions and departments believe to be the best standards research accomplished to date. To access the McREL standards database, or for additional information regarding the supporting documentation used in its development, please visit <http://www.mcrel.org>.