Discovering STEM Program

Magical Rain (Grades 3-5)

Description: Things are not always what they seem. In this activity, you will work on measuring time and liquid volume as well as modeling results in a chart. Make some bold guesses about what is going to happen. Find out if you're right!



Alignment for <u>Magical Rain</u> (Grades 3-5) To the Common Core State Standards Mathematics http://www.corestandards.org

This kit addresses the following standards:

Common Core:

- **3.MD.2** Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same unites, e.g., by using drawings, (such as a beaker with a measurement scale) to represent the problem.
- **4.MD.1** Know relative sizes of measurement units within one system of units including km, m, cm; kg, j; lb, oz; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in two column table. For example, know that 1 ft is 12 times as long as 1 in. Express the length of a 4 ft snake as 48 in.
- **4.MD.2** Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.
- **5.MD.1** Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05m) and use these conversions in solving multi-step, real world problems.

When reserving kits, please be sure to:

- Return the filled out reservation form
- **Review** required kit materials prior to event
- Return evaluation forms
- Replace consumables