

Science Curriculum and Units of Study
Rudy Elementary
2009-2010 School Year

Here at Rudy Elementary our science focus allows students to experience hands-on/minds-on science every third school day in a specialized science lab with Mrs. Calvin and in their classrooms with their classroom teachers. In this way our Rudy students K-5 are taught both the required and optional curriculum suggested by the District and are allowed to BE scientists and explore other topics of interest through an inquiry method.

Science Room Mission Statement

Students in Mrs. Calvin's science classes will learn to BE Scientists by questioning, observing, predicting, hypothesizing, and experimenting. They will be able to justify, analyze, and communicate their findings using recorded evidence.

The following curriculum and units of study will be presented this 2009-2010 year:

Kindergarten:

The kindergarteners have one required science kit entitled "Beginnings".

Students learn to make observations in Physical, Life and Earth Science. These lessons are taught in their daily classroom and emphasized in the special science labs with Mrs. Calvin.

1st Grade:

Fall- Pebbles, Sand and Silt (Earth Science)

Winter-Solids and Liquids (Physical Science)

Spring-Fossils (Earth Science) Organisms (Life Science)

2nd Grade:

Fall- Balance and Motion (Physical Science)

Winter- Chemical Changes (Physical Science)

Spring- Weather (Earth Science) Insects (Life Science)

3rd Grade:

Fall- Sound (Physical Science) Earth Materials (Earth Science)

Winter- Space (Earth Science)

Spring- Plant Growth and Development (Life Science)

4th Grade:

Fall- Electric Circuits (Physical Science)

Winter- Water Chemistry (Physical Science)

Spring- Chemical Tests (Physical Science) Human Body (Life Science)

5th Grade:

Fall-Ecosystems (Life Science)

Winter- Variables (Scientific Process) Landforms (Earth Science)

Spring- Levers and Pulleys (Physical Science)

During the 2010-2011 school year we will see changes in the current curriculum to match the new Colorado State Science Standards that will be adopted in December 2009.

Dorene Calvin

328-7670

calvidv@d11.org