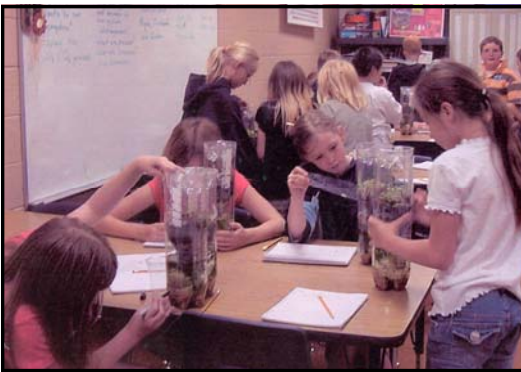


Science

- Kindergarten through fifth grade science lab
- Science instruction is delivered by both classroom teachers and a science specialist.
- Extracurricular science challenges K-5
- After school science club K-5
- Science Fair and other local, regional and national science competitions
- Community science expert collaboration including DET1 392 TRS crew from Schriever Air Force Base



As he conducts an experiment with ramps in the Science Lab, this student records observations in his Science Notebook.



Fifth grade students create interdependent ecosystems, and study their development and the effects of outside influences



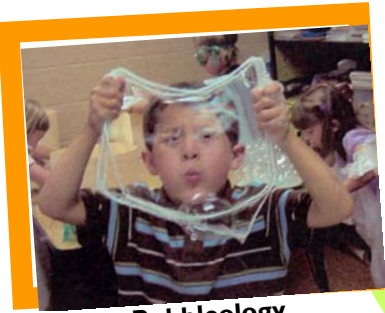
Two first grade girls cradle a live corn snake.



Students participating in Potions at Hogwarts, an afterschool class for 3rd to 5th grade students.

NEXT STEPS

- By the 2008-09 school year, a fiber Optic Network will allow video streaming, virtual field trips and high speed access to digital information
- Securing funds for purchasing additional technology and equipment
- A scope and sequence of technology skills students will learn at each grade level
- Ongoing staff training on the latest in educational technology



Bubbleology



A Science & Technology Focus School

5370 Cracker Barrel Circle
Colorado Springs, CO 80917
719-328-7600



A student rejoices at a correct answer with his responder.

Rudy's Mission and Vision

Students of the 21st century will use technology throughout their academic careers and in their future employment. Demands of the 21st century require students to be creative, innovative, and flexible learners. They will use technology for communication and problem solving. In response to the rapidly changing world, we have developed a Science and Technology focus designed to prepare our students for the 21st century.

A scope and sequence of technology skills outlines the technology skills students are expected to master at each grade level. Teachers use the latest technology for instruction, and students complete assignments utilizing a variety of print and electronic resources.

Students receive instruction from a science specialist, as well as classroom teachers that focuses on the scientific process through hands on activities, reading materials and scientific writing.



A second grade student examines a bearded dragon up close and personal.

Technology

Integration of Technology in teacher presentations and lessons

- Teachers instruct using LCD projectors, document cameras, Smart Boards and interactive tablets.



Using responders in class

- Interactive tablets allow teachers to move around the room and increase student participation as they instruct with computers and LCD projectors.
- Teachers and students gather immediate feedback about student learning by using responders—also called “clickers”.
- Art curriculum uses Smart Board technology and provides students with visual images of masterpieces and other illustrations of the art currently being studied
- Document cameras allow groups of children to closely study the details of an artifact, focusing their attention on its particular aspects in an engaging and efficient manner. The artifact can be photographed for other uses in other lessons.
- Teachers and parents communicate via email. Parents can access electronic newsletters, and assignments, through teacher web pages and the school web site
- Multimedia presentations of student work are displayed at school wide assemblies

Use of technology in classroom and lab settings

- Students have access to two computer labs: one for software products and one for research.
- As part of their daily practice, students utilize classroom computers to complete work independently or in collaborative groups.
- Students will leave Rudy Elementary with the ability to successfully and ethically access, use, and produce quality information using print and non-print resources. They will also have the flexibility and problem solving skills to transfer their knowledge to new products and technologies that are being continually developed.

At Rudy, students:

- Demonstrate knowledge and higher level thinking skills using Microsoft Office Products including Word, PowerPoint, and Excel.
- Create and present Windows Movie Maker Projects
- Demonstrate art skills using Scholastic Art and Broderbund Kid Pix
- Students work at home then transfer and complete a project at school through the use of removable storage devices-i.e. flash drives



A first grader drew and labeled this bird diagram using KidPix.