

Keeneyville School District 20

**SCIENCE PHILOSOPHY**

*Summer, 1998*

The study of science in District 20 shall be an interactive experience, which blends concepts, skills, processes, experimentation and critical thinking in an inquiry-based approach to learning. The science curriculum will focus on current real-life issues and applications, balance earth, life and the physical sciences, emphasize technology and mathematics, and create awareness of career opportunities. As a result of this approach, our students will meet District 20 Graduate Profile characteristics, possess a positive global understanding of science concepts and be able to apply those concepts in their daily lives.

*August 8, 1998*

***Definitions and examples:***

**Inquiry-based:** a framework that assists students in the following ways:

1. In recognizing that a problem exists;
2. In forming a question to be investigated;
3. In developing a plan for investigation utilizing science competencies;
4. In analyzing results of the investigation;
5. In evaluating those results;
6. In formulating new questions based on the conclusions from the investigation.

**Earth Science:** Meteorology, Oceanography, Astronomy, Geology, Space Science

**Physical Science:** Physics, Chemistry

**Life Science:** Anatomy, Biology, and Ecology