Exploring a New World: Cells and Microscopes

**Description:** Exploring a New World is designed to provide students with hands-on science and technology activities that:

- teach science and technology concepts related to cells and the use of microscopes
- provide students with experiential learning opportunities that promote development of appropriate science and life skills
- introduce students to the scientific and technological field of biotechnology
- stimulate student interest in pursuing careers in science and technology

**Format:** The curriculum is designed to take 4-5 hours of classroom time to complete with activities ranging from 25 to 40 minutes in length. The curriculum may be taught by the classroom teacher with a microscope kit checked out from the local Iowa State University County Extension Office.

Features of this 72 page curriculum include:

- Biotechnology and the National Science Education Standards
- Biotechnology Resources
- Students Activities:
  - Care and Use of a Microscope
  - Microscope Observations
  - Parts of a Cell
  - Build a Giant Cell
  - Secrets of the Code
  - What is DNA?
  - Biotechnology Applications - Yeast

**Cost:** This curriculum can be borrowed for one month or purchased for $6.50 plus postage.