

ILLINOIS STATE GOALS AND STANDARDS

As a result of participation in scientific investigation and the science exposition, students fulfill several of the *Illinois State Goals and Learning Standards*. These include:

- **State Goal 3 (English/Language Arts):** To write to communicate for a variety of purposes.
- **State Goal 4 (English/Language Arts):** To listen and speak effectively in a variety of situations
- **State Goal 5 (English/Language Arts):** To use the language arts to acquire, assess and communicate information.
- **State Goal 7 (Mathematics):** Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.
- **State Goal 8 (Mathematics):** To use algebraic and analytical methods to identify and describe patterns and relationships in data, solve problems and predict results.
- **State Goal 10 (Mathematics):** To collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.
- **State Goal 11 (Science):** To understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.
- **State Goal 12 (Science):** To understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.
- **State Goal 13 (Science):** To understand the relationships among science, technology and society in historical and contemporary contexts.

