



Leaf Pack Network

New Jersey State Standards, Grade 8

Leaf Pack Network[®] curriculum meets the following New Jersey State Standards for grade 8.

Standard 5.1 Scientific Processes

All students will develop problem solving, decision-making, and inquiry skills, reflected by formulating usable questions and hypotheses, planning experiments, conducting systematic observations, interpreting and analyzing data, drawing conclusions, and communicating results.

- A. Habits of Mind
- B. Inquiry and Problem Solving
- C. Safety

Standard 5.2 Science and Society

All students will develop an understanding of how people of various cultures have contributed to the advancement of science and technology, and how major discoveries and events have advanced science and technology.

- A. Cultural Contributions

Standard 5.3 Mathematical Applications

All students will integrate mathematics as a tool for problem-solving in science, and as a means of expressing and/or modeling scientific theories.

- A. Numerical Operations
- B. Geometry and Measurement
- C. Patterns and Algebra
- D. Data Analysis and Probability

Standard 5.5 Characteristics of Life

All students will gain an understanding of the structure, characteristics, and basic needs of organisms and will investigate the diversity of life.

B. Diversity and Biological Evolution

Standard 5.8 Earth Science

All students will gain an understanding of the structure, dynamics, and geophysical systems of the earth.

D. How We Study the Earth

Standard 5.10 Environmental Studies

All students will develop an understanding of the environment as a system of interdependent components affected by human activity and natural phenomena.

A. Natural Systems and Interactions

B. Human Interactions and Impact



The Leaf Pack Network is an initiative of Stroud™ Water Research Center. The Stroud Center seeks to advance knowledge and stewardship of freshwater systems through global research, education, and watershed restoration. Learn more at www.stroudcenter.org