

LESA  
Science Curriculum  
2008

**Mission Statement**

Our Father in heaven has created an orderly world (Genesis 1) and has given us this world to maintain and keep as its stewards (Genesis 2). Therefore, in order to develop useful and creative servants to Christ and community, the science instruction at our LESA schools will develop in students a true sense of appreciation for and value of scientific concepts. This will be accomplished by implementing the National Science Education Standards, as well as the Missouri Show-Me Standards, Illinois Learning Standards for Science, and *Concordia Curriculum Guide Science*.

**The science program exists to:**

- Equip students for living in a technological and scientific world;
- Prepare students for everyday life experiences and continuing education;
- Train students to follow the evidence, wherever it may lead;
- Develop an in-depth understanding of science topics through integration with other curricula;
- Provide evidence that living things and certain features in the universe are not likely to have arisen through random processes;
- Develop positive attitudes toward the students' scientific experience;
- Challenge students to succeed to the best of their God-given abilities;
- Foster the ability to communicate scientifically;
- Enable students to design experiments where data is generated and also properly interpreted.

Students in this science program will often learn science through discovery-oriented, inquiry-based, and problem-centered activities. Students should be interested, engaged, and intellectually stimulated as they develop higher order thinking skills.

## **For the Reader and User of the Lutheran PreK-8 Science Curriculum:**

You will find listed under each grade level the critical topics that must be taught in order to prepare students to move from one grade to the next with a high level of proficiency. Listed under each strand are the standards developed through the National Science Education Standards, as well as the Missouri Show-Me Standards, Illinois Learning Standards for Science, and *Concordia Curriculum Guide Science*.

The “Suggested Activities” included are a starting place that teachers can use to teach the content; however, teachers may also choose to develop their own activities to meet the needs of students in a class, the instructional materials available and teacher and student learning styles.

An on-going assessment process in the forms of pre-test/post-test, teacher observation, and student demonstration will continue to serve as evaluation of the student outcomes of the curriculum presented.