

Science Resources

Philosophy

Science is an important part of our curriculum because:

1. Students have a responsibility for taking care of God's creation.
2. Students will develop inquiry skills such as observing predicting, analyzing and problem solving.
3. Students will use scientific insights to make God pleasing social decisions about the world around them.

Vision

Science should allow students to:

1. Make discoveries through research, reading, hands-on experimentation, demonstration, and discussion.
2. Practice the scientific method.
3. Develop an understanding of the three major branches of science: Earth, Life, and Physical Science.
4. Recognize God's wisdom and majesty in the field of science.

Resources

- Teaching the Faith Activities:
 - Integrating the Faith Grades Preschool-2 and Grades 7-8 used 1997 edition.
 - Integrating the Faith Grades 3-6 used 1986 edition.
 - Committee generated ideas Grades Kindergarten, 1-2.
- Michigan Science Content Expectations expected out in 2008. Earth Science will be taught in 8th grade for high school credit. State GLCEs will be included after the state comes out with them. Kindergarten GLCEs are teacher generated.
- Teacher Accountability will use state benchmarks.
- Earth Science (8th grade)- Lower case letters not tested but required for credit.
- Michigan Health Education GLCEs are available for grades K-6.
- Head Start Child Outcomes Framework (HSCOF) (Preschool)
- Michigan early Childhood Standards of Quality for Prekindergarten (ECSQ) (Preschool)

Glossary

- Outcome- State or national curriculum standards such as the Grade Level Content Expectations

- Benchmark/Standard- Michigan's content standards are a set of learning expectations developed by parents, educators, business leaders and university professors to assist schools in the development of local district curricula. These standards and more detailed learning objectives called benchmarks are contained within the Michigan Curriculum Framework
- GLCE- Grade Level Content expectations are written by the State of Michigan to define what students in each grade are expected to know and be able to do.

Suggested Instructional Time Allocations Grades 1-8

Grades 1-2

Core Subject	Percentage of day/week	Core Subject	Percentage of day/week
Religion	8%	Religion	11%
Language Arts *Reading/Phonics *English/Writing *Spelling *Handwriting	25% 10% 7% 7%	Language Arts *Reading *English/Grammar *Spelling *Handwriting	16% 11% 5% 5%
Mathematics	10%	Mathematics	14%
Social Studies	10%	Social Studies	14%
Science	10%	Science	14%
Electives (Music, Art, P.E., Comp., Other)	13%	Electives (Music, Art, P.E., Comp., Other)	10%

Grades 3-5

Grades 6-8 (Self-Contained Classroom)

Core Subject	Percentage of day/week	Core Subject	Percentage of day/week
Religion	11%	Religion	12%
Language Arts *Reading/Literature *English/Writing /Grammar *Spelling/Vocabulary	15% 12% 5%	Language Arts (Literature, Writing, English/Grammar)	25%
Mathematics	14%	Mathematics	12%
Social Studies	14%	Social Studies	12%
Science	14%	Science	12%
Electives (Music, Art, P.E., Comp., Other)	15%	Electives (Music, Art, P.E., Comp., Other)	27%

Grades 6-8