

## ST. LUKE'S LUTHERAN SCHOOL

**Course Name:** 6<sup>th</sup> Grade General Science

**Instructor's Name:** Nancy Knewstep

**About the Teacher:** I received my B.S. from Virginia Polytechnic Institute and State University and have taken a number of continuing education classes during the ensuing years. My previous teaching experiences include Headstart in Fairbanks, Alaska, and teaching the gifted elementary program at Orange Elementary, as well as day care work and working with special education. This will be my 23rd year with St. Luke's. My daughter Lindsey is a graduate of St. Luke's and is attending Jefferson College of Health Sciences in Roanoke, VA.

**Contact Information:** Planning at school: 2:00-2:30p.m.

School: 825-8890, ext. 54

Email: [nknewstep@stlukeslutherschool.com](mailto:nknewstep@stlukeslutherschool.com)

Home: 6-9 p.m.

**Course Text:** Glencoe *Science, Introduction to the Life, Earth, and Physical Sciences* 2003

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### Other Materials Used:

1. General lab equipment
2. Microscopes
3. Videos to support the curriculum

### Units to be Covered:

1. Life science—what is life and classifying living things  
ecology—relationships among living things, energy throughout the ecosystem, and use of natural resources
2. Physical science—matter-atoms, physical and chemical properties and changes  
energy—forms and transformations  
electricity
3. Earth science—seasons, Earth's place in space, distance in space  
moon and its phases  
Space Race
4. Health—reproductive system and puberty

**Methods of Delivery:** Labs, discussion, notes, cooperative learning

**Planned Field Trips:** Caroline Furnace Lutheran Camp for canoe skills and stream survey in early May

### Learning Goals:

1. Utilizes safety procedures in a laboratory environment
2. Understands the role of science in the natural world
3. Knows about and understands what it means to be alive

4. Knows about and understands taxonomy
5. Knows and understands relationships between living things and their environment
6. Knows and understands how energy flows through an ecosystem
7. Knows and understands the use of natural resources
8. Knows and understands atoms
9. Knows and understands physical and chemical properties and changes
10. Knows and understands forms of energy and their transformations
11. Knows and understands electricity
12. Knows and understands seasons
13. Knows and understands Earth's place in space
14. Knows and understands distances in space
15. Knows and understands moon phases
16. Knows and understands the Space Race
17. Knows and understands the reproductive systems and the changes of puberty

**Assignments, Evaluation and Grading Policy:**

1. Grades come from a variety of sources—recall, comprehension questions, notes, quizzes, chapter tests, lab application—and they are all counted equally.
2. If a homework assignment is not done or is incomplete, the student will attend afternoon study hall according to school policy. If a graded assignment is late, points may be taken off to reflect this.

**Grading Scale:** School Policy

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