

ST. LUKE'S SCHOOL

Course Name: Physical 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 24th year with St. Luke's. My daughter Lindsey is a graduate of St. Luke's and is attending Jefferson College of Health Sciences.

Contact Information: Planning at school: 4th and 5th period
School: 825-1776, ext. 54
Email: nknewstep@stlukes-school.org
Home: 6-9 p.m. School Directory for number

Course Text: Merrill *Physical Science*

Other Materials Used:

1. General lab equipment
2. Dynamic carts
3. Lenses and light
4. Sound tubes, tuning forks, etc.
5. Charles and Boyles Law apparatus
6. General chemicals
7. Videos to support the curriculum

Units to be Covered:

1. Physical science methods
2. Energy and motion—Newton's laws,
3. Nature of Matter(chemistry)
 4. Electromagnetic spectrum—sound and light

Methods of Delivery: Labs, discussion, notes, cooperative learning, math application

Learning Goals:

1. Utilizes safety procedures in a laboratory environment
2. Understands role of physical science in the natural world
3. Knows about and understands scientific methods
4. Knows and understands energy

5. Knows and understands motion and its applications
6. Knows and understands basic chemistry
7. Knows and understands the electromagnetic spectrum
8. Knows and understands sound
9. Knows and understands light

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