

Wilson C. Riles Course Outline
8th Grade Science
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Title: Special Day Class General Science

Grade: 8th grade

Course Description

The focus of this course is on Physical Science and is based on the California State standards for eighth grade students. The SDC General Science program provides instruction to meet the unique needs of students through individualized curriculum and pacing.

Units of Instruction:

The following units of instruction will be supplemented with activities and include lessons/activities from the Regular Education Science program/curriculum/ RT= Reg. Text.

- Beginning of year review- What is Science and the Process of Discovery
Ch. 1, 2
- Properties of Matter- RT. Ch. 1,2 ,3/ CH. 14, 15 From Molecules to Matter, Structure of an Atom, States of Matter, Compounds, Mixtures and Solutions
- Structure of Matter- RT. Ch 4, 5/ Ch. 14, 15 Arrangement of elements in the periodic table.
- Periodic Table- Ch. 4, 5,/14, 15
- Reactions- R.T. CH. 6 Observing Chemical Reactions, Intro. Balancing Chemical Equations (Supplemental Lessons/Activities)
- Chemistry of Living Things- RT. Ch. 8 (Supplemental Lessons/ Activities)
- Forces and Motion- R.T. Ch 9, 10/ Ch.16 What is Force? Inertia, Motion, Weight, and Friction
- Density and Buoyancy- R.T Ch. 11 /Ch. 14 Density, mass, pressure, buoyancy, floating and sinking
- Earth in the Solar System-RT. Ch. 12-14/Ch. 27
- Family Life- Health Text- What is Health? Development and Maturity, The Reproductive System, Sexuality Ch. 10, 12, 14, 21/ RT. 5, 16

Evaluation

40% Classwork

30% Test

15% Labs

15% Homework

Instructional Strategies

Lecture/Note-taking
Observation/Demonstration
Written Assignments
Labs
Partner/Group Projects
Audio/visual aids
Games

Material and Resources

Textbooks: General Science, Pacemaker 3rd Edition
 Focus on Physical Science, Calif. Edition
 Focus on Life Science, Calif. Edition
Workbook: General Science, Pacemaker
 Reading and Note Taking Guide, Level B Physical/Life Science