

8th Grade Science
Physical/ Earth Science

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Syllabus

Textbook:

Holt Science & Technology

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General Description:

Physical/ Earth Science at the junior high level includes the study of safety science, types of science, scientific method, metric measurement, maps and models, rocks, minerals, energy resources, plate tectonics, earthquakes, volcanoes, oceanography, weather, astronomy, chemistry, forces, motion, simple machines, among other things. There will be many hands on activities and Interdisciplinary units will be used when appropriate. The topics are designed to meet and exceed the standards set forth by the Next Generation Science Standards.

Objectives:

In your two years of 7th and 8th grade science, you will be studying:

www.nextgenscience.org

PS: Physical Sciences
Middle School (6–8) Storyline PDF
MS-PS1 Matter and Its Interactions
MS-PS2 Motion and Stability: Forces and Interactions
MS-PS3 Energy
MS-PS4 Waves and Their Applications in Technologies for Information Transfer
LS: Life Sciences
Middle School (6–8) Storyline PDF
MS-LS1 From Molecules to Organisms: Structure and Processes
MS-LS2 Ecosystems: Interactions, Energy, and Dynamics
MS-LS3 Heredity: Inheritance and Variation of Traits
MS-LS4 Biological Evolution: Unity and Diversity
ESS: Earth and Space Sciences
Middle School (6–8) Storyline PDF
MS-ESS1 Earth's Place in the Universe
MS-ESS2 Earth's Systems
MS-ESS3 Earth and Human Activity
ETS: Engineering, Technology, and Applications of Science
Middle School (6–8) Storyline PDF
MS-ETS1 Engineering Design

Homework:

Students will have homework on average 2-3 times a week in science. Homework is to be turned in the day that it is due. Late work will not be accepted. If you are absent and homework is due, your assignment is due the day you return. It is the responsibility of the student to gather his or her homework missed for the absent day. Students can check my website (CONN.LEROYK12.ORG) or come see me during AP the following day to get assignments. There are exceptional circumstances that may occur when the teacher reserves the right to give an additional amount of time.

Class Rules:

Everyone will receive a set of classroom rules. You must follow them as they are stated. Be prepared for class everyday and respect should be given to everyone in the room.

Materials:

Students should bring the following materials everyday to class.

Science Notebook

Pencil or Pen (black or blue only)

*Folder

Textbook (need large cover)

Basic calculator for some units (this will be announced ahead of time)

Evaluation/ Grading Scale:

Grades will be based on, but not limited to, daily work, quizzes, portfolios, labs, and tests. Homework is worth 40% of your overall grade, while tests and quizzes are worth 30% each. Semester grades will be based on first quarter (45%), second quarter (45%) and a semester final (10%). Grades will be updated each week on Skyward. The school grading scale is:

100-90	A
89-80	B
79-70	C
69-60	D
59-0	F

Academic Honesty:

Plagiarism is a serious offence and will be treated as such. If you take any information from an outside source, it must be accurately documented. Any written work submitted for a grade without adequate documentation will be returned with no credit given for the paper. "Accidental plagiarism" should not occur and will not be considered an acceptable excuse. Academic honesty also applies to cheating. Using someone else's paper or allowing another student or students to use your work is considered dishonest and will result in a zero grade for all parties concerned.