

# Physical Science 8

## Course Syllabus



### Supervising Teacher

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### Course Description:

Physical Science 8

2 semesters

Grade 8

*The student will understand the process of physical science, measurement, the tools used, and the role of science in society. The student will develop an appreciation of: matter; the structure, composition, properties of matter; and energy.*

### Textbook Options:

#### Harcourt-Holt Option

This option is the best for grade-level students. Lots of practice and review options.

#### Required Books:

HARCOURT - HOLT Science & Technology, Physical Science Student Edition 2007 Edition. Catalog #0000026203

HARCOURT - HOLT Science & Technology, Physical Science Teacher Edition 2007 Edition. Catalog #0000026205

#### Highly Recommended Optional Items:

HARCOURT - HOLT Science & Technology, Physical Science Study Guide. Catalog #0000032465

HARCOURT - HOLT Science & Technology, Life Science, Earth Science, Physical Science Holt Science Skills Worksheets. Catalog #0000032460

HARCOURT - HOLT Science & Technology, Life Science, Earth Science, Physical Science Inquiry Lab. Catalog #0000032461

#### McGraw-Hill Glencoe Option

This option is good for students who struggle with more difficult concepts and need more support – online tests and quizzes are available.

#### Required Books:

MCGRAW-HILL - GLENCOE Introduction to Physical Science SE 2008 Edition. Catalog #0000053233

MCGRAW-HILL - GLENCOE Introduction to Physical Science TE 2008 Edition. Catalog #0000053234

#### Highly Recommended Optional Items:

MCGRAW-HILL - GLENCOE Life Science Physical Science Reading and Writing Skill Activities, Student Edition. Catalog #0000032508

#### Pearson-Prentice Hall Option

This option is for students who are more independent learners.

#### Required Books:

PEARSON - PRENTICE HALL Science Explorer: Physical Science Student Edition 2007 Edition. Catalog #0000026217

PEARSON - PRENTICE HALL Science Explorer: Physical Science Teacher Edition 2007 Edition. Catalog #0000026218

#### Highly Recommended Optional Items:

PEARSON - PRENTICE HALL Science Explorer: Physical Science Guided Reading and Study Workbook. Catalog #0000032527

PEARSON - PRENTICE HALL Science Explorer: Physical Science Physical Laboratory Manual. Catalog #0000032528

## Course Evaluation:

### **Home Participation and Portfolio: 100% of grade**

*Home participation is to be determined by the home educator. The participation may include, but is not limited to, textbook activities, quizzes, unit tests, projects, oral reports, or research papers. Grades for home participation will be submitted to the contact teacher. A portfolio of student work will be presented to the contact teacher once per semester.*

*A comprehensive semester examination is available upon request during exam week each semester. Semester examinations will be given in the home by the home educator.*

## Pacing Guide

The topics and standards for this course have been divided between the two semesters.

<b>Semester 1(Fall)</b>	<b>Semester 2 (Spring)</b>
Scientific Investigation/Nature of Science	Motion and Forces
Matter	Work, Power, and Energy
Elements, Compounds, Mixtures	Electricity, Electromagnetism, and Electronics
Atoms	Waves, Light, and Sound
Chemical interactions	

In order to fulfill this pacing requirement, the recommended texts have been broken down by chapter. Covering the chapters in the order listed will insure that all topics on the final exam will be covered during the appropriate semester.

### **Harcourt Holt: Science & Technology – Physical Science**

<b>Semester 1(Fall)</b>	<b>Semester 2 (Spring)</b>
Chapter 1	Chapters 5-7
Chapters 2-4	Chapters 8-10
Chapters 11-12	Chapters 17-19
Chapters 13-16	Chapters 20-23

### **McGraw-Hill/Glencoe: Introduction to Physical Science**

<b>Semester 1(Fall)</b>	<b>Semester 2 (Spring)</b>
Chapters 1-2	Chapters 10-12
Chapters 3-5	Chapters 13-15
Chapters 6-7	Chapters 16-19
Chapters 8-9	Chapters 20-22

### **Pearson Prentice Hall: Science Explorer – Physical Science**

<b>Semester 1(Fall)</b>	<b>Semester 2 (Spring)</b>
Chapter 1	Chapters 9-12
Chapters 2-3	Chapters 13-14
Chapters 4-5	Chapters 15-16
Chapters 6-7	Chapters 17-18
Chapters 8	Chapters 19-20
	Chapter 21-22

**I-DEA Student Honor Code:**

With any form of valid proof of dishonesty with regard to student work or testing, the instructor may elect from a range of actions. Academic dishonesty could lead to a zero grade for the assignment or even failure for the entire course following consultation between the instructor, Secondary Supervisor, and Director.

All students must adhere to the **Honor Code**:

*“On my honor, I will maintain the highest possible standards of honesty, integrity and personal responsibility. This means I will not lie, cheat or steal, and as a member of this academic community, I am committed to creating an environment of respect and mutual trust.”*

**Idaho Content Standards for Physical Science:**

[http://www.sde.idaho.gov/site/content\\_standards/science\\_standards\\_docs/Science8-9Phys.doc](http://www.sde.idaho.gov/site/content_standards/science_standards_docs/Science8-9Phys.doc)