

<b>Course Title: GRADE FOUR SCIENCE-B</b>	<b>Course Description</b>
<p><b>Course No.</b> N/A <b>Grade level:</b> 4</p> <p><b>Text and Resources:</b>  A. <i>Science: California Edition, Grade Four</i>; McGraw-Hill  B. <i>Practice Workbook</i>; McGraw-Hill  C. <i>Harcourt Science, California Edition</i>; Harcourt</p>	<p><b>Course Duration:</b> *One Semester</p> <p><b>Credit Value:</b> One Course</p>
<p align="center"><b>Course Content: Key Content Standards and Course Objectives</b></p>	
<p><b>The following are the standards for Grade Four Science:</b></p> <p><b><u>Physical Sciences</u></b>  1. Electricity and magnetism are related effects that have many useful applications in everyday life.</p> <p><b><u>Life Sciences</u></b>  1. All organisms need energy and matter to live and grow.  2. Living organisms depend on one another and on their environment for survival.</p> <p><b><u>Earth Sciences</u></b>  1. The properties of rocks and minerals reflect the processes that formed them.  2. Waves, wind, water and ice shape and reshape the Earth's land surface.</p> <p><b><u>Investigation and Experimentation</u></b></p> <p>Students will ask meaningful questions and conduct careful investigations addressing the content of other three strands.</p>	<p>This course continues the introduction of basic scientific concepts and the observations that support them. Students will study concepts related to the physical science, life science and earth science strands and will conduct investigations and experimentations related to those strands.</p> <p>The elementary and middle school science standards provide the foundational skills and knowledge for students to learn core concepts, principles, and theories of science at the high school level. The standards are organized in sets under broad concepts.</p> <p>*Open entry/open exit</p>
<p align="center"><b>Methods of Study</b></p>	<p align="center"><b>Evaluation of Performance Standards</b></p>
<p>1. Students will complete all activities assigned.  2. Students will participate in discussion with other class members and/or teacher.</p>	<p>1. Students will complete all assignments and assessments with a minimum of 70% accuracy.  2. The supervising teacher will be satisfied with the quality of the student's work.</p>

# GRADE FOUR SCIENCE B

## Course Outline

### I. Textbook Assignment Option

#### A. *Science: California Edition Grade Four (1 Course)*

- Read and complete all activities in Chapters 6-10.
- Complete all activities in Practice Workbook for Chapters 6-10.
- Complete one Extension Activity

#### B. *Harcourt Science, California Edition (1 Course)* (Direct Instruction or Course Contract)

### II. Extension Activities

- Pick one of the following topics and write a multiple paragraph composition:
  - Draw a light bulb and label its parts. Explain what parts of a light bulb are good conductors. Explain why the bulb gives off light.
  - Draw a flashlight and label its parts. Explain what each part of the flashlight does. Explain what causes the bulb to light.
- Create a chart about arthropods, the largest invertebrate phylum. Base your chart on the following arthropods: arachnids, centipedes and millipedes, crustaceans, and insects. Your chart should include a description of the body, where it lives, what it eats, special features, one interesting fact, and two examples of each.
- Pick one of the following to draw and label:
  - circulatory system
  - respiratory system
  - digestive system
  - excretory system
  - muscular and skeletal systems

For the system you picked, list what body parts the system consists of, where it is located in the body, what its job is, and what type of organisms have this system. Write a single paragraph describing how the system works.

- Write a single paragraph for each of the following questions: What is an earthquake? What causes them? What information can we learn from earthquakes? What are the different types of seismogram waves?
- Teacher generated activity, approved by the site administrator.

### III. Evaluation

- Unit and/or final test.
- All textbook work must meet the 70% accuracy level for a “C” grade.