

Course Title: GRADE FOUR SCIENCE-A	Course Description
<p>Course No. N/A Grade level: 4</p> <p>Text and Resources: A. <i>Science: California Edition, Grade Four</i>; McGraw-Hill B. <i>Practice Workbook</i>; McGraw-Hill C. <i>Focus on Science, Level D</i>; Steck-Vaughn D. <i>Harcourt Science, California Edition</i>; Harcourt</p>	<p>Course Duration: *One Semester</p> <p>Credit Value: One Course</p>
<p align="center">Course Content: Key Content Standards and Course Objectives</p>	
<p>The following are the standards for Grade Four Science that will be covered in this course:</p> <p><u>Life Sciences</u> 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><u>Earth Sciences</u> 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><u>Investigation and Experimentation</u> 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">Methods of Study</p>	<p align="center">Evaluation of Performance Standards</p>
<ol style="list-style-type: none"> Students will complete all activities assigned. Students will participate in discussion with other class members and/or teacher. 	<ol style="list-style-type: none"> Students will complete all assignments and assessments with a minimum of 70% accuracy. The supervising teacher will be satisfied with the quality of the student's work.

GRADE FOUR SCIENCE A

Course Outline

I. Textbook Assignment Options:

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

- Read and complete all activities in Chapters 1-5
- Complete all activities in Practice Workbook for Chapters 1-5.
- Complete one Extension Activity

B. *Focus on Science, Level D (1 Course)*

- Read and complete all activities in textbook.
- Complete one Extension Activity

C. *Harcourt Science, California Edition (1 Course)*

(Direct Instruction or Course Contract)

II. Extension Activities

- Write a multiple paragraph composition based on the following questions: How can you identify a living thing? Name three living things and explain why they are living things. Be sure to include the five basic life functions.
- Create a chart showing how organisms can be classified into six kingdoms. Include the key traits of organisms in each kingdom such as number of cells, whether or not it has a nucleus, how it gets food, and if it can move from place to place. Provide examples of organisms in each kingdom.
- Draw and label the rock cycle. Write two paragraphs comparing and contrasting how igneous rocks and sedimentary rocks are formed.
- Write a single paragraph for each of the following questions: What are producers, consumers, and decomposers? What affect do they have on the environment? What would happen if many producers suddenly died?
- 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.