

Alexandra Middle School
Science 8 Course Description
2009-2010

A. Primary Reference

SCIENCE FOCUS 8 - McGraw-Hill

B. Course Outline

<u>Concept</u>	<u>Text Unit</u>	<u>No. of periods</u>
<u>Introduction</u>		5
<u>Mix & Flow of Matter</u>	I	24
<u>Cells & Systems</u>	II	21
<u>Light & Optical Systems</u>	III	24
<u>Mechanical Systems</u>	IV	24
<u>Fresh & salt Water systems</u>	V	17
<u>Review</u>		5

C. Objectives

After completing this course students should be able to:

- ⇒ demonstrate a working knowledge and practical understanding of the sciences.
- ⇒ evaluate the value of scientific evidence.
- ⇒ understand the processes by which scientific knowledge is developed.
- ⇒ applies science concepts, theories and processes to the investigation of daily problems.
- ⇒ understand the relationship of science and technology.
- ⇒ demonstrate awareness of how science and technology can function responsibly in a social context.
- ⇒ recognize the limitations as well as the usefulness of science and technology in advancing human welfare.
- ⇒ demonstrate a continuing interest in science and technology.
- ⇒ practice safe and careful work habits in the lab situation.

D. Methodologies

One of the key objectives of the science program is to make the student an active and dynamic investigator of science -- using the processes of the scientist. Therefore, the program will endeavor to provide the student with the opportunity to learn and apply the processes of science.

E. Assignments and Projects

Students learn science by doing science. Both in-class and homework assignments will be given to students to provide them with an opportunity to learn through practise and investigation. It is expected that students will complete all assignments.

Unexcused late assignments may receive a reduced grade depending on the teacher's classroom policy.

Direct copying of each other's individual assignments by students is not acceptable and may result in a reduced grade.

F. Exams

Exams will be conducted throughout the year to help assess student progress in science-8. Students are expected to conduct themselves in an **honest** and **responsible** manner during the exam; if not the student may be sent to the principal for determination of culpability.

Students that have legitimately missed an exam will be given an opportunity to write the test.

G. Evaluation

The student's marks for each of the four report periods are based on class activities, assignments, quizzes and exams. **(-Labs & Assignments 50% -Quizzes & Exams 50%)**

The student's final grade is based upon the four report card marks and the final exam.

⇒ First Report - 20%

⇒ Second Report - 20%

⇒ Third Report - 20%

⇒ Fourth Report - 20%

Final Exam - 20%

H. Text Book Rental

Textbook rental fees will give students access to school textbooks. This text is school property and **must** be responsibly cared for.

Any damage beyond normal use will result in the assigned student being charged with a damage fee.