

## Course Title

SMHS

General Science A (P) – An Integrated Approach to Science

## Description of Target Group

This course is designed for students in grades 9 and 10 who plan to go to a four-year college or university.

## Purpose

The one-year course concentrates on the following aspects of science: measurement, matter, fluids, thermal energy, selected topics in biology, weather and earth.

## Standards of Expected Student Achievement

Upon completion of this course, students will be able to successfully demonstrate the following skills:

1. Explain the composition of material and the groups in which they are divided.
2. Recognize how material changes through its different states.
3. Show all living things carry on certain activities.
4. Explain the basic principles of human nutrition
5. Develop an understanding of several important systems of the body.
6. Use some important basic concepts about germ diseases.
7. Explain how gravity affects our environment.
8. Show how the earth is related to other heavenly bodies.
9. Show the importance of accurate measurement and relevance to the scientific method.
10. Recognize how earth's surface changes.
11. Recognize the component's of energy and how it relates to our lives.
12. Discuss the problems faced in conserving earth.

## Instructional Materials

Test and Supplementary Materials

Refer to: Secondary Adopted Texts and Approves Supplementary Books Used in the Santa Maria Joint Union High School District

## Activities

Students will spend time in study and researching printed material; students will work with visual aids and listen to lectures; laboratory experiments will be dealt with individually, in groups, or through teacher demonstrations.

**Course Title**  
**SMHS**

General Science B (P) – An Integrated Approach to Science

**Description of Target Group**

This course is designed for students in grades 9 and 10 who plan to go to a four-year college or university.

**Purpose**

The one-year course concentrates on the following aspects of science: measurement, matter, fluids, thermal energy, selected topics in biology, weather and earth.

**Standards of Expected Student Achievement**

Upon completion of this course, students will be able to successfully demonstrate the following skills:

1. Explain the composition of material and the groups in which they are divided.
2. Recognize how material changes through its different states.
3. Show all living things carry on certain activities.
4. Explain the basic principles of human nutrition
5. Develop an understanding of several important systems of the body.
6. Use some important basic concepts about germ diseases.
7. Explain how gravity affects our environment.
8. Show how the earth is related to other heavenly bodies.
9. Show the importance of accurate measurement and relevance to the scientific method.
10. Recognize how earth's surface changes.
11. Recognize the component's of energy and how it relates to our lives.
12. Discuss the problems faced in conserving earth.

**Instructional Materials**

Test and Supplementary Materials

Refer to: Secondary Adopted Texts and Approves Supplementary Books Used in the Santa Maria Joint Union High School District

**Activities**

Students will spend time in study and researching printed material; students will work with visual aids and listen to lectures; laboratory experiments will be dealt with individually, in groups, or through teacher demonstrations.

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