

OVERVIEW OF SCIENCE 7 UNDER THE MATATAG CURRICULUM

by:

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Science 7 under the MATATAG Curriculum is designed to help students develop a deep understanding of the natural world while building critical thinking, problem-solving, and scientific skills. The curriculum is learner-centered, emphasizing hands-on activities, experiments, and inquiry-based learning that connect scientific concepts to real-life experiences.

It covers core areas of science, including Earth and space science, life science, physical science, and Chemistry. In Chemistry, students learn about matter, its properties, states, and changes, as well as elements, compounds, and mixtures. They also explore physical and chemical changes, atoms and molecules, and basic laboratory techniques for observing and testing matter. In Earth and space science, they study the structure of the Earth, plate tectonics, earthquakes, volcanic eruptions, and the solar system, including how Earth's movements affect day, night, and seasons. Life science covers cells, plant and animal adaptations, cell divisions, types of reproduction, ecosystems, and interactions among living organisms. In the MATATAG curriculum, other added topics were added in science 7, which include weather patterns, monsoons, natural disasters, and scientific investigation skills, giving students both theoretical knowledge and practical application.

The MATATAG Curriculum promotes a hands-on, inquiry-based approach. Students are encouraged to ask questions, conduct experiments, analyze results, and work collaboratively on projects. For example, a class activity might involve observing physical and chemical changes in the laboratory or matching earthquake magnitudes with their effects on communities. These activities help students connect scientific

concepts to real-life situations while developing critical thinking and problem-solving skills. By combining knowledge, skills, and values, Science 7 under the MATATAG Curriculum builds a strong foundation for higher learning and empowers students to become thoughtful, scientifically literate individuals.

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