LEARNING AS ONE NATION
Expanded Project

Phys Sci (Physics)_QP

SHS LEARNING ACTIVITY

Name: _____ **Score/Mark:** _____
Grade and Section: _____ **Date:** _____
Strand: ☐ STEM ☐ ABM ☐ HUMSS ☐ ICT (*TVL Track*)
Subject: *Physical Science*
Type of Activity: ☐ Concept Notes ☐ Skills: Exercise/Drill ☐ Illustration
☐ Performance Task ☐ Essay/Report ☑ Others: Quarterly Plan

Activity Title: **Quarterly Plan of Activities in Physical Science - Physics**
Learning Target: To outline the topics to be taken up in the Physics portion of Physical Science.
References: *(Author, Title, Pages)*
1) Department of Education. (2020). Most Essential Learning Competencies Matrix, pp. 534-538;
2) J. A. Sadudaquil, CVIF–DLP Learning Activities

Subject Description:

This subject is designed to enhance the evolution of our understanding of motion, electricity, magnetism, light, and the universe from ancient times to the present. This also highlights the applications of physics concepts in contexts such as atmospheric phenomena, cosmology, astronomy, vision, medical instrumentation, and space technology.

Topic	LAS	Activity Title
Early Cosmological Studies	01	Types of Terrestrial and Gross Planetary Motions According to Ancient Greeks
	02	Ancient Astronomical Observations
	03	Kepler's Three Laws of Planetary Motion
Laws of Motion	04	Newton's First Law of Motion
	05	Newton's Second Law of Motion
	06	Newton's Third Law of Motion
Lights and Waves	07	Wave Model of Light
	08	Particle Model of Light
	09	Propagation, Reflection, and Refraction of Light
	10	Application of the Photon Concept
	11	Electron as Waves
	12	Dispersion, Scattering, Interferences, and Diffraction
	13	Various Light Phenomena
Special Relativity and General Relativity	14	Radio Pulses
	15	Special Relativity and General Relativity: Introduction
	16	Special Relativity: Postulates and Consequences
	17	General Relativity: Postulates and Consequences
Understanding the Universe	18	How Far-Off Objects are Studied
	19	Our Expanding Universe