

GRADE 10 PHYSICS TERM 2 LESSON PLANS

GRADE 10 PHYSICS LESSON PLAN: Week 1, Lesson 1

SCHOOL:

LEVEL:

LEARNING AREA:

DATE:

TIME:

ROLL:

WEEK 1: LESSON 1

Strand:

2.0 Waves and Optics

Sub Strand:

2.1 Properties of Waves

Specific Learning Outcomes:

By the end of the lesson, the learner should be able to:

1. Explain the meaning of waves as a transfer of energy without mass transport.
2. Discuss the importance of waves in nature and modern technology.

Key Inquiry Question(s):

What is a wave and where do we see waves in daily life?

Core Competencies, Values, and PCIs:

Core Competencies	Values	PCIs
Critical thinking and problem solving	Responsibility	Environmental awareness
Communication and collaboration	Integrity	Safety and security

Learning Resources:

Charts showing different wave types, videos of sea waves and sound ripples, and textbooks.

Organization of Learning:

Introduction (5 minutes):

Teacher introduces the concept of waves by asking learners to recall seeing ripples in water or hearing sound from a distance.

Students brainstorm examples of waves they encounter daily.

Lesson Development (30 minutes):

Step 1: Teacher defines a wave as a disturbance that propagates through a medium or space, carrying energy.

Step 2: Class discussion on common examples of waves such as light, sound, water waves, and radio signals.

Step 3: Learners analyze the importance of waves in communication (mobile phones) and medicine (ultrasound).

Step 4: Group activity where learners sketch different wave representations based on their observations from the video.

Conclusion (5 minutes):

Learners summarize the definition of a wave and its role in energy transfer.

Teacher asks oral questions to check for understanding of wave importance.

Extended Activities:

Learners to observe and list different waves encountered at home or during travel.

Teacher Self-Evaluation:

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