

GRADE 10 PHYSICS SCHEMES OF WORK FOR TERM 2

NAME OF THE TEACHER:.....

SCHOOL:..... YEAR:.....

Wk	Lsn	Strand	Sub-strand	Specific Learning Outcomes	Key Inquiry Question(s)	Learning Experiences	Learning Resources	Assessment Methods	Refl
1	1	2.0 Waves and Optics	2.1 Properties of Waves	Explain the meaning of waves and their importance in everyday life	What is a wave and where do we see waves in daily life?	Learners discuss examples of waves in nature and technology	Charts, videos of waves, textbooks	Oral questions, observation	
	2			Describe different types of waves	What types of waves exist around us?	Group discussion on mechanical and electromagnetic waves	Digital simulations, charts	Quiz	
	3			Explain wave properties such as wavelength	How do wavelength and frequency describe	Teacher demonstration using rope and water	Rope, ripple tank	Observation	

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				th and frequency	waves?	waves			
	4			Describe reflection and refraction of waves	Why do waves change direction when they meet surfaces?	Demonstrations using ripple tank	Ripple tank, mirrors	Practical assessment	
	5			Explain diffraction and interference	How do waves spread and interact?	Learners observe diffraction patterns	Ripple tank, diagrams	Written assignment	
2	1	2.0 Waves and Optics	2.1 Properties of Waves	Explain stationary waves	How do stationary waves form?	Experiment with vibrating strings	Strings, tuning forks	Observation	
	2			Describe resonance	Why do some objects vibrate strongly at certain frequencies?	Demonstration using tuning forks	Tuning forks	Oral questions	
	3			Explain Doppler	Why does the sound	Learners analyze	Audio recording	Quiz	