IMMACULATE CONCEPTION HIGH SCHOOL PHYSICS TERM 2 PLAN 2024			
GRADE:	**9**		
TERM:	**2**		
WEEK:	**DATE**	**TOPICS**	**OBJECTIVES**
1	**Jan. 10-12 (Days of Recollection)**	**Area**	**Area** **1.** Define area and use formulae to find the area of basic regular shapes. **2.** Use a grid to estimate the area of an irregular shape.
2	**Jan. 15-19**	**Area**	**1.** Convert between units of area. (eg $mm^2\ to\ m^2$) Emphasis to students that squared unit conversions are different from regular conversions.
3	**Jan 22 - 26**	**Volume** **Density**	**Volume** 1. Find the volume of an irregular solid using the displacement methods (measuring cylinder and eureka can). **2.** Convert between units of volume. (eg $mm^3\ to\ m^3$) Emphasis to students that cubic unit conversions are different from regular conversions. Also share the relationship $1ml = 1cm^3$ Define density. Use the density formula and be able to transpose it when necessary. **Coursework 1**

			Density lab
4	**Jan 29 – Feb 2**	**Graphs**	1. Definition 2. Graphs as a means of presenting data 3. Criteria (title, labels, types of plotted points, scale of axes)
5	**Feb.** **5– 9** **SPIRIT DAY** **Feb. 9**	Graphs 1. Best fit line 2. Gradient & intercepts 3. Extrapolation of data Revision of sixth week papers.	
6	**Feb 12- 14**	**Mid-Term Break**	
6	**Feb – 15-16**	**Feb 15 classes resumes**	**6 weeks revision and standardize** **Standardized Test 1** Density, Area & Volume
7	**19-23**	**6 weeks test 3**	
7	**Feb 26 – March 1**	**Electricity**	**Static Electricity** 1. Definition of static electricity 2. Charges and detection of charge 3. Production of static electricity - friction 4. Examples in nature 5. Hazards associated with static electricity

	Mar 5– 8	**Electricity**	**Current electricity** 1. Define current electricity – comparison with static electricity 2. Classification of substances as insulators and conductors of electricity 3. Definition of current & voltage 4. Relationship between voltage and current, resistance in a circuit. -Use formulas: V=IR & Q = I t 5. Definition of a circuit 6. Components of the circuit and their symbols Use of the voltmeter, ammeter and resistors in a circuit **Coursework 2** Test
10	**Mar. 11 – 15**	**Current Electricity**	**Current electricity** ● Differences between series and parallel circuits -How current and voltage varies in the components of the circuit. ● Identify circuit diagrams as series or parallel circuits
11	**Mar. 18 – 22**	**Current Electricity**	Electricity in the Home ● Series and parallel circuits in the home ● Safety devices used in circuits ● Electrical safety rules Electrical hazards
12	**Mar. 25 – 27** **School closes March 28th Term ends**	**Test 2 (one session)**	**Standardized Test 2** Static Electricity, Conductors and Insulators, Circuit symbols.
