

Sai Kung Sung Tsun Catholic School (Secondary Section)
S6 Physics Teaching Schedule and Evaluation (2020-2021)

Topic	List of Experiments	Teaching Period
Medical Physics		
1. Making sense of the eye and the ear	The eye model.	6
2. Medical imaging using non-ionizing radiation	Investigating the amplitude of echo from reflectors of different materials.	8
3. Medical imaging using ionizing radiation	To explore the differences in images obtained from various scans, such as ultrasound, gamma camera and CT, in relation to the information content from the images.	8
Energy and Use of Energy		
5. Lighting	Gathering and analysing information related to incandescent lamps, gas discharge lamps and light emitting diode (LED).	6
6. Cooking and Air-conditioning	Finding out the efficiency of electric hotplate and induction cooker	8
7. Different Sources of Energy	Using a motor-generator kit to show how electricity can be generated using mechanical energy. Measuring the voltage/ current output of a solar cell	8

Evaluation :

Term Result (100%) = First Term result (50%)* + Mock Examination (50%)

*First Term Result (100%) = Standardized Test (50%) + Course Work (50%)**

** Course Work (100%) = Test result (50%) + Online test result (10%) Homework and Laboratory Report (30%) + Electronic homework (10%)