



St. Joseph's College
Department of Physics
Teaching Syllabus (2024 – 2025)

HKDSE PHYSICS

	S3	S4	S5	S6
September	Heat and Gases <ul style="list-style-type: none"> Temperature, heat and internal energy 	Wave Motion <ul style="list-style-type: none"> Lenses Nature and properties of waves 	Force and Motion <ul style="list-style-type: none"> Revision Projectile motion 	Electricity and Magnetism <ul style="list-style-type: none"> Electromagnetic Induction
October	Heat and Gases <ul style="list-style-type: none"> Temperature, heat and internal energy 	Wave Motion <ul style="list-style-type: none"> Nature and properties of waves Light 	Force and Motion <ul style="list-style-type: none"> Uniform circular motion 	Electricity and Magnetism <ul style="list-style-type: none"> Electromagnetic Induction Radioactivity and Nuclear energy <ul style="list-style-type: none"> Radiation and radioactivity Atomic model Nuclear energy
November	Heat and Gases <ul style="list-style-type: none"> Temperature, heat and internal energy Change of state 	Wave Motion <ul style="list-style-type: none"> Light Sound 	Force and Motion <ul style="list-style-type: none"> Gravitation Electricity and Magnetism <ul style="list-style-type: none"> Circuit and domestic electricity 	Atomic World Rutherford's atomic model <ul style="list-style-type: none"> Photoelectric effect Bohr's atomic model of hydrogen Particles or waves Probing into nano scale
December	Heat and Gases <ul style="list-style-type: none"> Change of state 	Wave Motion <ul style="list-style-type: none"> Sound 	Electricity and Magnetism <ul style="list-style-type: none"> Circuit and domestic electricity 	Medical Physics <ul style="list-style-type: none"> Making sense of the eye and the ear Medical imaging using non-ionizing radiation Medical imaging using ionizing radiation
January	Heat and Gases <ul style="list-style-type: none"> Change of state 	Force and Motion <ul style="list-style-type: none"> Position and movement 	Electricity and Magnetism <ul style="list-style-type: none"> Circuit and domestic electricity 	Medical Physics <ul style="list-style-type: none"> Making sense of the eye and the ear Medical imaging using non-ionizing

				radiation • Medical imaging using ionizing radiation
February	Heat and Gases • Change of state • Transfer process	Force and Motion • Position and movement • Force and motion	Electricity and Magnetism • Circuit and domestic electricity	
March	Wave Motion • Reflection of light • Refraction of light	Force and Motion • Force and motion	Electricity and Magnetism • Electrostatics	
April	Wave Motion • Refraction of light • Total internal reflection	Force and Motion • Force and motion • Work, energy and power	Electricity and Magnetism • Electromagnetism	
May	Wave Motion • Lenses	Force and Motion • Work, energy and power • Momentum	Electricity and Magnetism • Electromagnetism • Electromagnetic Induction	
June	Wave Motion • Lenses	Force and Motion • Momentum	Electricity and Magnetism • Electromagnetic Induction	
July / August		Force and Motion • Projectile motion	Electricity and Magnetism • Electromagnetic Induction Heat and Gases • Gases	

Prepared by,



Mr. Godwin SZETO

Head

Department of Physics