



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

				radiation <ul style="list-style-type: none"> Medical imaging using ionizing radiation
February	Heat and Gases <ul style="list-style-type: none"> Change of state Transfer process 	Force and Motion <ul style="list-style-type: none"> Position and movement Force and motion 	Electricity and Magnetism <ul style="list-style-type: none"> Circuit and domestic electricity 	
March	Wave Motion <ul style="list-style-type: none"> Reflection of light Refraction of light 	Force and Motion <ul style="list-style-type: none"> Force and motion 	Electricity and Magnetism <ul style="list-style-type: none"> Electrostatics 	
April	Wave Motion <ul style="list-style-type: none"> Refraction of light Total internal reflection 	Force and Motion <ul style="list-style-type: none"> Force and motion Work, energy and power 	Electricity and Magnetism <ul style="list-style-type: none"> Electromagnetism 	
May	Wave Motion <ul style="list-style-type: none"> Lenses 	Force and Motion <ul style="list-style-type: none"> Work, energy and power Momentum 	Electricity and Magnetism <ul style="list-style-type: none"> Electromagnetism Electromagnetic Induction 	
June	Wave Motion <ul style="list-style-type: none"> Lenses 	Force and Motion <ul style="list-style-type: none"> Momentum 	Electricity and Magnetism <ul style="list-style-type: none"> Electromagnetic Induction 	
July / August		Force and Motion <ul style="list-style-type: none"> Projectile motion 	Electricity and Magnetism <ul style="list-style-type: none"> Electromagnetic Induction Heat and Gases <ul style="list-style-type: none"> Gases 	

Prepared by,



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