St. John's Senior School

Subject: Physics **Form: Lower 6**
Teacher: T. Vrionides **Term: Autumn 2025**

WEEK	WEEK BEGINNING	TOPIC
1	8th September	• 3.1.1 Use of SI units and their prefixes
2	15th September	• 3.1.2 Limitation of Physical Measurements
3	22nd September	• 3.1.3 Estimation of physical quantities
4	29th September	• 3.2.1.1 Constituents of the atom
5	6th October	• 3.2.1.1 Constituents of the atom
6	13th October	• 3.2.1.2 Stable and unstable nuclei
7	20th October	• 3.2.1.3 Particles, antiparticles and photons
		HALF - TERM
8	3rd November	• 3.2.1.5 Classification of particles
9	10th November	• 3.2.1.6 Quarks and antiquarks
10	17th November	• 3.2.1.7 Applications of conservation laws
11	24th November	• 3.2.2.1 The photoelectric effect
12	1st December	• 3.2.2.2 Collisions of electrons with atoms
13	8th December	• 3.2.2.3 Energy levels and photon emission

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WEEK	WEEK BEGINNING	TOPIC
1	6th January	• **MOCK EXAMINATIONS**
2	12th January	• **MOCK EXAMINATIONS**
3	19th January	• 3.2.2.4 Wave-particle duality
4	26th January	• 3.3.1.1 Progressive waves
5	2nd February	• 3.3.1.2 Longitudinal and transverse waves
6	9th February	• 3.3.1.3 Principle of superposition of waves and formation of stationary waves
		HALF - TERM
7	23rd February	• 3.3.2.1 Interference
8	2nd March	• 3.3.2.2 Diffraction
9	9th March	• 3.3.2.3 Refraction at a Plane Surface
10	16th March	• 3.4.1.1 Scalars and vectors
11	23rd March	• 3.4.1.2 Moments

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WEEK	WEEK BEGINNING	TOPIC
1	20th April	• 3.4.1.4 Projectile motion
2	27th April	• 3.4.1.5 Newton's laws of motion
3	5th May (Tuesday)	• 3.4.1.6 Momentum
4	11th May	• 3.4.1.7 Work, energy and power
5	18th May	• Consolidation
		HALF - TERM
6	1st June	• **END OF TERM EXAMINATIONS**
7	8th June	• 3.5.1.1 Basics of electricity; Current-voltage characteristics
8	15th June	• 3.5.1.4 Circuits
9	22nd June	• 3.5.1.5 Potential divider
10	29th June	• 3.5.1.6 Electromotive force and internal resistance
11	6th July	• Consolidation