

# St. John's Senior School



**Subject: Physics Year 1**  
**Teacher: Mr Layegh, Mrs Guerreiro**

**Form: Lower 6th**  
**Term: Autumn 2020**

WEEK	WEEK BEGINNING	TOPIC
1	7 <sup>th</sup> September	3.4.1.1 Scalars and vectors; 3.4.1.2 Moments
2	14 <sup>th</sup> September	3.4.1.3 Motion along a straight line
3	21 <sup>st</sup> September	3.4.1.4 Projectile motion
4	28 <sup>th</sup> September	3.4.1.5 Newton's laws of motion
5	5 <sup>th</sup> October	3.4.1.5 Newton's laws of motion
6	12 <sup>th</sup> October	<b>MINI TEST WEEK (1<sup>st</sup>- 6<sup>th</sup>)</b>
7	19 <sup>th</sup> October	3.4.1.8 Conservation of energy
<b>HALF - TERM</b>		
8	2 <sup>nd</sup> November	3.4.2.1 Bulk properties of solids
9	9 <sup>th</sup> November	3.4.2.2 The Young modulus
10	16 <sup>th</sup> November	3.5.1.1 Basics of electricity
11	23 <sup>rd</sup> November	3.5.1.2 Current–voltage characteristics
12	30 <sup>th</sup> November	3.5.1.3 Resistivity; 3.5.1.4 Circuits
13	7 <sup>th</sup> December	3.5.1.5 Potential divider; 3.5.1.6 Electromotive force and internal resistance
14	14 <sup>th</sup> December	3.2.1.1 Constituents of the atom; 3.2.1.2 Stable and unstable nuclei

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WEEK	WEEK BEGINNING	TOPIC
1	4 <sup>th</sup> January	<b>MOCK EXAMS (5<sup>th</sup> – 6<sup>th</sup>)</b>
2	11 <sup>th</sup> January	3.2.1.3 Particles, antiparticles and photons
3	18 <sup>th</sup> January	3.2.1.4 Particle interactions
4	25 <sup>th</sup> January	3.2.1.5 Classification of particles
5	1 <sup>st</sup> February	3.2.1.6 Quarks and antiquarks
6	8 <sup>th</sup> February	3.2.1.7 Applications of conservation laws
<b>HALF - TERM</b>		
7	22 <sup>nd</sup> February	3.2.2.1 The photoelectric effect
8	1 <sup>st</sup> March	3.2.2.2 Collisions of electrons with atoms; 3.2.2.3 Energy levels and photon emission
9	8 <sup>th</sup> March	3.2.2.4 Wave-particle duality
10	15 <sup>th</sup> March	3.3.1.1 Progressive waves
11	22 <sup>nd</sup> March	3.3.1.2 Longitudinal and transverse waves

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<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	19 <sup>th</sup> April	3.3.2.1 Interference; 3.3.2.2 Diffraction
2	26 <sup>th</sup> April	3.3.2.3 Refraction at a plane surface
3	3 <sup>rd</sup> May	3.1.1 Use of SI units and their prefixes
4	10 <sup>th</sup> May	3.1.2 Limitation of physical measurements
5	17 <sup>th</sup> May	3.1.3 Estimation of physical quantities
<b>HALF - TERM</b>		
6	31 <sup>st</sup> May	Revision and Past Paper Practice
7	7 <sup>th</sup> June	Revision and Past Paper Practice
8	14 <sup>th</sup> June	Revision and Past Paper Practice
9	21 <sup>st</sup> June	Revision and Past Paper Practice
10	28 <sup>th</sup> June	Revision and Past Paper Practice
11	5 <sup>th</sup> July	Revision and Past Paper Practice