

St. John's Senior School



Subject: Physics Year 1
Teacher: Mr Layegh

Form: Lower 6th
Term: Autumn 2019

WEEK	WEEK BEGINNING	TOPIC
1	2 nd September	3.4.1.1 Scalars and vectors; 3.4.1.2 Moments
2	9 th September	3.4.1.3 Motion along a straight line
3	16 th September	3.4.1.4 Projectile motion
4	23 rd September	3.4.1.5 Newton's laws of motion
5	30 th September	3.4.1.5 Newton's laws of motion
6	7 th October	MINI TEST WEEK (1st- 6th)
7	14 th October	3.4.1.8 Conservation of energy
HALF - TERM		
8	28 th October	3.4.2.1 Bulk properties of solids
9	4 th November	3.4.2.2 The Young modulus
10	11 th November	3.5.1.1 Basics of electricity
11	18 th November	3.5.1.2 Current–voltage characteristics
12	25 th November	3.5.1.3 Resistivity; 3.5.1.4 Circuits
13	2 nd December	3.5.1.5 Potential divider; 3.5.1.6 Electromotive force and internal resistance
14	9 th 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	6 th January	MOCK EXAMS (5th – 6th)
2	13 th January	3.2.1.3 Particles, antiparticles and photons
3	20 th January	3.2.1.4 Particle interactions
4	27 th January	3.2.1.5 Classification of particles
5	3 rd February	3.2.1.6 Quarks and antiquarks
6	10 th February	3.2.1.7 Applications of conservation laws
HALF - TERM		
7	24 th February	3.2.2.1 The photoelectric effect
8	2 nd March	3.2.2.2 Collisions of electrons with atoms; 3.2.2.3 Energy levels and photon emission
9	9 th March	3.2.2.4 Wave-particle duality
10	16 th March	3.3.1.1 Progressive waves
11	23 rd March	3.3.1.2 Longitudinal and transverse waves

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WEEK	WEEK BEGINNING	TOPIC
1	20 th April	3.3.2.1 Interference; 3.3.2.2 Diffraction
2	27 th April	3.3.2.3 Refraction at a plane surface
3	4 th May	3.1.1 Use of SI units and their prefixes
4	11 th May	3.1.2 Limitation of physical measurements
5	18 th May	3.1.3 Estimation of physical quantities
HALF - TERM		
6	1 st June	Revision and Past Paper Practice
7	8 th June	Revision and Past Paper Practice
8	15 th June	Revision and Past Paper Practice
9	22 nd June	Revision and Past Paper Practice
10	29 th June	Revision and Past Paper Practice
11	6 th July	Revision and Past Paper Practice