

St. John's Senior School



Subject: Physics Year 1

Form: Lower 6th

Teacher: Mr Layegh, Mrs Guerreiro

Term: Autumn 2020

WEEK	WEEK BEGINNING	TOPIC
1	6 th September	Scalars and vectors; Moments
2	13 th September	Motion along a straight line
3	20 th September	Projectile motion
4	27 th September	Newton's laws of motion
5	4 th October	MINI TEST WEEK (1st- 6th)
6	11 th October	Newton's laws of motion
7	18 th October	Conservation of energy
HALF - TERM		
8	1 st November	Bulk properties of solids
9	8 th November	The Young modulus
10	15 th November	Basics of electricity
11	22 nd November	Current–voltage characteristics
12	29 th November	Resistivity; Circuits
13	6 th December	Potential divider; Electromotive force and internal resistance

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Term: Spring 2022

WEEK	WEEK BEGINNING	TOPIC
1	3 rd January	MOCK EXAMS (5th – 6th)
2	10 th January	Particles, antiparticles and photons
3	17 th January	Particle interactions
4	24 th January	Classification of particles
5	31 st January	Quarks and antiquarks
6	7 th February	Applications of conservation laws
HALF - TERM		
7	21 st February	The photoelectric effect
8	28 th February	Collisions of electrons with atoms; Energy levels and photon emission
9	7 th March	Wave-particle duality
10	14 th March	Progressive waves
11	21 st March	Longitudinal and transverse waves
12	28 th March	Consolidation

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Term: Summer 2022

WEEK	WEEK BEGINNING	TOPIC
1	25 th April	Interference; 3.3.2.2 Diffraction
2	2 nd May	Refraction at a plane surface
3	9 th May	Use of SI units and their prefixes
4	16 th May	Limitation of physical measurements
5	23 rd May	Estimation of physical quantities
HALF - TERM		
6	6 th June	Revision and Past Paper Practice
7	13 th June	Revision and Past Paper Practice
8	20 th June	Revision and Past Paper Practice
9	27 th June	Revision and Past Paper Practice
10	4 th July	Revision and Past Paper Practice