

## St. John's Senior School



**Subject: Physics**

**Form: 4<sup>th</sup>**

**Teachers: Mr Beritsis, Mrs. Guerreiro**

**Term: Autumn 2020**

WEEK	WEEK BEGINNING	TOPIC
1	7 <sup>th</sup> September	Energy Changes
2	14 <sup>th</sup> September	Conservation of Energy & Energy and Work
3	21 <sup>st</sup> September	Required practical
4	28 <sup>th</sup> September	GPE & KE
5	5 <sup>th</sup> October	Energy Efficiency & Appliances
6	12 <sup>th</sup> October	<b>MINI TEST WEEK</b>
7	19 <sup>th</sup> October	Energy & Power Transferred by Conduction & IR Radiation
<b>HALF - TERM</b>		
8	2 <sup>nd</sup> November	S.H.C., Heating & Insulation
9	9 <sup>th</sup> November	Energy Demands & Energy From Wind / Water
10	16 <sup>th</sup> November	Power From the Sun and Earth & Energy and Environment
11	23 <sup>rd</sup> November	Required Practical
12	30 <sup>th</sup> November	<b>END OF TERM EXAMS (1<sup>st</sup> – 4<sup>th</sup>)</b>
13	7 <sup>th</sup> December	Big Energy Issues

# St. John's Senior School



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**Term: Spring 2021**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	5 <sup>th</sup> January	Electrical Charge
2	11 <sup>th</sup> January	Current Charge / PD & Resistance
3	18 <sup>th</sup> January	Component Characteristics
4	25 <sup>th</sup> January	Series & Parallel Circuits
5	1 <sup>st</sup> February	Required Practical
6	8 <sup>th</sup> February	<b>MINI TEST WEEK (1<sup>st</sup>- 4<sup>th</sup>)</b>
<b>HALF - TERM</b>		
7	22 <sup>nd</sup> February	AC Current, Cables and Plugs
8	1 <sup>st</sup> March	Electrical Power, Current and Efficiency
9	8 <sup>th</sup> March	Density & States of Matter
10	15 <sup>th</sup> March	Required Practical
11	22 <sup>nd</sup> March	Change of State, Internal Energy and Specific Latent Heat

# St. John's Senior School



**Subject: Physics**

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**Teacher: Mr. Beritsis, Mrs. Guerreiro**

**Term: Summer 2021**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	19 <sup>th</sup> April	Pressure & Volume / Temperature
2	26 <sup>th</sup> April	Atoms, Nucleus and Changes in the Nucleus
3	3 <sup>rd</sup> May	Alpha, Beta and Gamma & Half-life
4	10 <sup>th</sup> May	Required Practical
5	17 <sup>th</sup> May	Radiation in Medicine
6	24 <sup>th</sup> May	Fission & Fusion
<b>HALF - TERM</b>		
7	7 <sup>th</sup> June	Revision
8	14 <sup>th</sup> June	<b>END OF YEAR EXAMS (1<sup>st</sup>- Lower 6<sup>th</sup>)</b>
9	21 <sup>st</sup> June	Required Practical
10	28 <sup>th</sup> June	Introduction to Vectors, Scalars and Forces
11	5 <sup>th</sup> July	Consolidation