

# St. John's Senior School



**Subject: Physics**

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

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

**Term: Autumn 2019**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	2 <sup>nd</sup> September	Energy Changes
2	9 <sup>th</sup> September	Conservation of Energy & Energy and Work
3	16 <sup>th</sup> September	Required practical
4	23 <sup>rd</sup> September	GPE & KE
5	30 <sup>th</sup> September	Energy Efficiency & Appliances
6	7 <sup>th</sup> October	<b>MINI TEST WEEK</b>
7	14 <sup>th</sup> October	Energy & Power Transferred by Conduction & IR Radiation
<b>HALF - TERM</b>		
8	28 <sup>th</sup> October	S.H.C., Heating & Insulation
9	4 <sup>th</sup> November	Energy Demands & Energy From Wind / Water
10	11 <sup>th</sup> November	Power From the Sun and Earth & Energy and Environment
11	18 <sup>th</sup> November	Required Practical
12	25 <sup>th</sup> November	Big Energy Issues
13	2 <sup>nd</sup> December	<b>END OF TERM EXAMS (1<sup>st</sup> – 4<sup>th</sup>)</b>
14	9 <sup>th</sup> December	Electrical Charge

## St. John's Senior School



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**Form: 4<sup>th</sup>**  
**Term: Spring 2020**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	6 <sup>th</sup> January	Current Charge / PD & Resistance
2	13 <sup>th</sup> January	Component Characteristics
3	20 <sup>th</sup> January	Series & Parallel Circuits
4	27 <sup>th</sup> January	Required Practical
5	3 <sup>rd</sup> February	<b>MINI TEST WEEK (1<sup>st</sup>- 4<sup>th</sup>)</b>
6	10 <sup>th</sup> February	AC Current, Cables and Plugs
<b>HALF - TERM</b>		
7	24 <sup>th</sup> February	Electrical Power, Current and Efficiency
8	2 <sup>nd</sup> March	Density & States of Matter
9	9 <sup>th</sup> March	Required Practical
10	16 <sup>th</sup> March	Change of State, Internal Energy and Specific Latent Heat
11	23 <sup>rd</sup> March	Pressure & Volume / Temperature

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**Form: 4<sup>th</sup>**  
**Term: Summer 2020**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	20 <sup>th</sup> April	Atoms, Nucleus and Changes in the Nucleus
2	27 <sup>th</sup> April	Alpha, Beta and Gamma & Half-life
3	4 <sup>th</sup> May	Required Practical
4	11 <sup>th</sup> May	Radiation in Medicine
5	18 <sup>th</sup> May	Fission & Fusion
<b>HALF - TERM</b>		
6	1 <sup>st</sup> June	Revision
7	8 <sup>th</sup> June	<b>END OF YEAR EXAMS (1<sup>st</sup>- Lower 6<sup>th</sup>)</b>
8	15 <sup>th</sup> June	Required Practical
9	22 <sup>nd</sup> June	Introduction to Vectors, Scalars and Forces
10	29 <sup>th</sup> June	Consolidation
11	6 <sup>th</sup> July	Consolidation