

# St. John's Senior School



**Subject: Physics**  
**Teacher: T. Vrionides**

**Form: 4<sup>th</sup> Form**  
**Term: Autumn 2025**

WEEK	WEEK BEGINNING	TOPIC
1	8 <sup>th</sup> September	<ul style="list-style-type: none"><li>● P2 Energy Transfer by Conduction</li></ul>
2	15 <sup>th</sup> September	<ul style="list-style-type: none"><li>● Infrared Radiation - Required Practical 2.1</li></ul>
3	22 <sup>nd</sup> September	<ul style="list-style-type: none"><li>● Specific Heat Capacity</li></ul>
4	29 <sup>th</sup> September	<ul style="list-style-type: none"><li>● P3 Energy resources</li></ul>
5	6 <sup>th</sup> October	<ul style="list-style-type: none"><li>● Required practical 2.4</li></ul>
6	13 <sup>th</sup> October	<ul style="list-style-type: none"><li>● P4 Electrical Charges, Currents and Fields</li></ul>
7	20 <sup>th</sup> October	<ul style="list-style-type: none"><li>● Current and charge</li></ul>
HALF - TERM		
8	3 <sup>rd</sup> November	<ul style="list-style-type: none"><li>● Components</li></ul>
9	10 <sup>th</sup> November	<ul style="list-style-type: none"><li>● Series and parallel circuits</li></ul>
10	17 <sup>th</sup> November	<ul style="list-style-type: none"><li>● <b>END OF TERM EXAMINATIONS</b></li></ul>
11	24 <sup>th</sup> November	<ul style="list-style-type: none"><li>● P5 Electricity in the home</li></ul>
12	1 <sup>st</sup> December	<ul style="list-style-type: none"><li>● Electrical Charges, Currents and Fields</li></ul>
13	8 <sup>th</sup> December	<ul style="list-style-type: none"><li>● Potential Difference – Required Practical 4.3</li></ul>

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**Term: Spring 2026**

WEEK	WEEK BEGINNING	TOPIC
1	6 <sup>th</sup> January	● Series & Parallel Circuits – Required Practical 4.6
2	12 <sup>th</sup> January	● P5 Alternating Current, Cables and Plugs
3	19 <sup>th</sup> January	● Electrical Power and Potential Difference - Required Practical 4.4
4	26 <sup>th</sup> January	● <b>MINI TEST</b>
5	2 <sup>nd</sup> February	● Electrical Currents and Energy Transfer
6	9 <sup>th</sup> February	● P6 Density, States of Matter
<b>HALF - TERM</b>		
7	23 <sup>rd</sup> February	● Changes of State, Internal Energy – Required Practical 6.1
8	2 <sup>nd</sup> March	● Specific Latent Heat and Gas Laws
9	9 <sup>th</sup> March	● P7 Atoms and Radiation
10	16 <sup>th</sup> March	● Nucleus
11	23 <sup>rd</sup> March	● Half-life and Medical Uses

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**Term: Summer 2026**

WEEK	WEEK BEGINNING	TOPIC
1	20 <sup>th</sup> April	<ul style="list-style-type: none"> <li>Fission and Fusion</li> </ul>
2	27 <sup>th</sup> April	<ul style="list-style-type: none"> <li>Nuclear issues</li> </ul>
3	5 <sup>th</sup> May (Tuesday)	<ul style="list-style-type: none"> <li>P8 Forces in Balance</li> </ul>
4	11 <sup>th</sup> May	<ul style="list-style-type: none"> <li>Moments</li> </ul>
5	18 <sup>th</sup> May	<ul style="list-style-type: none"> <li>Centre of Mass</li> </ul>
<b>HALF - TERM</b>		
6	1 <sup>st</sup> June	<ul style="list-style-type: none"> <li><b>END OF TERM EXAMINATIONS</b></li> </ul>
7	8 <sup>th</sup> June	<ul style="list-style-type: none"> <li>Parallelogram</li> </ul>
8	15 <sup>th</sup> June	P9 Speed and Distance Time Graphs
9	22 <sup>nd</sup> June	<ul style="list-style-type: none"> <li>Velocity and Acceleration</li> </ul>
10	29 <sup>th</sup> June	<ul style="list-style-type: none"> <li>More About Velocity Time Graphs</li> </ul>
11	6 <sup>th</sup> July	<ul style="list-style-type: none"> <li>Analysing Motion Graphs</li> </ul>