

**S1/S2 PHYSICS SCHEME OF WORK**  
TERM 1 (Aug 13<sup>th</sup> – Nov 14<sup>th</sup> 2020 )

Weeks	Course Outline
Week 1 (August 13 -15)	Revision of General Science
Week 2 (Aug 17 -22)	Introduction to <b>ENERGY</b> : Types of Energy
Week 3 (Aug 24 - 29)	Energy stations  Energy in the home
Week 4 (Aug 31 – Sep 5)	Heat and Temperature
Week 5 (Sep 7 – Sep 12)	Heat and Temperature
Week 6 (Sep 14 – 19)	Cooling curve
Week 7 (Sep 21 – 26)	Heat Transfer through solids
Week 8 (Sep 28 – Oct 3)	Heat Transfer through Solids
Week 9 (Oct 5 - 10 )	Conduction in different metals

Week 10 (Oct 12 – 17)	<b>MID-TERM HOLIDAY</b>
Week 11 (Oct 19 – 24)	ASSESSMENT OF HALF TERM WORK Solution to the assessment and Revision of past questions.
Week 12 (Oct 26 – 31)	Conduction in different metals
Week 13 (Nov 2 – 7)	Insulator
Week 14 (Nov 9 - 14)	Spoon as a conductor and insulator
Nov 14 - 15	<b>END OF TERM 1</b>

## S1/S2 PHYSICS

TERM 2 (Nov 16<sup>th</sup> 2020 – Feb 27<sup>th</sup> 2021 )

Week 1 (Nov 16 – 21)	<b>INTRODUCTION TO CONVECTION</b>
Week 2 (Nov 23 – 28)	Convection in Liquids
Week 3 (Nov 30 – Dec 5)	Convection in Liquids
Week 4 (Dec 7 – 12)	Convection in gasses
Week 5 (Dec 14 -19)	Convection in gasses
Week 6 (Dec 21 – 23)	Convection in gasses
Week 6 - 7 (Dec 24 – Jan 5)	<b>WINTER BREAK</b>
Week 8 (Jan 6 – 9)	Sea Breezes – Convection

Week 9 (Jan 11 – 16)	<b>INTRODUCTION TO RADIATION</b>
Week 10 (Jan 18 – 23)	Radiation
Week 11 (Jan 25 – 30)	Examples of Radiation
Week 12 (Feb 1 – 5)	The best Radiator
<b>Feb (6 – 9)</b>	<b>MID-TERM HOLIDAY</b>
Week 13 (Feb 10 -13)	ASSESSMENT OF HALF TERM WORK Solution to the assessment Revision of half term work
Week 14 (Feb 15 -20)	Experiment on Radiation
Week 15 (Feb 22 – 27)	Experiment on Conduction and Convection
	<b>END OF TERM 2</b>

## S1/S2 PHYSICS

### TERM 3 (March 1<sup>st</sup> – June 26<sup>th</sup> 2021 )

Week 1 (March 1- 6)	Revision of past questions Term 1 and 2 topics
Week 2 (March 8 - 13)	Vacuum flask Theory
Week 3 (March 15 - 20)	Vacuum flask experiment
Week 4 (March 22 - 27)	Heat loss from home through cavity walls
Week 5 (March 29 – April 1st)	Heat loss from home through loft insulation
<b>Week 5 - 7 (April 2– 17)</b>	<b>APRIL HOLIDAY</b>
Week 8 (April 19 - 24)	Heat loss from home through double glazing
Week 9 (April 26 – May 1)	Heat Loss from home through curtains
Week 10 (May 3 - 8)	<b>MAY DAY, RAMADHAN/EID HOLIDAY</b>
Week 11 (May 10 - 15)	<b>RAMADHAN/EID HOLIDAY</b>
Week 12 (May 17 – 22)	Heat loss from home through Carpets and underlay
Week 13  (May 24 -29)	Summary of Heat loss from homes
May 28 <sup>th</sup> – May 31 <sup>st</sup> , 2021	<b>MID-TERM HOLIDAY</b>

Week 14 (May 31 – June 5)	Assessment and revision of past questions
Week 15 (June 7 – 12)	Social Behaviour
Week 16 (June 14 – 19)	Renewable Energy
Week 17 (June 21 – 26)	Renewable Energy
	<b>END OF TERM 3</b>