



Sandon Road, Meir, Stoke-on-Trent, ST3 7DF Telephone: 01782 377100 Fax: 01782 377101

Email: info@omera.co.uk Website: www.ormistonmeridianacademy.co.uk

Principal: Mrs C Stanyer

## Subject Physics TRILOGY Year 9 Curriculum Map 2019 - 2020

<https://www.aqa.org.uk/resources/science/gcse/trilogy/teach/schemes-of-work>

Week Commencing	Topic (including links to additional resources)	Assessment Window
02/09/2019 STAFF INSET 02 and 03/09 ALL STUDENTS IN 04/09	<b>P1 Energy</b> Lesson 1 – Energy stores and systems	
9/09/2019	Lesson 2 – Potential energy, equations and examples Lesson 3 – Kinetic energy, equations and examples	
16/09/2019	Lesson 4 – SHC, equation and practice	
23/09/2019	Lesson 5 – SHC required practical , aluminum blocks and heaters	
30/09/2019	Lesson 6 – Conservation and power	
07/10/2019	Lesson 7 – Reducing energy transfer Lesson 8 – Required practical, beakers and cooling of water	
14/10/2019	Lesson 9 – Efficiency, equation and kettle practical	
21/10/2019 STAFF INSET 25/10	Lesson 10 – Non-renewable energy Lesson 11 – Renewable energy	
October Half Term		
04/11/2019	Lesson 12 – Revision	
11/11/2019	AR1 Assessment DDI Wave 1	AR1
18/11/2019	DDI Wave 2	AR1
25/11/2019	Reassessment Consolidation lesson	
02/12/2019	<b>TOPIC P2 Electricity</b> Lesson 1- Current and circuit symbols Draw and interpret circuit diagrams, identify symbols	

Ormiston Meridian Academy is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.



9/12/2019	Lesson 2 – Resistance and Ohms Law, equation, calculations Lesson 3 - Resistance of a wire, *Required practical*, length of wire	
16/12/2019 END OF TERM 20/12	Lesson 4 - I-V Characteristics, diodes, lamps and resistors,	
Christmas Break		
06/01/2020	Lesson 5 - Resistance of a lamp, required practical*, lamps Lesson 6 – Circuit devices, thermistors, LDR'S	
13/01/2020	Lesson 7 – Series circuits, practical work, making circuits	
20/01/2020	Lesson 8 – Parallel circuits, practical work, making circuits Lesson 9 – Electricity at home, AC and DC, plugs practical	
27/01/2020	Lesson 10 - Power, equation, calculations	
3/02/2020	Lesson 11 – More on power, equation, calculations Lesson 12 – National Grid, transformer kit, diagrams	
10/02/2020 STAFF INSET 15/02	Lesson 13 – AR2 Preparation	
February Half Term		
24/02/2020	AR2 Preparation	
2/03/2020	AR1 Assessment	AR2
9/03/2020	DDI Wave 1 DDI Wave 2	AR2
16/03/2020	Reassessment	
23/03/2020	Lesson 14 – Static electricity, charge, attract and repel, electric field Lesson 15 – Electric fields	
30/03/2020	Lesson 16 – Recap	
Easter		
20/04/2020	<b>TOPIC P3 Particle model</b> Lesson 1 Particle model, solids , liquids and gases Lesson 2 Density of materials equation, using an equation, calculations	
27/04/2020	Lesson 3 Density of materials practical, *required practical*, density of irregular objects	
04/05/2020 BANK HOL 04/05	Lesson 4 Internal energy and state changes, melting, condensing, boiling etc. Lesson 5 Specific Latent Heat, graph of changing state, equation, calculations	
11/05/2020	Lesson 6 Pressure in gases, equation, calculations, work done	

Ormiston Meridian Academy is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.



18/05/2020	Lesson 7 Revision Lesson 8 Revision	
May Half Term		
01/06/2020	Lesson 9 Revision	
8/06/2020	Lesson 10 Revision Lesson 11 Review and consolidation lesson	
15/06/2020	AR3 Prep	
22/06/2020	AR4 Assessment DDI Wave 1	AR3
29/06/2020	DDI Wave 2	AR3
06/07/2020	Reassessment	
13/07/2020	Consolidation of all Year 9 Topics	

Ormiston Meridian Academy is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.

