

### Science at Key Stage 3

In year 7 and year 8 pupils will be taught two units per half term as shown below. After each half term the students will rotate to next specialism to promote maximum understanding and progress throughout the school year. Students will receive regular homework in the form of a weekly assessment or booklet.

<b>Rotations &amp; Teaching Schedule 2016-2017</b>			
<b>Year 9</b>			
<b>Year 7</b>			
<b>CB = Mrs C Beetham LC= Miss L Conn JOC= Mrs J O Connor</b>			
Date	7 set 1	7 set 2	7 set 3
05/09/2016-24/10/2016	Unit 1:Cells (LC) Unit 2: Reproduction (LC)	Unit 5: Acids (CB) Unit 6: Particles (CB)	Unit 9a: Electricity (JOC) Unit 9b Magnetism (JOC)
October Half Term			
07/11/2016-19/12/2016	Unit 9a: Electricity (JOC) Unit 9b Magnetism (JOC)	Unit 1:Cells (LC) Unit 2: Reproduction (LC)	Unit 5: Acids (CB) Unit 6: Particles (CB)
Christmas Holiday			
09/01/2017-06/02/2017	Unit 5: Acids (CB) Unit 6: Particles (CB)	Unit 9a: Electricity (JOC) Unit 9b Magnetism (JOC)	Unit 1:Cells (LC) Unit 2: Reproduction (LC)
February Half Term			
20/02/2017-03/04/2017	Unit 3: Differences (LC) Unit 4: Classification (LC)	Unit 7: Elements & Compounds (CB) Unit 8: Chemical Reactions (CB)	Unit10: Energy (JOC) Unit 11: Forces (JOC)
Easter Holiday			
24/04/2017-22/05/2017	Unit10: Energy (JOC) Unit 11: Forces (JOC)	Unit 3: Differences (LC) Unit 4: Classification (LC)	Unit 7: Elements & Compounds (CB) Unit 8: Chemical Reactions (CB)
May Half term			
05/06/2017-17/07/2017	Unit 7: Elements & Compounds (CB) Unit 8: Chemical Reactions (CB)	Unit10: Energy (JOC) Unit 11: Forces (JOC)	Unit 3: Differences (LC) Unit 4: Classification (LC)
Summer Holiday			
<b>Year 8</b>			
<b>CB = Mrs C Beetham LC= Miss L Conn JOC= Mrs J O Connor</b>			
Date	8 set 1	8 set 2	8 set 3
05/09/2016-24/10/2016	Unit 9: Heating & Cooling (JOC) Unit 10: Light (JOC)	Unit 1: Life Support (LC) Unit 2: Staying Healthy (LC)	Unit 5: The Periodic Table (CB) Unit 6: Inside Materials (CB)
October Half Term			
07/11/2016-19/12/2016	Unit 5: The Periodic Table (CB) Unit 6: Inside Materials (CB)	Unit 9: Heating & Cooling (JOC) Unit 10: Light (JOC)	Unit 1: Life Support (LC) Unit 2: Staying Healthy (LC)
Christmas Holiday			
09/01/2017-06/02/2017	Unit 1: Life Support (LC) Unit 2: Staying Healthy (LC)	Unit 5: The Periodic Table (CB) Unit 6: Inside Materials (CB)	Unit 9: Heating & Cooling (JOC) Unit 10: Light (JOC)
February Half Term			
20/02/2017-03/04/2017	Unit 11:Sound (JOC) Unit 12: Moving around (JOC)	Unit 3:People and the Environment (LC) Unit 4: Shaping Life (LC)	Unit 7: Metal Reactions (CB) Unit 8: What's in Rocks? (CB)
Easter Holiday			
24/04/2017-22/05/2017	Unit 7: Metal Reactions (CB) Unit 8: What's in Rocks? (CB)	Unit 11:Sound (JOC) Unit 12: Moving around (JOC)	Unit 3:People and the Environment (LC) Unit 4: Shaping Life (LC)
May Half term			
05/06/2017-17/07/2017	Unit 3:People and the Environment (LC) Unit 4: Shaping Life (LC)	Unit 7: Metal Reactions (CB) Unit 8: What's in Rocks? (CB)	Unit 11:Sound (JOC) Unit 12: Moving around (JOC)
Summer Holiday			

<b>CB = Mrs C Beetham LC= Miss L Conn JOC= Mrs J O Connor</b>			
<b>Date</b>	<b>9 set 1</b>	<b>9 set 2</b>	<b>9 set 3</b>
05/09/2016-24/10/2016	Unit 4: The Carbon Cycle (CB) Unit 5: Transport of the Future (CB) Unit 6: The Cost of your Drink (CB)	Unit 7: Earth and Space (JOC) Unit 8: Energy (JOC) Unit 9: Sport (JOC)	Unit 1: Variation (LC) Unit 2: Extremes (LC) Unit 3: Interdependence(LC)
October Half Term			
07/11/2016-19/12/2016	Unit 1: Variation (LC) Unit 2: Extremes (LC) Unit 3: Interdependence(LC)	Unit 4: The Carbon Cycle (CB) Unit 5: Transport of the Future (CB) Unit 6: The Cost of your Drink (CB)	Unit 7: Earth and Space (JOC) Unit 8: Energy (JOC) Unit 9: Sport (JOC)
Christmas Holiday			
09/01/2017-06/02/2017	Unit 7: Earth and Space (JOC) Unit 8: Energy (JOC) Unit 9: Sport (JOC)	Unit 1: Variation (LC) Unit 2: Extremes (LC) Unit 3: Interdependence(LC)	Unit 4: The Carbon Cycle (CB) Unit 5: Transport of the Future (CB) Unit 6: The Cost of your Drink (CB)
February Half Term			
20/02/2017-03/04/2017	End of KS3 Assessment & Testing (CB)	End of KS3 Assessment & Testing (JOC)	End of KS3 Assessment & Testing (LC)
Easter Holiday			
24/04/2017-22/05/2017	(Triple) GCSE C1 Atomic Structure (CB)	Combined (set 1) GCSE P1 (JOC)	Combined (set 2&3) GCSE B1 Cell Biology (LC)
May Half term			
05/06/2017-26/06/2017	(Triple) GCSE B1 Cell Biology (LC)	Combined (set 1) GCSE C1 Atomic Structure (CB)	Combined (set 2&3) GCSE P1 (JOC)
03/07/2017-17/07/2017	(Triple) GCSE P1 (JOC)	Combined (set 1) GCSE B1 Cell Biology (LC)	Combined (set 2&3) GCSE C1 Atomic Structure (CB)
Summer Holiday			

## Science at Key Stage 4

Science at Key Stage 4 is delivered by subject specialist wherever possible and involves students receiving access to all the science throughout the school year to aid maximum progress in all areas.

Homework is set either weekly or via a modulated homework booklet. Students in KS4 are welcome to bring these along to study support on a Thursday after school (3-4pm).

The following schedule is delivered at the teachers' discretion such that it may be adapted appropriately according to students' ability and progress.

Teachers should aim to have taught at least half the KS4 GCSE content in year 10.

Year 10				
CB = Mrs C Beetham (DC1= Mr D Clarkson) LC= Miss L Conn JOC= Mrs J O Connor				
Date	10 Triple Science	10 Set 1	10 Set 2	(10 Set 3)
05/09/2016-24/10/2016	B2: Organisation (LC) C2: Bonding(CB) P5: Forces (JOC)	B2: Organisation (LC) C2: Bonding(CB) P5: Forces (JOC)	B2: Organisation (LC) C2: Bonding(CB) P5: Forces (JOC)	B2: Organisation (LC) C2: Bonding(CB) P5: Forces (JOC)
October Half Term				
07/11/2016-19/12/2016	B2: Organisation (LC) C2: Bonding(CB) P1: Energy (JOC)	B2: Organisation (LC) C2: Bonding(CB) P1: Energy (JOC)	B2: Organisation (LC) C2: Bonding(CB) P1: Energy (JOC)	B2: Organisation (LC) C2: Bonding(CB) P1: Energy (JOC)
Christmas Holiday				
09/01/2017-06/02/2017	B3: Infection and Response (LC) C3: Quantitative Chemistry(CB) P2: Electricity (JOC)	B3: Infection and Response (LC) C3: Quantitative Chemistry(CB) P2: Electricity (JOC)	B3: Infection and Response (LC) C3: Quantitative Chemistry(CB) P2: Electricity (JOC)	B3: Infection and Response (LC) C3: Quantitative Chemistry(CB) P2: Electricity (JOC)
February Half Term				
20/02/2017-03/04/2017	B4: Bioenergetics (LC) C4: Chemical Changes (CB) P3: Particle Model of Matter (JOC)	B4: Bioenergetics (LC) C4: Chemical Changes (CB) P3: Particle Model of Matter (JOC)	B4: Bioenergetics (LC) C4: Chemical Changes (CB) P3: Particle Model of Matter (JOC)	B4: Bioenergetics (LC) C4: Chemical Changes (CB) P3: Particle Model of Matter (JOC)
Easter Holiday				
24/04/2017-22/05/2017	B4: Bioenergetics (LC) C4: Chemical Changes (CB) P3: Particle Model of Matter (JOC)	B4: Bioenergetics (LC) C4: Chemical Changes (CB) P3: Particle Model of Matter (JOC)	B4: Bioenergetics (LC) C4: Chemical Changes (CB) P3: Particle Model of Matter (JOC)	B4: Bioenergetics (LC) C4: Chemical Changes (CB) P3: Particle Model of Matter (JOC)
May Half term				
05/06/2017-17/07/2017	B4: Bioenergetics (LC) C5: Energy Changes (CB) P4: Atomic Structure (JOC)	B4: Bioenergetics (LC) C5: Energy Changes (CB) P4: Atomic Structure (JOC)	B4: Bioenergetics (LC) C5: Energy Changes (CB) P4: Atomic Structure (JOC)	B4: Bioenergetics (LC) C5: Energy Changes (CB) P4: Atomic Structure (JOC)
Summer Holiday				

<b>Year 11</b>				
<b>CB = Mrs C Beetham DC1= Mr D Clarkson LC= Miss L Conn JOC= Mrs J O Connor</b>				
<b>Date</b>	<b>11 Triple Science</b>	<b>11 Set 1</b>	<b>11 Set 2</b>	<b>11 Set 3</b>
<b>05/09/2016-24/10/2016</b>	B6: Brain & Mind (LC) C6: Chemical Synthesis (CB) P5: Electric Circuits(JOC)	B5: Growth and development (LC) C6: Chemical Synthesis(CB) Physics (PI) CCA (JOC)	B4: Processes of Life(LC) C6: Chemical Synthesis(CB) P3: Sustainable Energy (JOC) Physics (PI) CCA (JOC)	B1-B3 Revisit and Revise (DC1)
<b>October Half Term</b>				
<b>07/11/2016-19/12/2016</b>	B6: Brain & Mind (LC) C7: Further Chemistry (CB) Physics CCA(JOC)	B5: Growth and development (LC) C1-C3 Recap (CB) P3: Sustainable Energy (JOC)	B5: Growth and development (LC) C1-C3 revision (CB) P4: Explaining Motion (JOC)	C1-C3 Revisit and Revise (DC1)
<b>Christmas Holiday</b>				
<b>09/01/2017-06/02/2017</b>	B7: Further Biology (LC) C7: Further Chemistry (CB) P6: Radioactive Materials (JOC)	B6: Brain & Mind (LC) Recap C4-C6 (CB) P4: Explaining Motion (JOC)	B6: Brain & Mind (LC) C4-C6 Revision (CB) P5: Electric Circuits (JOC)	P1-P3 Revisit and Revise (DC1)
<b>February Half Term</b>				
<b>20/02/2017-03/04/2017</b>	Biology (LC) Chemistry CCA (CB) P7: Further Physics (JOC)	Data Analysis CCA(LC) Case Study CCA (CB) P5: Electric Circuits (JOC)	Data Analysis CCA(LC) Case Study CCA (CB) P6: Radioactive Materials (JOC)	Case Study CCA (DC1)
<b>Easter Holiday</b>				
<b>24/04/2017-22/05/2017</b>	Revision and Past paper practice (All teachers)	Revision and Past paper practice (All teachers) P6: Radioactive Materials (JOC)	Revision and Past paper practice (All teachers)	Revision and Past paper practice (DC1)
<b>May Half term</b>				
<b>05/06/2017-17/07/2017</b>	Exam Leave	Exam Leave	Exam Leave	Exam Leave
<b>Summer Holiday</b>				