

Science Department – Y11 Revision Plan

- Friday 4th March BTEC Unit 1 Applications of Science Exam
- Monday 16th May BTEC Unit 1 Principles of Science Exam

- Friday 10th June am Biology Further Additional
- Wednesday 15th June pm Chemistry Further Additional
- Friday 17th June am Physics Further Additional

Week:	BTEC Science: Applications of Science	Further Additional Science
1/02		<p>B3.1.1 Dissolved Substances</p> <ul style="list-style-type: none"> • my-gcse-science videos: Osmosis (13 mins), Exchange Surfaces (10 mins), Diffusion and Active Transport (7 mins) and Sports Drinks Evaluations (6 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 6-7 • AQA revision guide exam style questions pages 8-9 • Past paper questions: Foundation: June 2014 Q2 and Q3 Higher: June 2014 Q3
8/02	<p><u>Cells/tissues/organs</u></p> <ul style="list-style-type: none"> • BTEC revision Guide pages: 1-6 • BTEC revision workbook pages: 1-6 	<p>B3.1.2 Gaseous Exchange and B3.1.3 Exchange Systems in Plants</p> <ul style="list-style-type: none"> • my-gcse-science videos: Gaseous Exchange (6 mins), Artificial Aids to Breathing (5 mins), Exchange Systems in Plants (6 mins) and Transpiration and Water Loss (7 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 10-14 • AQA revision guide exam style questions pages 15-18 • Past paper questions: Foundation: January 2012 Q1, June 2013 Q7 and June 2014 Q4 Higher: June 2013 Q5 and June 2014 Q5
15/02 Half term	<p><u>Genetics</u></p> <ul style="list-style-type: none"> • BTEC revision Guide pages: 7-12 • BTEC revision workbook pages: 7-12 	<p>3.2 Transport Systems in Animals and Plants</p> <ul style="list-style-type: none"> • my-gcse-science videos: Heart and Circulation (12 mins), The Blood (7 mins), Artificial Blood and Hearts (10 mins), Transport Systems in Plants (8 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 19-24 • AQA revision guide exam style questions pages 25-28 • Past paper questions: Foundation: January 2012 Q5 and Q7, June 2012 Q1, Q2 and Q6, January 2013 Q3, June 2013 Q2 and Q5 and June 2014 Q1 Higher: January 2012 Q3, June 2012, Q4, January 2013 Q4, June 2013 Q1 and Q4 and June 2014 Q4
22/02	<p><u>Homeostasis</u></p> <ul style="list-style-type: none"> • BTEC revision Guide pages: 13,17,19 • BTEC revision workbook pages: 13,17,19 	<p>B3.3.1 Removal of Waste and Water Control</p> <ul style="list-style-type: none"> • my-gcse-science videos: Homeostasis and the Kidney (8 mins) and Kidney Transplant vs Dialysis (10 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 32-35 • AQA revision guide exam style questions pages 40-45 • Past paper questions: Foundation: January 2012 Q4, June 2012 Q4, January 2013 Q6, June 2013 Q2 and June 2014 Q5 Higher: January 2012 Q6, June 2012 Q5 and January 2013 Q5
29/02	<p>Friday 4th March BTEC Unit 1 Applications of Science Exam</p> <p><u>Nervous system</u></p> <ul style="list-style-type: none"> • BTEC revision Guide pages: 14,15,16,18 	<p>B3.3.2 Temperature Control and B3.3.3 Sugar Control</p> <ul style="list-style-type: none"> • my-gcse-science videos: Temperature Control (8 mins) and Control of Blood Glucose (11 mins) • my-gcse-science exam questions

	<ul style="list-style-type: none"> BTEC revision workbook pages: 14,15,16,18 	<ul style="list-style-type: none"> AQA revision guide notes and summary questions pages: 36-39 AQA revision guide exam style questions pages 40-45 Past paper questions: Foundation: June 2013 Q3 and Q4 Higher: June 2013 Q6 and Q7 and June 2014 Q7
7/03	<u>Atomic structure</u> <ul style="list-style-type: none"> BTEC revision Guide pages: 22-26 BTEC revision workbook pages: 22-26 	B3.4 Humans and their Environment <ul style="list-style-type: none"> my-gcse-science videos: Human Population Growth (6 mins), Deforestation (7 mins), Biogas Production (6 mins), Food Production (12 mins) and Food Production Evaluation (3 mins): my-gcse-science exam questions AQA revision guide notes and summary questions pages 46-53 AQA revision guide exam style questions pages 54-57 Past paper questions: Foundation: January 2012 Q6, June 2012 Q7, January 2013 Q4 and Q5, June 2013 Q1, Q6 and Q8 and June 2014 Q6 and Q7 Higher: January 2012 Q4, January 2013 Q3 and Q6 and June 2014 Q1, Q2 and Q7/
14/03	<u>Electronic structure & isotopes</u> <ul style="list-style-type: none"> BTEC revision Guide pages: 27-31 BTEC revision workbook pages: 27-31 	C3.1 The Periodic Table <ul style="list-style-type: none"> my-gcse-science videos: The Early Periodic Table (5 mins), The Modern Periodic Table (3 mins), Group 1- The Alkali Metals (3 mins), The Transition Metals (4 mins), Group7- The Halogens (8 mins) and Explaining Trends in Reactivity (7 mins) my-gcse-science exam questions AQA revision guide notes and summary questions pages 61-66 AQA revision guide exam style questions pages 67-70 Past paper questions: Foundation: January 2012 Q1 and Q3, June 2012 Q1 and Q7, January 2013 Q1, June 2013 Q1, Q5 and Q7 and June 2014 Q1 Higher: January 2012 Q1, June 2012 Q3 and Q6, January 2013 Q1, June 2013 Q1 and June 2014 Q3
21/03	<u>Compounds</u> <ul style="list-style-type: none"> BTEC revision Guide pages: 32-35 BTEC revision workbook pages: 32-35 	C3.2 Water <ul style="list-style-type: none"> my-gcse-science videos: Hard and Soft Water (6 mins), Softening Hard Water (7 mins) and Purifying Water (8 mins) my-gcse-science exam questions AQA revision guide notes and summary questions pages 71-74 AQA revision guide exam style questions pages 75-78 Past paper questions: Foundation: January 2013 Q3, June 2013 Q6 and Q9 and June 2014 Q2 and Q7 Higher: January 2012 Q3, June 2013 Q4 and June 2014 Q1 and Q4
28/03 Easter Holiday	<u>Acids & Bases</u> <ul style="list-style-type: none"> BTEC revision Guide pages: 36-39 BTEC revision workbook pages: 36-39 	C3.3 Calculating and Explaining Energy Change <ul style="list-style-type: none"> my-gcse-science videos: Calorimetry (10 mins), Energy Level Diagrams (15 mins) and Hydrogen for Fuel (5 mins) my-gcse-science exam questions AQA revision guide notes and summary questions pages 79-83 AQA revision guide exam style questions pages 84-87 Past paper questions: Foundation: January 2012 Q5, June 2012 Q3, January 2013 Q5 and Q7 and June 2014 Q5 Higher: June 2012 Q7, January 2013 Q7, June 2013 Q7 and June 2014 Q6
04/04 Easter Holiday	<u>Gas tests & Balancing equations</u> <ul style="list-style-type: none"> BTEC revision Guide pages: 41-46 BTEC revision workbook pages: 41-46 	C3.4 Further Analysis and Quantitative Chemistry <ul style="list-style-type: none"> my-gcse-science videos: Testing for Positive Ions- Flame Tests (6 mins), Tests for Negative Ions (4 mins), Titration- the Method (5 mins) and Titration Calculations (14 mins) my-gcse-science exam questions

		<ul style="list-style-type: none"> • AQA revision guide notes and summary questions pages 91-94 • AQA revision guide exam style questions pages 95-98 • Past paper questions: Foundation: January 2012 Q6, June 2012 Q5, January 2012 Q2 and Q4, June 2013 Q2 and June 2014 Q3 and Q6 Higher: June 2012 Q4 and Q5, January 2013 Q4, June 2013 Q3 and Q5 and June 2014 Q7
11/04	<u>Energy</u> <ul style="list-style-type: none"> • BTEC revision Guide pages: 47-51 • BTEC revision workbook pages: 47-51 	C3.5 The Production of Ammonia <ul style="list-style-type: none"> • my-gcse-science videos: Making Ammonia- Haber Process (4 mins) and Making Ammonia- Explaining Conditions (13 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 99-102 • AQA revision guide exam style questions pages 103-106 • Past paper questions: Foundation: June 2013 Q1 and June 2014 Q4 Higher: June 2013 Q6 and June 2012 Q5
18/04	<u>Energy Efficiency</u> <ul style="list-style-type: none"> • BTEC revision Guide pages: 52-54, 57 • BTEC revision workbook pages: 52-54, 57 	C3.6 Alcohols, Carboxylic Acids and Esters <ul style="list-style-type: none"> • my-gcse-science videos: The Alcohols (7 mins), Alcohols II (2 mins), Carboxylic Acids (10 mins) and The Esters (5 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 107-111 • AQA revision guide exam style questions pages 112-115 • Past paper questions: Foundation: January 2012 Q4, June 2012 Q4, June 2013 Q 8 and June 2014 Question 8 Higher: June 2013 Q2 and June 2014 Q2.
25/04	<u>Energy Sources</u> <ul style="list-style-type: none"> • BTEC revision Guide pages: 55-56 • BTEC revision workbook pages: 55-56 	P3.1.1 X-Rays and P3.1.2 Ultrasound <ul style="list-style-type: none"> • my-gcse-science videos: X-Rays (7 mins) and Ultrasounds (8 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 119-122 • AQA revision guide exam style questions pages 123-125 • Past paper questions: Foundation: January 2012 Q4, January 2013 Q2 and Q8, June 2013 Q8 and June Q1 and Q7 Higher: January 2012 Q5 and June 2013 Q3
02/05	<u>Waves</u> <ul style="list-style-type: none"> • BTEC revision Guide pages: 60-61 • BTEC revision workbook pages: 60-61 	P3.1.3 Lenses <ul style="list-style-type: none"> • my-gcse-science videos: Refractive Index (6 mins), Convex Lenses (9 mins), Concave Lenses (5 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 126-130 • AQA revision guide exam style questions pages 136-137 and 140 • Past paper questions: Foundation: January 2012 Q5 Higher: January 2012 Q4 and June 2013 Q1
9/05	<u>Electromagnetic Spectrum</u> <ul style="list-style-type: none"> • BTEC revision Guide pages: 62-69 • BTEC revision workbook pages: 62-69 	P3.1.4 The Eye and P3.1.5 Other Applications of Light <ul style="list-style-type: none"> • my-gcse-science videos: The Eye (8 mins), Focal Length and Lens Power (7 mins) and Total Internal Reflection (12 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 131-135 and 141-142 • AQA revision guide exam style questions pages 138-139 and 143-144 • Past paper questions: Foundation: January 2012 Q1, January 2013 Q9, June 2013 Q7 and June 2014 Q3 Higher: June 2014 Q5

16/05 BTEC EXAM	Monday 16th May BTEC Unit 1 Applications of Science Exam	<p>P3.2.1 Centre of Mass and P3.2.2 Moments</p> <ul style="list-style-type: none"> • my-gcse-science videos: Centre of Mass (5 mins), Pendulums (6 mins), Moments (11 mins), Moments II (6 mins) and Stability (5 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 148-153 • AQA revision guide exam style questions pages 156- 158 • Past paper questions: Foundation: January 2012 Q3, June 2012 Q4 and Q8, January 2013 Q7, June 2013 Q3 and Q4 and June 2014 Q2 and Q4 Higher: January 2012 Q6, June 2012 Q6, January 2013 Q3 and Q6, June 2013 Q2 and Q6 and June 2014 Q4 and Q6
30/5 Half Term		<p>P3.2.3 Hydraulics and P3.2.4 Circular Motion</p> <ul style="list-style-type: none"> • my-gcse-science videos: Hydraulics (8 mins) and Circular Motion (7 mins) • my-gcse-science exam questions • AQA revision guide notes and summary questions pages 154-155 and 159-160 • AQA revision guide exam style questions page 168 • Past paper questions: Foundation: June 2012 Q7, January 2013 Q4 and Q5, June 2013 Q5 and Q6 and June 2014 Q5 and Q8 Higher: January 2013 Q8, June 2013 Q4 and Q5 and June 2014 Q and Q8
6/6/2016		Friday 10th June am Biology Unit 3 Exam
13/06/2016		Wednesday 15th June pm Chemistry Unit 3 Exam Friday 17th June am Physics Unit 3 Exam