

Year: 12

Subject: BTEC Applied Science - Physics

	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	
Half Term 1 (6 th Sept – 22 nd October) 7 weeks	Working with Waves ●							October Half Term Holiday
	Wk8	Wk9	Wk10	Wk11	Wk12	Wk13	Wk14	
Half Term 2 (1 st November- 17 th December) 7 weeks	Waves in Communication							February Half Term Holiday
	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20	Wk21	
Half Term 3 (4 th January – 18 th February) 7 weeks	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27 LC1	Easter Holiday	What does this year contribute towards? The physics content will be assessed at the end of the year in a 40 minute exam to be sat in the summer. This exam paper will have a total of 30 marks but it will be graded alongside papers for biology and physics. It contributes 90GLH towards the qualification. How does this year deliver the curriculum intent? The vocational nature of the physics topics should inspire and encourage students to have an appreciation of the relevance and vast impact that Science has on the local community and wider world. Indicates a key assessment ●
	Exams ●		Uses of Electromagnetic Waves					
Half Term 4 (28 th February - 08 th April) 6 weeks	Wk28	Wk29	Wk30	Wk31	Wk32	May Half Term Holiday		
	Uses of Electromagnetic Waves			Revision				
Half Term 5 (25 th April – 27 th May) 5 weeks	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38 LC2	Wk39	
	Revision		Exams ●		Unit 2			
Half Term 6 (6 th June – 20 th July) 7 weeks								





Year: 12

Subject: BTEC Applied Science - Chemistry

	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7		
Half Term 1 (6 th Sept – 22 nd October) 7 weeks	Structure and Bonding in Applications of Science							October Half Term Holiday	
Half Term 2 (1 st November-17 th December) 7 weeks	Wk8	Wk9	Wk10	Wk11	Wk12	Wk13	Wk14	Christmas Holiday	
Half Term 3 (4 th January – 18 th February) 7 weeks	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20	Wk21	February Half Term Holiday	
Half Term 4 (28 th February - 08 th April) 6 weeks	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27 <small>LC1</small>	Easter Holiday	What does this year contribute towards? The chemistry content will be assessed at the end of the year in a 40 minute exam to be sat in the summer. This exam paper will have a total of 30 marks but it will be graded alongside papers for biology and physics. It contributes 90GLH towards the qualification. How does this year deliver the curriculum intent? Throughout this unit students are taught how chemistry is applied in the world and students are encouraged to consider future careers or areas of study. Indicates a key assessment	
Half Term 5 (25 th April – 27 th May) 5 weeks	Wk28	Wk29	Wk30	Wk31	Wk32	May Half Term Holiday			
Half Term 6 (6 th June – 20 th July) 7 weeks	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38 <small>LC2</small>	Wk39		Summer Holiday




Year: 12

Subject: BTEC Applied Science - Biology

	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7		
Half Term 1 (6 th Sept – 22 nd October) 7 weeks	<div style="text-align: center;">  Cell Structure and Function - VKE </div>							October Half Term Holiday	
Half Term 2 (1 st November - 17 th December) 7 weeks	Wk8	Wk9	Wk10	Wk11	Wk12	Wk13	Wk14	Christmas Holiday	
	<div style="text-align: center;"> Cell Specialisation - LTE </div>								
Half Term 3 (4 th January – 18 th February) 7 weeks	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20	Wk21	February Half Term Holiday	
	<div style="text-align: center;"> Cell Specialisation - LTE </div>			<div style="text-align: center;"> Tissue Structure and Function - LTE </div>					
Half Term 4 (28 th February - 08 th April) 6 weeks	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27 LC1	Easter Holiday	<p>What does this year contribute towards? The physics content will be assessed at the end of the year in a 40 minute exam to be sat in the summer. This exam paper will have a total of 30 marks but it will be graded alongside papers for biology and physics. It contributes 90GLH towards the qualification. How does this year deliver the curriculum intent? The vocational nature of the physics topics should inspire and encourage students to have an appreciation of the relevance and vast impact that Science has on the local community and wider world.</p> <p>Indicates a key assessment </p>	
	<div style="text-align: center;">  Exams </div>		<div style="text-align: center;"> Tissue Structure and Function - LTE </div>						
Half Term 5 (25 th April – 27 th May) 5 weeks	Wk28	Wk29	Wk30	Wk31	Wk32	May Half Term Holiday			
	<div style="text-align: center;"> Tissue Structure and Function - LTE </div>			<div style="text-align: center;"> Revision </div>					
Half Term 6 (6 th June – 20 th July) 7 weeks	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38 LC2	Wk39		Summer Holiday
	<div style="text-align: center;"> Revision </div>		<div style="text-align: center;">  Exams </div>		<div style="text-align: center;"> Unit 2 </div>				



Year: 12


Subject: BTEC Applied Science – Unit 2

Half Term 1 (6 th Sept – 22 nd October) 7 weeks	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	October Half Term Holiday	
	Unit 2 Learning Aim B Calorimetry - LTE								
Half Term 2 (1 st November-17 th December) 7 weeks	Wk8	Wk9	Wk10	Wk11	Wk12	Wk13	Wk14	Christmas Holiday	
			Unit 2 Learning Aim A Titration and Colorimetry - VKE						
Half Term 3 (4 th January – 18 th February) 7 weeks	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20	Wk21	February Half Term Holiday	
	Unit 2 Learning Aim A Titration and Colorimetry - VKE				Unit 2 Chromatography - VKE				
Half Term 4 (28 th February - 08 th April) 6 weeks	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27 <small>LC1</small>	Easter Holiday	<p>What does this year contribute towards? This unit comprises 25% towards the Extended Certificate in Applied Science. It is assessed through practical work and assignments. How does this year deliver the curriculum intent? Our vision is to produce outstanding future scientists, but to also instil the vital transferable scientific skills. In Unit 2 students carry out practical experiments developing their technical skills along with their interpersonal and communication skills.</p> <p>Indicates a key assessment </p>	
	Unit 2 Chromatography - VKE								
Half Term 5 (25 th April – 27 th May) 5 weeks	Wk28	Wk29	Wk30	Wk31	Wk32	May Half Term Holiday			
	Unit 2 How Am I Doing? – VKE								
Half Term 6 (6 th June – 20 th July) 7 weeks	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38 <small>LC2</small>	Wk39		Summer Holiday
							Unit 2 How Am I Doing? – VKE		

Year: 13

Subject: BTEC Applied Science Unit 3 and Unit 12

	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	
Half Term 1 (6 th Sept – 22 nd October) 7 weeks	Unit 12 Learning Aim A				Unit 3 Plants			October Half Term Holiday
	Science Investigations - Enzymes					Unit 3 Electrical Circuits		
	Wk8		Wk9 LC1	Wk10	Wk11	Wk12	Wk13	
Half Term 2 (1 st November-17 th December) 7 weeks	Unit 3 Plants		 Mock Exam		Unit 3 Diffusion			Christmas Holiday
	Unit 3 Electrical Circuits				Unit 3 Fuels			
	Wk15	Wk16	Wk17	Wk18	Wk19 LC2	Wk20	Wk21	
Half Term 3 (4 th January – 18 th February) 7 weeks	 Unit 3 Practical Exam, Revision and Written Exam			Unit 12 Learning Aim D				February Half Term Holiday
				Unit 12 Learning Aim C				
	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Easter Holiday	
Unit 12 Learning Aim D			Revision for Unit 1 and Unit 3 resits.					
Unit 12 Learning Aim C								
Half Term 5 (25 th April – 27 th May) 5 weeks	Wk28	Wk29 LC3	Wk30	Wk31	Wk32	May Half Term Holiday		
	Revision for Unit 1 and Unit 3 resits.							
Half Term 6 (6 th June – 20 th July) 7 weeks	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Summer Holiday

What does this year contribute towards? Unit 3 contributes 33.3% of the final grade of the Extended Certificate in Applied Science. Unit 12 contributes 16.6% towards the grade of the Extended Certificate. **How does this year deliver the curriculum intent?** Unit 3 provides multiple practical opportunities where students design investigations make observations, and collect and analyse data. Unit 12 teaches students about disease and ensures they understand the vast impact that Science has on the local community and wider world. **Indicates a key assessment** 

Year: 13

Subject: BTEC Applied Science Unit 1 and Unit 2

	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	
Half Term 1 (6 th Sept – 22 nd October) 7 weeks	Unit 1							October Half Term Holiday
	Unit 2 Learning Aim A Titration and Colorimetry							
Half Term 2 (1 st November-17 th December) 7 weeks	Wk8	Wk9 LC1	Wk10	Wk11	Wk12	Wk13	Wk14	Christmas Holiday
	Unit 1							
	Unit 2 Learning Aim B Calorimetry							
Half Term 3 (4 th January – 18 th February) 7 weeks	Wk15	Wk16	Wk17	Wk18	Wk19 LC2	Wk20	Wk21	February Half Term Holiday
	Unit 1 Exam Preparation		Unit 2 Learning Aim D Review					
	Unit 2 Learning Aim C Chromatography							
Half Term 4 (28 th February - 08 th April) 6 weeks	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Easter Holiday	What does this year contribute towards? Unit 1 covers biology, chemistry and physics and contributes 25% of the overall grade. Unit 1 is assessed by exam. Unit 2 comprises 25% towards the Extended Certificate in Applied Science. It is assessed through practical work and assignments. How does this year deliver the curriculum intent? Unit 3 provides multiple practical opportunities where students design investigations make observations, and collect and analyse data. Unit 12 teaches students about disease and ensures they understand the vast impact that Science has on the local community and wider world. Indicates a key assessment
	Unit 2 Learning Aim D		Revision for Unit 1 and Unit 3 resits.					
Half Term 5 (25 th April – 27 th May) 5 weeks	Wk28	Wk29 LC3	Wk30	Wk31	Wk32	May Half Term Holiday		
	Revision for Unit 1 and Unit 3 resits.							
Half Term 6 (6 th June – 20 th July) 7 weeks	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	