

Continuity Curriculum

An online shadow curriculum for students temporarily out of lessons to ensure continuity of learning

Year 11 – Physics (Trilogy Combined Science)

Week Beginning	Lesson Title	Lesson Objective (on video)	Online Lesson Link	Any additional instructions?
8 th September	Lesson 1: Speed distance and time	<ul style="list-style-type: none"> • Define speed • Use the speed equation • Rearrange the speed equation • Interpret distance-time graphs • Determine speed from a distance-time graph 	<p>https://continuityoak.org.uk/Lessons?r=1886</p> <p>https://continuityoak.org.uk/Lessons?r=1925</p>	
	Lesson 1: Acceleration	<p>Define acceleration</p> <p>Use the acceleration equation</p>		

15 th September		Use the uniform acceleration equation	https://continuityoak.org.uk/Lessons?r=1887	
22 nd September	Lesson 1: Velocity and Acceleration	State what velocity is Interpret a velocity time graph Determine acceleration from a velocity time graph	https://continuityoak.org.uk/Lessons?r=1888	
	Lesson 2:			
29 th September	Lesson 1: Terminal Velocity	Define terminal velocity Describe terminal velocity Interpret graphs for terminal velocity	https://continuityoak.org.uk/Lessons?r=2087	
	Lesson 2:			
6 th October	Lesson 1: Newtons First and Second Law	Define Newtons Laws Use the equation $F = ma$ Describe inertia	https://continuityoak.org.uk/Lessons?r=1889	
	Lesson 2:			

13 th October	Lesson 1: Required Practical Acceleration 1	Use the equation $F = ma$ State variables of the required practical Process results	https://continuityoak.org.uk/Lessons?r=1926	
	Lesson 2: Required Practical Acceleration 2			
20 th	Lesson 1: Required Practical Acceleration 2	Use the equation $F = ma$ State variables of the required practical Process results	https://continuityoak.org.uk/Lessons?r=11215	

October				
	Lesson 2:			

4 th	Lesson 1:			
November	Lesson 2:			
10 th	Lesson 1:			
November	Lesson 2:			

November 17 th	Lesson 1: Year 11 Mocks			
	Lesson 2:			
November 24 th	Lesson 1:			
	Lesson 2:			
December 1 st	Lesson 1:			
	Lesson 2:			

8 th December	Lesson 1:			
	Lesson 2:			
15 th December	Lesson 1:			
	Lesson 2:			
	Lesson 1:			

7 th January	Lesson 2:			
12 th January	Lesson 1:			
	Lesson 2:			
19 th January				

26 th January				

2 nd February				

9 th				

February				
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23 rd February	Lesson 1: Year 11 Mocks			
	Lesson 2: Year 11 Mocks			
2 nd March	Lesson 1: Year 11 Mocks			
	Lesson 2: Year 11 Mocks			
9 th				

March				
16 th March				
23 rd March				

	Lesson 1:			
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14 th	P3 revision			
April	Lesson 2: P3 revision	<ul style="list-style-type: none"> • Use an equation to calculate density, mass or volume of an object • Describe how to measure the density of regular and irregular solids • Make and record accurate measurements • Describe how to measure the density of liquids • Make and record accurate measurements • Suggest possible sources of error and how to correct them 	https://continuityoak.org.uk/Lessons?r=2066 https://continuityoak.org.uk/Lessons?r=1867 https://continuityoak.org.uk/Lessons?r=2067	
20 th April	Lesson 1: P4 revision	<ul style="list-style-type: none"> • Describe the effect of alpha, beta and gamma radiation on the nucleus • Describe the properties of alpha beta and gamma radiation • Represent radioactive decay using equations 	https://continuityoak.org.uk/Lessons?r=2084 https://continuityoak.org.uk/Lessons?r=2085	

	Lesson 2: P4 revision	<ul style="list-style-type: none"> • Apply knowledge of nuclear radiation properties to explain their uses • Choose a suitable radioactive isotope for a given use • Explain the suitability of radioactive isotopes for a given use. • Describe and identify examples of 	https://continuityoak.org.uk/Lessons?r=1923 https://continuityoak.org.uk/Lessons?r=9681	
27 th April	Lesson 1: C3 - Revision			
	Lesson 2: Foundation Further questions on Mr			
5 th	Lesson 1: Exams			
	Lesson 2:			

May	Exams			
11 th May	Lesson 1:			
	Exams			
May	Lesson 2:			
	Exams			
18 th May	Lesson 1:			
	Exams			
May	Lesson 2:			
	Exams			