

Biology

Unit of work	Wider engagement opportunities for Y12			
	Reading/Doing	Watching	Listening	Trips
Autumn 1	<p>Join Isaac Physics and practice questions by decks for AS Biology Topics under topic 1 and 2 - https://isaacscience.org/biology/a_level/question_decks</p>	<ol style="list-style-type: none"> 1. Topic 1 - https://www.youtube.com/watch?v=yfJWMCWSvUA 2. Topic 2 - https://www.youtube.com/watch?v=N8UyNGXPZ4o&list=PL51jd6xG52BWDDAZ3x3l6lpFcysenTO&index=2 	<p>https://podcasts.apple.com/gb/podcast/teach-me-biology/id1525760514</p> <p>For the above podcasts – Students are only focusing on podcasts related to Topic 1 and 2</p>	
Autumn 2	<p>Practice questions by decks for AS Biology Topics under topic 1 and 2 - https://isaacscience.org/biology/a_level/question_decks</p>	<p>Ted Ed Videos</p> <p>Cell membranes are way more complicated that you thinks - https://www.youtube.com/watch?v=nsklF1w4eok</p> <p>How polarity makes water behave strangely - https://www.youtube.com/watch?v=ASLUY2U1M-8</p>	<p>https://podcasts.apple.com/gb/podcast/teach-me-biology/id1525760514</p> <p>For the above podcasts – Students are only focusing on podcasts related to Topic 1 and 2</p>	
Spring 1	<p>Practice questions by decks for AS Biology Topics under topic 3 and 4 - https://isaacscience.org/biology/a_level/question_decks</p>	<ol style="list-style-type: none"> 1. Topic 3 - https://www.youtube.com/watch?v=Poe63_yykCs&list=PL51jd6xG52BWD DAZ3x3l6lpFcysenTO&index=3 2. Topic 4 - https://www.youtube.com/watch?v=0rd0-tv2M8A&list=PL51jd6xG52BWDDAZ3x3l6lpFcysenTO&index=4 	<p>https://podcasts.apple.com/gb/podcast/teach-me-biology/id1525760514</p> <p>For the above podcasts – Students are only focusing on</p>	

			podcasts related to Topic 3 and 4
Spring 2	Practice questions by decks for AS Biology Topics under topic 3 and 4 - https://isaacscience.org/biology/a_level/question_decks	<ol style="list-style-type: none"> 1. Ted Ed – How does our digestive system works - https://www.youtube.com/watch?v=Og5xAdC8EUl 2. Ted Ed – Understanding genetics - https://www.youtube.com/watch?v=z9HIYjRRaDE&list=PLJicmE8fK0EiuxzlxoeC7R3-EFUrtaf9t 	https://podcasts.apple.com/gb/podcast/teach-me-biology/id1525760514 For the above podcasts – Students are only focusing on podcasts related to Topic 3 and 4
Summer 1	Research project: <i>How does genetic diversity influence disease resistance in populations?</i>	<ol style="list-style-type: none"> 1. Maths in A level biology - https://youtube.com/playlist?list=PLOfYYgIrtVMgVDUYVjwoBKIN1PkInY9hL&si=TH2kOcoytJihqf3i 	https://podcasts.apple.com/gb/podcast/teach-me-biology/id1525760514 For the above podcasts – Students are only focusing on podcasts related to Topic 3 and 4
Summer 2	The Eukaryotic Cell Cycle and Cancer – https://www.biointeractive.org/classroom-resources/eukaryotic-cell-cycle-and-cancer?playlist=181755	<ul style="list-style-type: none"> • https://www.youtube.com/watch?v=uUsNB0csl8s&list=PLOfYYgIrtVMhszVf5xUbQtoLobCXq_njG • https://www.youtube.com/watch?v=c3IKDlpYVd0&list=PLOfYYgIrtVMhszVf5xUbQtoLobCXq_njG&index=2 • https://www.youtube.com/watch?v=PJ3gDB4cVwo&list=PLOfYYgIrtVMhszVf5xUbQtoLobCXq_njG&index=3 • https://www.youtube.com/watch?v=4zS1XjdSf70&list=PLOfYYgIrtVMhszVf5xUbQtoLobCXq_njG&index=4 • 	https://podcasts.apple.com/gb/podcast/teach-me-biology/id1525760514 For the above podcasts – Students are only focusing on podcasts related to Topic 3 and 4

Unit of	Wider engagement opportunities for Y13
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	Reading	Watching	Listening	T r i p s
Autumn 1	Topic 6 and 7 Biology with Olivia notes	<ul style="list-style-type: none"> • HHMI BioInteractive – Photosynthesis: https://www.biointeractive.org/classroom-resources/photosynthesis • https://www.youtube.com/watch?v=nh0kYjUDI4 • https://www.youtube.com/watch?v=DVqHoZTZedw • 	<ul style="list-style-type: none"> • Catching kidney disease before it's too late - https://www.thenakedscientists.com/articles/interviews/catching-kidney-disease-its-too-late • 	
Autumn 2	Topic 6 and 7 Biology with Olivia notes	<ul style="list-style-type: none"> • https://www.netflix.com/gb/title/80049832 • https://www.youtube.com/watch?v=nh0kYjUDI4 • https://www.youtube.com/watch?v=DVqHoZTZedw • 	https://www.hubermanlab.com/episode/essential-brain-functions-interprets-the-world-dr-david-berson	
Spring 1	https://www.biointeractive.org/classroom-resources/p53-gene-and-cancer	<ul style="list-style-type: none"> • Maths in A level biology playlist - https://www.youtube.com/playlist?list=PLOfYYglrtVMgVDUYVjwoBKIN1PklN9hL • 	https://www.bbc.co.uk/sounds/brand/m000xzdq	
Spring 2	https://www.biointeractive.org/sites/default/files/MouseHardyWeinberg_Student.pdf	All topics crash courses - https://www.youtube.com/watch?v=uUsNB0csI8s&list=PLOfYYglrtVMhszVf5xUbQtoLobCXq_njG	https://www.thenakedscientists.com/articles/interviews/cystic-fibrosis-and-gene-therapy	
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Possible resources for the Sixth Form Study Centre in order of priority