

To help you to make the best start in your new subject, and to help you explore different and enriching aspects of the subject, your teachers have prepared a Reading, Watching and Listening list. Please access all of these resources over the summer.

	Title	Description	Hyperlink
	Will ants ever be able to evolve a method to escape the zombie apocalypse that the Cordiceps fungus creates?	Essay written by Year 12 student submitted to Peterhouse College, Cambridge essay competition on the Cordiceps fungus.	<a href="https://thejournal.com/2020/05/15/will-ants-ever-be-able-to-evolve-a-method-to-escape-the-zombie-apocalypse-that-the-cordiceps-fungus-creates/">https://thejournal.com/2020/05/15/will-ants-ever-be-able-to-evolve-a-method-to-escape-the-zombie-apocalypse-that-the-cordiceps-fungus-creates/</a>
 Read	Climate Change: Science and Solutions	Podcasts, articles and PDFs outlining factors that lead to and the consequences of climate change	<a href="https://royalsocietypublishing.org/toc/royalsocietypublishing/2020/05/15/will-ants-ever-be-able-to-evolve-a-method-to-escape-the-zombie-apocalypse-that-the-cordiceps-fungus-creates/">https://royalsocietypublishing.org/toc/royalsocietypublishing/2020/05/15/will-ants-ever-be-able-to-evolve-a-method-to-escape-the-zombie-apocalypse-that-the-cordiceps-fungus-creates/</a>
 Read	Extreme lifespan extension in tapeworm-infected ant workers	Scientific paper about the parasite that infects ants and the scientific research into the effects of this parasite on the life span of the ant.	<a href="https://royalsocietypublishing.org/doi/10.1098/rsos.202118">https://royalsocietypublishing.org/doi/10.1098/rsos.202118</a>
 Read	An invariant <i>Trypanosoma vivax</i> vaccine antigen induces protective immunity	African animal trypanosomiasis is a parasitic disease that kills millions of cattle each year, affecting livelihoods and causing significant economic	<a href="https://www.nature.com/articles/s41586-021-03597-x">https://www.nature.com/articles/s41586-021-03597-x</a>

		costs in many sub-Saharan countries. Developing a vaccine against the disease has proved difficult as the parasite has a wealth of tricks to evade the immune system.	
 Watch	<b>Deep Look</b>	See the unseen at the very edge of our visible world. Get a new perspective on our place in the universe and meet extraordinary new friends. Explore big scientific mysteries by going incredibly small.	<a href="https://www.pbsocial.org/programs/deep-look/">https://www.pbsocial.org/programs/deep-look/</a>
 Watch	<b>Hunting Nightmare Bacteria</b>	Has the age of antibiotics come to an end? From a young girl thrust onto life support in Arizona to an uncontrollable outbreak at one of the nation's most prestigious hospitals, FRONTLINE investigates the alarming rise of a deadly type of bacteria that our modern antibiotics can't stop.	<a href="https://www.pbsocial.org/shows/frontline/episodes/frontline-hunting-nightmare-bacteria-full">https://www.pbsocial.org/shows/frontline/episodes/frontline-hunting-nightmare-bacteria-full</a>
 Watch	<u>Can nanobody stop these variants?</u>	TWiV describes how human behavior, not increased transmissibility, led to increased spread of a SARS-CoV-2 variant throughout Europe in summer 2020, and nanobodies from camelid mice and llamas that efficiently neutralize variants of concern.	<a href="http://www.microbe.tv/twiv/">http://www.microbe.tv/twiv/</a>
 Listen	<b>Neanderthals</b>	Podcast about our early human cousins, the Neanderthals.	<a href="https://www.bbc.co.uk/programmes/m000rmjf">https://www.bbc.co.uk/programmes/m000rmjf</a>
 Listen	<b>What is life?</b>	Podcast about what is life and how did it start?	<a href="https://www.bbc.co.uk/programmes/m000m4pg">https://www.bbc.co.uk/programmes/m000m4pg</a>

 Listen	<b>In Praise of Flies</b>	Podcast about the importance of flies.	<a href="https://www.bbc.co.uk/programmes/m000r36l">https://www.bbc.co.uk/programmes/m000r36l</a>
 Listen	<b>The Human Brain</b>	Podcast about the plastic and adaptable brain.	<a href="https://www.bbc.co.uk/programmes/p08kn47j">https://www.bbc.co.uk/programmes/p08kn47j</a>
 Listen	<b>Breath</b>	Audio and transcript about breaths. The first, the last and all inbetween.	<a href="https://www.wnycstudios.org/podcasts/radiolab/articles/breath">https://www.wnycstudios.org/podcasts/radiolab/articles/breath</a>