

Year 11

Transition tasks - Summer 2021 (Biology)



 <p>Complete this course in which you will learn about the biology behind cancer.</p> <p>The biology of cancer John Hopkins University</p>	 <p>Listen to an interview/podcast describing how cloning and stem cells can be used.</p> <p>Stem cells and cloning Naked scientists</p>	 <p>Read this article in which evolutionary biologist Barbara Natterson-Horowitz and writer Kathryn Bowers make the case for why parents — animal <i>and</i> human — should remain involved in the lives of their full-grown offspring.</p> <p>Humans aren't the only ones that help out their adult kids <i>Ideas TED</i></p>	 <p>Watch this TED talk in which neuroscientist Robert Sapolsky asks the question: How can humans be so compassionate and altruistic -- and also so brutal and violent?</p> <p>The biology of our best and worst selves <i>TED Talks – Robert Sapolsky</i></p>	 <p>Complete this course, which aims to demystify the ageing process, and learn how our everyday behaviours are likely to affect our long-term musculoskeletal health.</p> <p>The science of staying active in old age <i>The Universities of Leeds, Sheffield and Newcastle</i></p>
 <p>Listen to the Guardian Science weekly podcast. Especially interesting covering immunity and COVID-19.</p> <p>Immunity and COVID-19</p>	 <p>Read this article from a clinical psychologist which provides practical ways to overcome whatever life throws your way.</p> <p>8 tips to help you become more resilient <i>Ideas TED</i></p>	 <p>Listen to this radio programme about how our genes actually work</p> <p>How do our genes work? Guardian</p>	 <p>Complete this course on the to gain an introduction to animal behaviour.</p> <p>Introduction to animal behaviour</p>	 <p>Watch this TED talk about how our consciousness is a hallucination!</p> <p>Your brain hallucinates your conscious reality TED talk</p>
 <p>Complete this course which is an entertaining and illuminating exploration into the impact dentistry has on our lives.</p> <p>Discover Dentistry <i>The University of Sheffield</i> Available now</p>	 <p>Watch this TED talk on Bill Gates discussing potential problems caused by a pandemic In 2015</p> <p>The next outbreak? <i>TED talk</i></p>	 <p>Read this article from marine scientist Roger Hanlon. In it he explores how the heck colour-blind cephalopods — octopus, squid and others — achieve such a good colour match when they camouflage (in short: amazing, distributed brains).</p> <p>Oddballs with high-level intelligence:</p>	 <p>Listen to this radio programme which explores all sorts of science-related topics (including the Coronavirus).</p> <p>BBC Inside Science <i>BBC Sounds</i></p>	 <p>Watch this TED talk which examines the pharmaceutical industry and its impact on doctors and the wider medical world.</p> <p>What doctors don't know about the drugs they prescribe <i>TED Talk – Ben Goldacre</i></p>



GCSE Consolidation:

You may feel you have gaps in your GCSE studies. The Oak National Academy has online lessons that cover the following topics: Cell biology, Organisation, infection and response, bioenergetics, ecology, homeostasis and response, inheritance, variation and evolution. [Oak National academy - KS4 Biology](#)