
















# Year 11

## Transition tasks - Summer 2021 (Biology)



 <p><b>Complete this course</b> in which you will learn about the biology behind cancer.</p> <p><a href="#">The biology of cancer</a> John Hopkins University</p>	 <p><b>Listen to an interview/podcast</b> describing how cloning and stem cells can be used.</p> <p><a href="#">Stem cells and cloning</a> Naked scientists</p>	 <p><b>Read this article</b> 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><a href="#">Humans aren't the only ones that help out their adult kids</a> <i>Ideas TED</i></p>	 <p><b>Watch this TED talk</b> in which neuroscientist Robert Sapolsky asks the question: How can humans be so compassionate and altruistic -- and also so brutal and violent?</p> <p><a href="#">The biology of our best and worst selves</a> <i>TED Talks – Robert Sapolsky</i></p>	 <p><b>Complete this course,</b> which aims to demystify the ageing process, and learn how our everyday behaviours are likely to affect our long-term musculoskeletal health.</p> <p><a href="#">The science of staying active in old age</a> <i>The Universities of Leeds, Sheffield and Newcastle</i></p>
 <p><b>Listen to the Guardian Science weekly podcast.</b> Especially interesting covering immunity and COVID-19.</p> <p><a href="#">Immunity and COVID-19</a></p>	 <p><b>Read this article</b> from a clinical psychologist which provides practical ways to overcome whatever life throws your way.</p> <p><a href="#">8 tips to help you become more resilient</a> <i>Ideas TED</i></p>	 <p><b>Listen to this radio programme</b> about how our genes actually work</p> <p><a href="#">How do our genes work?</a> Guardian</p>	 <p><b>Complete this course</b> on the to gain an introduction to animal behaviour.</p> <p><a href="#">Introduction to animal behaviour</a></p>	 <p><b>Watch this TED talk</b> about how our consciousness is a hallucination!</p> <p><a href="#">Your brain hallucinates your conscious reality</a> TED talk</p>
 <p><b>Complete this course</b> which is an entertaining and illuminating exploration into the impact dentistry has on our lives.</p> <p><a href="#">Discover Dentistry</a> <i>The University of Sheffield</i> Available now</p>	 <p><b>Watch this TED talk</b> on Bill Gates discussing potential problems caused by a pandemic In 2015</p> <p><a href="#">The next outbreak?</a> <i>TED talk</i></p>	 <p><b>Read this article</b> 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><a href="#">Oddballs with high-level intelligence:</a></p>	 <p><b>Listen to this radio programme</b> which explores all sorts of science-related topics (including the Coronavirus).</p> <p><a href="#">BBC Inside Science</a> <i>BBC Sounds</i></p>	 <p><b>Watch this TED talk</b> which examines the pharmaceutical industry and its impact on doctors and the wider medical world.</p> <p><a href="#">What doctors don't know about the drugs they prescribe</a> <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](#)