

## SUPER-CURRICULAR ACTIVITIES

### GCSE: Science – Biology Years 10 & 11

 Find out about the United States Food and Drug Administration (FDA) Follow <b>Link 1</b> (below)	 Write an opinion piece on the importance of maintaining biodiversity and some practical methods people can do to achieve this.	 Create a leaflet that explains the treatment options, including pros and cons, that can be used to inform someone who is suffering from kidney failure.
 Explore the importance of NICE – National Institute of Health and Care Excellence. Follow <b>Link 2</b> (below)	 Watch a TED talk about the important issue of antibiotic resistant bacteria. Follow <b>Link 3</b> (below)	 Create a flow chart that shows the evolutionary development of modern humans. Research future into the characteristics of each species. Follow <b>Link 4</b> (below)
 Find out about the risk factors of Coronary Heart Disease from the British heart foundation. Follow <b>Link 5</b> (below)	 Discover the extreme adaptations of organisms living under immense pressure by diving deeper into the Marina Trench with National Geographic. Follow <b>Link 6</b> (below)	 Read <i>Life on Earth</i> – the greatest story ever told by David Attenborough.
 Dive deeper into the facts behind diseases with the World Health Organisation Follow <b>Link 7</b> (below)	 Draw a poster to show the transformations of carbon as it passes through the different steps of the carbon cycle.	 Write a recommendation letter to the government either supporting or objecting to a proposed tax on sugary foods to promote better health.
 Find out about the largest hydroponic plant in the UK – on your door step! Follow <b>Link 8</b> (below)	 Research the topic of vertical farming and how this may be a solution to create food more efficiently. Write a summary.	 Read a book to learn more about a topic in depth. For example, <i>The Hot Zone</i> by Richard Preston (on the Ebola virus.)

#### Links to websites used in this Super-Curricular GCSE Activities sheet:

Link 1: <https://www.fda.gov/food/nutrition-education-resources-materials/new-nutrition-facts-label>

Link 2: <https://www.nice.org.uk/about>

Link 3: [https://www.ted.com/talks/maryn\\_mckenna\\_what\\_do\\_we\\_do\\_when\\_antibiotics\\_don\\_t\\_work\\_any\\_more?language=en](https://www.ted.com/talks/maryn_mckenna_what_do_we_do_when_antibiotics_don_t_work_any_more?language=en)

Link 4: <https://www.newscientist.com/article/dn9989-timeline-human-evolution/>

Link 5: <https://www.bhf.org.uk/informationsupport/risk-factors>

Link 6: <http://www.deepseachallenge.com/the-expedition/mariana-trench/>

Link 7: <https://www.who.int/news-room/fact-sheets>

Link 8: <https://www.thanetearth.com>

	Reading task		Creative task		Watching task		Student-led task
	Research task		Writing task		Listening task		Trip or visit