

Subject: Applied science

Course: Pearson Level 3 Alternative Academic Qualification (AAQ) BTEC National in Applied Science (Extended Certificate)

Lead teacher: Mrs T Johal (tjohal@oswba.co.uk)

Something to Read:

- **The lives of a cell: notes of a biology watcher – Lewis Thomas** - This essay focuses on how connected humanity is to nature and how we must make strides to understand our role. Thomas argues that even our own bodies are not solely ours since the mitochondria and other organelles are descended from other organisms.
- **Nature vs Nurture – Matt Ridley** - Acclaimed author Matt Ridley's thrilling follow-up to his bestseller Genome. Armed with the extraordinary new discoveries about our genes, Ridley turns his attention to the nature versus nurture debate to bring the first popular account of the roots of human behaviour.

Full list of books, articles and research links are available in the separate applied science transition pack

Something to Watch/Listen:

- **Rough science – the Open University – 34 episodes available**

Real scientists are 'stranded' on an island and are given scientific problems to solve using only what they can find on the island. Great fun if you like to see how science is used in solving problems.

There are six series in total

<http://bit.ly/pixlchemvid1a>

http://www.dailymotion.com/playlist/x2igjq_Rough-Science_rough-science-full-series/1#video=xxw6pr

or

<http://bit.ly/pixlchemvid1b>

<https://www.youtube.com/watch?v=IUoDWAt259I>

Full list of podcasts, movies and video links are available in the separate applied science transition pack

Something to Write:

Please refer to your applied science transition pack which contains a wide selection of books to read, films to watch, podcasts to listen to and research articles to explore. There are a range of research activities for you to complete over the summer holidays as well as a pre-subject knowledge quiz which will give you a head start in September.