**Preparing for Transition from Key Stage 4 to Key Stage 5**

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| **Subject** | **Qualification** |
| **Applied Science** | **L3 BTEC** |
| **Recommended Reading Materials** | **Recommended Websites**  |
| * Darwin’s Island - Steve Jones
* **Magazines** - Focus, New Scientist or Philip Allan updates can help you put the chemistry you’re learning in context. Your local library may have access to some of these science online magazines which you can view on your phones or computers- all you will need is a library card.
 | * Newton’s Laws - <https://www.youtube.com/watch?v=kKKM8Y-u7ds>
* **Online Forums** - The student room Join the Applied Science forums and share thoughts and ideas with other students, just be careful what you share [www.thestudentroom.co.uk](http://www.thestudentroom.co.uk/) - The Student Room
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| **Preparation Tasks** | **Recommended Research**  |
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* Complete the Cell Structure interactive and study resources at
* <http://www.cellsalive.com/index.htm> - Cells alive! This website provides a range of interactive animations (such as ‘Cell models’ and ‘How big?’), and free study aids, such as worksheets, puzzles and quizzes.
 | * An interesting fact is that Venus is the hottest planet in the solar system. Can you find out why then compare and contrast with Earth and why it may be so hot?
* **Scool -** <http://www.s-cool.co.uk/a-level/biology/cells-and-organelles> - S-cool the revision website
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| **Recommended trips or visits this Summer** |
| * Check out online resources from the Greenwich observatory:

<https://www.rmg.co.uk/discover/behind-the-scenes/blog/night-sky-highlights-april-2020>* Science museum
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| **Tasks to Complete** |
| * Produce a one-page revision guide to share with your class in September summarizing each of the following topics:
* Cells and Cell Ultrastructure
* Prokaryotes and Eukaryotes
* Mitosis and Meiosis
* Whichever topic you choose, your revision guide should include:
* Key words and definitions
* Clearly labelled diagrams
* Short explanation of key ideas
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