



## Science Year 10 and 11

Useful websites:

<http://www.schoolscience.co.uk>

[http://www.bbc.co.uk/schools/websites/11\\_16/site/science.shtml](http://www.bbc.co.uk/schools/websites/11_16/site/science.shtml)

<http://www.alphr.com/raspberry-pi/raspberry-pi/1000043/raspberry-pi-projects-best-projects>

[https://en.wikipedia.org/wiki/Cell\\_biology](https://en.wikipedia.org/wiki/Cell_biology)

<https://www.youtube.com/watch?v=URUJD5NEXC8>

<http://www.sparknotes.com/biology/>

Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
<p><b>Know about the functioning of organisms.</b></p> <p>Describe the functions of the main organs and systems in animals and relate this to their structure.</p> <p>Describe how the structure and function of an organ relates to the genes of the organism.</p>	<p><b>Know about the functioning of organisms.</b></p> <p>Describe how the structure and function of an organ relates to the genes of the organism particularly when there is a genetic disorder in humans.</p>	<p><b>Be able to classify organisms.</b></p> <p>Students will use simple identification keys to classify organisms.</p> <p>Students will be able to identify the features of organisms from the different kingdoms and classify organisms using these features.</p> <p>To achieve a merit grade students will learn how to describe how classification systems have been modified over time.</p>	<p><b>Know about the relationship of organisms with their environment.</b></p> <p>Describe the interdependence of organisms in terms of food webs.</p> <p>Describe the interdependence of organisms in terms of pyramids of numbers and biomass.</p>	<p><b>Know about the relationship of organisms with their environment.</b></p> <p>Students will learn how given organisms are adapted to a particular environment.</p> <p>Students will be able to explain why adaptations of organisms are essential for survival in a particular environment.</p>	<p><b>Understand the effects of human activity on the environment and how these effects can be measured.</b></p> <p>Describe the impact that different human activities have on ecosystems.</p> <p>Describe how living and non-living indicators can be used to measure levels of pollutants.</p> <p>Describe the different methods used to help reduce the impact of human activities on ecosystems.</p> <p>In order to achieve a Merit grade, students will be able to discuss the advantages and</p>

