

# West Moors Middle School - Curriculum Component Profile

Subject: Science	Year: 6
<p>Description of learning</p> <p>Enquiry based learning to establish that:</p> <ul style="list-style-type: none"> <li>• Humans and other organisms inherit features;</li> <li>• Fossils can show how organisms have changed over time;</li> <li>• Animals and plants have adapted to live in their habitat;</li> <li>• The inability to adapt leads to extinction;</li> <li>• Diet, exercise, health and lifestyle affect the way human bodies function;</li> <li>• There are different systems and organs with the human body;</li> <li>• The function of the heart and circulatory system;</li> <li>• Living things can be grouped according to characteristics;</li> <li>• Living things are part of a food chain/food web;</li> <li>• Keys are used to identify living things;</li> <li>• Light is a form of energy;</li> <li>• We see objects because of reflection;</li> <li>• Opaque materials form shadows;</li> <li>• Electrical circuits are shown through recognised symbols;</li> <li>• Changing components affects the function of other components;</li> </ul>	
<p>Important questions:</p> <p>How is a living thing adapted to its environment? How do we see things?</p>	<p>Bigger picture and linking:</p> <p>Global warming and extinctions. Diet, exercise and health and well-being.</p>
<p>Overlearning required:</p> <p>That light is reflected from the things we see That electrical circuits have to be complete to work. That a healthy diet and exercise promote overall well-being.</p>	<p>WoW factor:</p> <p>Project to make a functioning electrical switch.</p>
<p>How will our learning values be developed?</p> <p>Resilience e.g. when a circuit does not at first work.</p>	<p>How will our community values be developed?</p> <p>Involving family history when learning about inheritance.</p>
<p>How will pupils' numeracy be developed?</p> <p>Measuring and recording e.g. breathing rate per minute.</p>	<p>How will pupils' literacy be developed?</p> <p>Expanded vocabulary. Writing an imaginary journey of a blood cell through the body.</p>