

KS4 Science

Learning intentions National Curriculum Key Stage 4 SCIENCE	Learning outcomes	Key knowledge, skills and learning experience specific to the Lulworth visit
<p>KS4 <u>Sc2 Life processes and living things</u></p> <p>That the fossil record is evidence for evolution.</p>	<p>Students will understand that life has evolved throughout time and specifically through the 185million years of the Mesozoic Era.</p>	<p>Examples of fossils from the 5 rocks of Lulworth which will include ammonites, bivalves, trace fossils, lignite, coccoliths to show different phases. Description of how the Jurassic Coast spans the Triassic, Jurassic and Cretaceous eras which have established the coast as a World Heritage Site for the fossils and geological timeline.</p>
<p><u>Breadth of study</u></p> <ol style="list-style-type: none"> 1. During the key stage, pupils should be taught Knowledge Skills and Understanding through a range of domestic, industrial and environmental contexts 2. Communication; Use scientific language 3. Health and Safety; recognise that there are hazards and take action to reduce risks to themselves and others. 	<ol style="list-style-type: none"> 1. Students will be taught in a different environment than their normal classroom setting. This will enable different learning styles to be supported. 2. Students will learn new scientific terms and reinforce terms used in the classroom. 3. Students will be able to assess risks present and identify appropriate methods to reduce those risks. 	<ol style="list-style-type: none"> 1. Lulworth Cove and surrounding areas provide an awe inspiring and memorable setting for students to be much more engaged in the environment that they are being taught. 2. Key vocabulary; Triassic, Jurassic, Cretaceous, Mesozoic, plate tectonics, calcium carbonate. 3. A Health and Safety talk with the students is discussed as to what they believe is an appropriate way to behave and act around the site.