## KS3 Science

Learning intentions National Curriculum Key Stage 3		Learning outcomes		Key knowledge, skills and learning experience specific to the Lulworth visit	
	tical Changes  How forces generated by expansion,  contraction and the freezing of water can lead to physical weathering of rocks.	1.	Students are encouraged to formulate ideas how and why freeze thaw may occur in the rocks.	1.	Looking closely at the 5 rocks, the students will be able to see how freeze thaw affects the sandstone and chalk specifically.
2.	About the formation of rocks by processes that take place over different timescales, and that the mode of formation determines their texture and the minerals they contain.	2.		2.	
3.	How sedimentary rocks are formed by processes including the deposition of rock fragments or organic material, or as a result of evaporation.	3.	Students will understand the processes that are used to create sedimentary rocks.	3.	Students are shown animations about the sedimentary nature of the Jurassic Coast with specific reference to the geology of Lulworth.
Breadt	h of study				
1.	During the key stage, pupils should be taught Knowledge Skills and Understanding through a range of domestic, industrial and environmental contexts	1.	Students will be taught in a different environment than their normal classroom setting. This will enable different learning styles to be supported.	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 about.
2.	Communication; Use scientific language	2.	Students will learn new scientific terms and reinforce terms used in the classroom.	2.	Terms will be used such as; Triassic, Jurassic, Cretaceous, Mesozoic, plate tectonics, calcium carbonate etc.
3.	Health and Safety; recognise that there are hazards and take action to reduce risks to themselves and others.	3.	Students will be able to assess risks present and identify appropriate methods to reduce those risks.	3.	A Health and Safety talk with the students is used to initiate what they believe is an appropriate way to behave around the site.