



Community Seagrass Initiative
Key Stage 3- Programme of Study

Endangered Species

<p>National Curriculum</p>	<p>During this session students will experience up to and including:</p> <p><u>Citizenship KS3</u></p> <ul style="list-style-type: none"> Equipped with the skills to think critically and debate The different ways in which a citizen can contribute to the improvement of his or her community, to include the opportunity to participate actively in community volunteering, as well as other forms of responsible activity <p><u>Geography KS3</u></p> <p>Location Knowledge</p> <ul style="list-style-type: none"> Extend their locational knowledge and deepen their spatial awareness of environmental regions <p>Human and Physical Geography</p> <ul style="list-style-type: none"> Human geography relating to the use of natural resources Understand how human and physical processes interact to influence, and change landscapes, environments and the climate Physical geography relating to coasts <p>Geographical skills and fieldwork</p> <ul style="list-style-type: none"> Build on their knowledge of globes, maps and atlases <p><u>Science KS3</u></p> <p>Working Scientifically</p> <ul style="list-style-type: none"> Understand that scientific methods and theories develop as earlier explanations are modified to take account of new evidence and ideas, together with the importance of publishing results and peer review <p>Experimental Skills and Investigations</p> <ul style="list-style-type: none"> Make predictions using scientific knowledge and understanding <p>Relationships in an ecosystem</p> <ul style="list-style-type: none"> How organisms affect, and are affected by their environment <p>Inheritance, chromosomes, DNA, genes</p> <ul style="list-style-type: none"> Differences between species Changes in the environment may lead to extinction The importance of maintaining biodiversity
<p>Learning Outcomes/I can statements</p>	<ul style="list-style-type: none"> What mechanisms exist to class an animal as endangered Animals that live on seagrass that are venerable How can we help animals becoming endangered
<p>Methods to Achieve Learning Outcomes</p>	<ul style="list-style-type: none"> Key terms are introduced and explained at the start of the session to ensure full understanding Video conferencing will provide interaction with a marine scientist, as well as a range of media formats such as presentations and videos Set challenges and worksheets to reaffirm the information covered during the session



INFORMATION FOR TEACHERS

Concepts covered	<ul style="list-style-type: none">• What is an endangered species• IUCN Red List status• Many species are unknown – what does this mean The UK Biodiversity Action Plan <ul style="list-style-type: none">○ Zostera Marina○ Seahorse○ Fan Mussels○ Stalked Jelly Fish <ul style="list-style-type: none">• What is the U.K doing to protect its marine biodiversity
Opportunities	<ul style="list-style-type: none">• Use of interactive web conferencing Skype in the classroom• Interact with other schools through video conferencing• Collaboration with active (citizen) scientist monitoring seagrass