

## FRAGMENTS OF HOPE: PROTECTING THE BELIZE CORAL REEFS (Teacher Notes)

Designed for students, primarily between the ages of 10 – 14 years, studying science, geography and global citizen subjects.

### Key learning outcomes:

Generic Learning outcomes	Relevance to England National Curriculum
Case study for how environments can change as a result of human actions, locally and globally, with specific reference to how carbon dioxide produced by human activity is affecting climate, ocean habitats and communities	KS2 Science – living things and their habitats  KS3 Chemistry – production of carbon dioxide by human activity and impact on climate
Different ways in which a citizen can contribute to the improvement of her or his local and global community, including actively volunteering and undertaking other forms of responsible activity	KS3 Citizenship – roles played by voluntary groups in society, and ways in which citizens work together to improve their communities, including opportunities to participate in school-based activities
Ability to describe and understand the Belize coastline and coral reef system as a global case study	KS2 and KS3 Geography – Locational knowledge, Human and physical geography, Geographical skills and fieldwork
Be inspired to develop competency in geographical skills, including communicating geographical information, using a virtual earth GIS resource	

### Supporting the following UN Sustainable Development Goals as a case study:



Climate Action: providing an example of the impact of climate change on a specific ecosystem and community as a stimulus for active global citizenship.



Life Below Water: inspiring all of us to take action to ensure conservation of life below water.



Responsible Consumption and Production: how actions in one part of the world can result in negative consequences elsewhere (both intended and unintended).

Fragments of Hope is a community based organisation in Belize, Central America, committed to the protection and restoration of the unique Belize Coral Reef System, a UNESCO World Heritage Site. This resource has been developed in partnership to provide a real-world case study of climate change and active citizenship, to inspire young people to change their behaviours and help look after the planet.

### Resources:

These resources support learning sessions about climate change:

- Fragments of Hope: Protecting the Belize Coral Reefs introductory [video](#)
- Fragments of Hope: Protecting the Belize Coral Reefs [interactive map](#)
- Short animated films and downloadable resources on the Fragments of Hope [website](#)
- Fragments of Hope: Protecting the Belize Coral Reefs Activity Sheet (teachers and student versions)

The attached Activity Sheet (including a teacher version with answers, and a student version without) can be used in its entirety as a 1 hour learning session, or elements incorporated into learning sessions about climate change.

*Students will need access to good strength broadband, and an up-to-date version of a common desktop browser, ideally Chrome or Firefox. The resource does support most common current iOS and Android mobile devices, although the controls will be different.*

*Through this website you are able to link to other websites which are not under the control of The Earth Museum. We have no control over the nature, content and availability of those sites.*