
Table of Contents

Table of Contents	pg. 1
How to Use this Packet	pg. 3
Florida Curriculum Standards Alignment	pg. 4
Coral Reef Acknowledgements	pg. 5
Coral Reef Packet Contents	pg. 6
Show Hosts	pg. 7

Unit 1. Coral Reefs

Lesson 1. Introduction to the Dry Tortugas and the Sustainable Seas Expedition	pg. 11
History and Geography of the Dry Tortugas	pg. 12
The Dry Tortugas National Park	pg. 13
What is the Sustainable Seas Expedition (SSE)?	pg. 15
Activity 1-1: How do Coral Reefs Protect the Beach?	pg. 16
Student Information Sheet 1: Introduction to the Dry Tortugas and the Sustainable Seas Expedition	pg. 17
Lesson 2: Reef Surveys and Deep Worker	pg. 18
When Corals Reefs Get in the Way	pg. 18
Deep Worker	pg. 19
Activity 2-1: Ocean Animals vs. Humans	pg. 20
Ocean Animals vs. Humans Worksheet	pg. 21
Student Information Sheet 2: Reef Surveys and Reef Balls	pg. 22
Lesson 3: Coral, Forams, and Reef Health	pg. 23
Corals	pg. 23
Local Threats	pg. 23
Regional Threats	pg. 24
Global Threats	pg. 25
Ozone Depletion	pg. 26
Other Reef Plants and Animals in Peril	pg. 27
Activity 3-1: Environment in Danger	pg. 28
Student Information Sheet 3: Coral, Forams, and Reef Health	pg. 29

Lesson 4: Coral Reefs as Indicators of Paleoclimate.	pg. 30
Coral tells how the Earth's Climate has Changed.	pg. 31
How is Information Gathered from Corals?	pg. 32
Predicting Future Climate	pg. 32
Activity 4-1: Ecosystem in a Jar	pg. 33
Student Information Sheet 4: Coral Reefs as Indicators of Paleoclimate	pg. 34
Lesson 5: Reef Protection and Preservation.	pg. 35
What is the Florida Keys National Marine Sanctuary (FKNMS)?	pg. 35
Restoration Activities	pg. 36
Moving Corals out of Harms Way	pg. 37
Marine Protected Areas	pg. 37
Issues of Marine Protected Areas	pg. 38
Activity 5-1: Grow your Own Coral Reef	pg. 39
Student Information Sheet 5: Reef Restoration and Preservation.	pg. 40
Vocabulary	pg. 41
References	pg. 42