



## Education Program Descriptions

### The Green Whale

Whales play an amazing role in an ecosystem that keeps every creature on Earth alive, including you! By providing important nutrients to phytoplankton, whales play a vital role in helping to provide over half the oxygen you breathe. During this program, students will discover the fascinating wonders of plankton while observing them through a microscope, learn how whales sustain life on earth and fight climate change and explore the relationship between whales and plankton through the food web. (1-hour)

#### **NGSS that can be met:**

**Grades K-2** K-LS1-1, K-ESS3-1, 1-LS1-1, 1-LS3-1, 2-LS4-1

**Grades 3-5** 3-LS1-1, 4-PS3-2, 5-PS3-1, 5-LS1-1, 5-LS2-1,

**Middle School** MS-LS1-4, MS-LS1-5, MS-LS1-6, MS-LS2-1, MS-LS2-3, MS-LS2-4, MS-LS2-5

**High School** HS-LS1-5, HS-LS2-5, HS-LS2-6, HS-LS4-5

*Maximum one class (30 students) each hour; \$170 for first hour, \$125 each additional hour.*

### Create Healthy Seas

We ALL need a healthy ocean! Humans rely on a healthy ocean for jobs and for providing over half of the oxygen we breathe. The ocean also influences our weather, shapes the earth and regulates our climate. Whales play an integral role in the health of our ocean and our planet. Today, human activities are threatening whales and dolphins. During this program, students will learn about the threats to whales and dolphins; marine debris and noise & chemical pollution. More importantly, we will discuss solutions and how you can help & support whales & dolphins. (1-hour)

#### **NGSS that can be met:**

**Grades K-2** K-ESS3-1, K-ESS3-3, 2-ESS2-2

**Grades 3-5** 3-LS4-3, 4-ESS3-1, 5-ESS2-1

**Middle School** MS-LS1-5, MS-LS1-6

**High School** HS-LS2-6, HS-LS2-7, HS-LS4-5

*Maximum one class (30 students) each hour; \$170 for first hour, \$125 each additional hour.*



### **Whales in a Changing Climate**

The climate is changing fast. Whales play a key part in helping combat climate change through their role in the marine ecosystem. But the climate is changing so fast that some whale and dolphin populations may not have time to adapt. Through hands-on activities, students will explore the carbon cycle & climate change and learn about the important role that whales have. We need more whales in the ocean to help combat the impacts of a changing climate. The more whales there are, the healthier the oceans will be and the less carbon dioxide there will be in the atmosphere. (1-hour)

#### **NGSS that can be met:**

**Grades 3-5** 3-LS4-4, 4-ESS3-1, 5-ESS2-1, 5-ESS3-1

**Middle School** MS-PS1-4, MS-PS3-4, MS-LS2-4, MS-ESS2-1, MS-ESS3-5

**High School** HS-LS2-4, HS-LS2-5, HS-LS2-6, HS-LS2-7, HS-LS4-5, HS-ESS2-4, HS-ESS2-6, HS-ESS3-1

*Maximum one class (30 students) each hour; \$170 for first hour, \$125 each additional hour.*

### **Marine Mammal Anatomy – Bottlenose Dolphins**

With our life-sized, anatomically correct Bottlenose dolphin model, students will learn about marine mammalogy. Through hands-on activities, students will learn about the dolphin's internal & external anatomy – focusing on adaptations for survival.

#### **NGSS that can be met:**

**Grades K-2** K-2-ETS1-2, 1-PS4-1, 1-LS1-2, 1-LS3-1

**Grades 3-5** 3-LS2-1, 3-LS3-1, 3-LS3-2, 3-LS4-2, 3-LS4-3, 3-LS4-4, 4-LS1-1, 4-LS1-2, 5-ESS3-1

**Middle School** MS-LS1-4, MS-LS1-8, MS-LS2-1, MS-LS2-4, MS-LS2-5

**High School** HS-LS1-7, HS-LS2-2, HS-LS2-5, HS-LS2-6, HS-LS2-8, HS-LS3-1, HS-LS4-5

*Maximum one class (30 students) each hour; \$170 for first hour, \$125 each additional hour.*



### **Marine Mammal Anatomy - Delilah**

With our life-sized, inflatable North Atlantic Right Whale model, Delilah, students will learn about marine mammalogy. Through hands-on activities, students will learn about the whale's internal & external anatomy – focusing on adaptations for survival. Students will also explore life-sized whale artifacts, such as bones and baleen. (1-hour)

#### **NGSS that can be met:**

**Grades K-2** K-2-ETS1-2, 1-PS4-1, 1-LS1-2, 1-LS3-1

**Grades 3-5** 3-LS2-1, 3-LS3-1, 3-LS3-2, 3-LS4-2, 3-LS4-3, 3-LS4-4, 4-LS1-1, 4-LS1-2, 5-ESS3-1

**Middle School** MS-LS1-4, MS-LS1-8, MS-LS2-1, MS-LS2-4, MS-LS2-5

**High School** HS-LS1-7, HS-LS2-2, HS-LS2-5, HS-LS2-6, HS-LS2-8, HS-LS3-1, HS-LS4-5

*Maximum 60 students per hour; \$300 for first hour, \$250 each additional hour.*