

MARE Ocean Immersion

OPEN OCEAN Grade 5

Time Frame

Depending on the experience of your students, the length of your class periods, and your own choices, the time needed for this unit will vary. Try to build flexibility into your schedule so that you can extend the sessions if necessary.

Apples and Oceans from *Only One Ocean*

Session 1:	Brainstorm—Our “Planet Ocean”	45 minutes
Session 2:	Apples and Oceans	45–60 minutes
Session 3:	Creative Writing	45–120 minutes

Planet Ocean from *Ocean Currents*

Session 1:	Ocean Brainstorm	45 minutes
Session 2:	Global Exploration	60–120 minutes or more

Waste Disposal from *Ocean Currents*

Session 1:	Student Explorations	60 minutes
Session 2:	Demonstrating Wind–Driven Currents	45 minutes

Current Trends from *Ocean Currents*

Session 1:	Introducing the Stations/Making Predictions	60–90 minutes
Session 2:	Completing the Stations	60–90 minutes

Ice Cubes Demonstration from *Ocean Currents* 45–60 minutes

Great Plankton Race from *Open Ocean Binder*

Session 1:	So What is Plankton?	45–60 minutes
Session 2:	The Great Plankton Race	45 minutes
Session 3:	Observing Live Plankton	60 minutes

Squids—Outside and Inside from *Only One Ocean*

Session 1:	What About Squids?	45 minutes
Session 2:	Hands–On Squid	45–120 minutes
Session 3:	Debriefing Activities	45–60 minutes
Session 4:	Squid Fishery Symposium	45–60 minutes

Whale With Class from *Open Ocean Binder*

Session 1:	The Diversity of Mammals	45 minutes
Session 2:	Becoming the Whale	60 minutes
Session 3:	Going Further	45 minutes

Build an Open Ocean from *Open Ocean Binder*

Session 1:	Planning the Transformation	45–60 minutes
Session 2:	Researching the Classroom Open Ocean	60 mins. or more
Session 3:	Building the 3–D Open Ocean	60 mins. or more