

California State Standards  
Mission Inspire – Expedition Ocean  
High School

*Module 1: Living and Working Undersea*

**Lesson 1 - Mayday!**

Speaking and Listening

SL.9-10.1; SL.9-10.3; SL.9-10.4; SL.11-12.1; SL.11-12.3; SL.11-12.4

**Lesson 2 - Under Pressure – Boyles Law**

Seeing Structure in Expressions

HSA-CED.A.1

Reasoning with Equations & Inequalities

HSA-REI.A.1

Reading Science & Technical Subjects

RST.9-10.1; RST.9-10.4; RST.11-12.1; RST.11-12.4

**Lesson 3 – Dive in – Henry’s Law**

Speaking & Listening

SL.9-10.1; SL.11-12.1

Reading Science & Technical Subjects

RST.9-10.3; RST.9-10.5; RST.11-12.3; RST.11-12.5

*Module 2: Life on the Reef*

**Lesson 1 - Coral Creations**

Speaking and Listening

SL.9-10.1; SL.9-10.4; SL.11-12.1; SL.11-12.4

Reading Science & Technical Subjects

RST.9-10.3; RST.11-12.3

**Lesson 2 - Where in the World is my Coral Larvae?**

Genetics

B/LS.2a

Investigation & Experimentation

IE.1h

Reading: Informational Text

RI.9-10.1; RI.9-10.10; RI.11-12.1; RI.11-12.10

Writing

W.9-10.8; W.11-12.8

Reading Science & Technical Subjects

RST.9-10.1; RST.9-10.4; RST.9-10.7; RST.9-10.10; RST.11-12.1; RST.11-12.4;  
RST.11-12.8; RST.9-10.10

### **Lesson 3 - Fish Detective**

Ecology

B/LS.6a

Investigation and Experimentation

IE.1d

Speaking & Listening

SL.9-10.1; SL.9-10.4; SL.11-12.1; SL.11-12.4

Language

L.9-10.6; L.11-12.6

Interpreting Categorical & Quantitative Data

HSS-ID.A.1

### **Lesson 4 - Connect to Protect**

Ecology

B/LS.6b

Reading: Informational Text

RI.9-10.1; RI.11-12.1

Writing

W.9-10.7; W.11-12.7; W.9-10.8; W.11-12.8

Speaking and Listening

SL.9-10.1; SL.9-10.2; SL.9-10.3; SL.9-10.4; SL.11-12.1; SL.11-12.2; SL.11-12.3; SL.11-12.4

## *Module 3: Seas of Change*

### **Lesson 1 - Can you take the Heat?**

Ecology

B/LS.6b

Energy in the Earth System  
ES.4.d

Investigation and Experimentation  
IE.1d; IE.1m

Reading: Informational Text  
RI.9-10.1; RI.11-12.1

Writing  
W.9-10.2; W.11-12.2; W.9-10.7; W.11-12.7

Speaking & Listening  
SL.9-10.1; SL.9-10.2; SL.9-10.4; SL.11-12.1; SL.11-12.2; SL.11-12.4

Reading Science and Technical Subjects  
RST.9-10.1; RST. 9-10.7; RST.9-10.10; RST.11-12.1; RST.11-12.7; RST.11-12.10

## **Lesson 2 - More Acidity, More Problems**

Ecology  
B/LS.6.b  
Investigation and Experimentation  
IE.1.d; IE.1.i; IE.1m

Reading: Informational Text  
RI.9-10.1; RI.9-10.2; RI.9-10.4; RI.9-10.8; RI.11-12.1; RI.11-12.2; RI.11-12.4; RI.11-12.8

Writing  
W.9-10.9; W.11-12.9

Speaking & Listening  
SL.9-10.1; SL.9-10.2; SL.11-12.1; SL.11-12.2

Quantities  
HSN-Q.A.1; HSN-Q.A.2

Reasoning with Equations & Inequalities  
HAS-REI.A.1

Interpreting Categorical & Quantitative Data  
HSS-ID.A.2

Reading Science & Technical Subjects

RST.9-10.1; RST.9-10.4; RST.9-10.10; RST.11-12.10

### **Lesson 3 - SOS: Rising Seas**

Ecology

B/LS.6

Investigation and Experimentation

IE.1.c; IE.1m

Reading: Informational Text

RI.9-10.1; RI.11-12.1

Speaking & Listening

SL.9-10.1; SL.9-10.2; SL.11-12.1; SL.11-12.2

Reading Science & Technical Subjects

RST.9-10.1; RST.9-10.3; RST.9-10.10; RST.11-12.1; RST.11-12.3; RST.11-12.10

### *Module 4: Space Prep*

#### **Lesson 1 - Designing an Autonomous Underwater Vehicle**

Motion & Forces

PH.1a

Reading Science & Technical Subjects

RST.9-10.3; RST.11-12.3

#### **Lesson 2 - Buoyancy – From Sea to Space**

Investigation and Experimentation

IE.1b; IE.1d; IE.1g

Speaking and Listening

SL.9-10.1; SL.11-12.1

Quantities

HSN-Q.A.1

Seeing Structure in Expressions

HSA-SSE.A.1

Reading Science and Technical Subjects

RST.9-10.3; RST.9-10.6; RST.11-12.3; RST.11-12.6

#### **Lesson 3 - The Best Analog**

Investigation and Experimentation  
IE.1d; IE.1m

Reading Informational Text  
RI.9-10.1; RI.11-12.1

Speaking and Listening  
SL.9-10.1; SL.9-10.4; SL.11-12.1; SL.11-12.4

Reading Science and Technical Subject  
RST.9-10.1; RST.9-10.2; RST.11-12.1; RST.11-12.2