

California State Standards
Mission Inspire – Expedition Ocean
Middle School

Module 1: Living and Working Undersea

Lesson 1 - Mayday!

Speaking & Listening

SL.6.1; SL.6.2; SL.7.1; SL.7.3; SL.8.1; SL.8.3

Lesson 2 - Under Pressure – Boyles Law

The Number System

6. NS.B.3

Expressions and Equations

6. EE.A.1; 6.EE.B.6; 6.EE.B.7; 6.EE.B.8; 7.EE.A.2

Reading: Informational Text

RI.6.1; RI.7.1; RI.8.1

Lesson 3 – Dive in – Henry’s Law

Speaking & Listening

SL.6.1; SL.6.2; SL.7.1; SL.7.2; SL.8.1; SL.8.2

Reading Science and Technical Subjects

RST.6-8.3; RST.6-8.9

Module 2: Life on the Reef

Lesson 1 - Coral Creations

Structure and Function in Living Systems

7.5a

Speaking and Listening

SL.7.1; SL.7.4; SL.8.1; SL.8.4

Reading Science and Technical Subjects

RST.6-8.1; RST.6-8.7

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

Genetics

7.2a

Investigation & Experimentation

7.7c; 7.7d

Reading: Informational Text

RI.6.1; RI.6.2; RI.7.1; RI.7.2; RI.8.1; RI.8.2

Writing

W.6.2; W.6.3; W.7.2; W.7.3; W.8.2; W.8.3

Speaking and Listening

SL.7.1; SL.7.4; SL.8.1; SL.8.4

Lesson 3 - Fish Detective

Investigation and Experimentation

6.7c; 7.7c

Writing

W.6.4; W.7.4; W.8.4

Language

L.6.1; L.7.1; L.8.1; L.6.5; L.7.5; L.8.5

Speaking and Listening

SL.6.1; SL.7.1; SL.8.1; SL.6.3; SL.7.3; SL.8.3; SL.6.6; SL.7.6; SL.8.6

Statistics & Probability

6.SP.A.1; 7.SP.A.1; 6.SP.A.2; 7.SP.A.2; 6.SP.B.4; 7.SP.B.4; 6.SP.B.5

Lesson 4 - Connect to Protect

Reading literature

RL.6.1; RL.7.1; RL.8.1

Reading: Informational Text

RI.6.1; RI.7.1; RI.7.8; RI.8.1

Writing

W.6.8; W7.1; W.7.7; W.7.8; W.8.1; W.8.8

Speaking and Listening

SL.6.1; SL.6.2; SL.6.3; SL.6.4; SL.7.1; SL.7.2; SL.7.3; SL.7.4; SL.8.1; SL.8.2; SL.8.3; SL.8.4

Module 3: Seas of Change

Lesson 1 - Can you take the Heat?

Investigation and Experimentation
6.7d; 7.7a; 7.7c;7.7e

Reading: Informational Text
RI.6.1; RI.7.1; RI.8.1

Writing
W.6.1; W.7.1; W.7.2; W.8.1; W.8.7; W.8.9

Speaking & Listening
SL.6.1; SL.6.2 SL.6.4; SL.6.6;SL.7.1; SL.7.4; SL.7.6; SL.8.1; SL8.2; SL.8.4

Statistics & Probability
6.SP.A.2; 6.SP.B.5; 7.SP.C.5; 8.SP.A.1

Reading Science and Technical Subjects
RST.6-8.1; RST. 6-8.2; RST.6-8.6; RST.6-8. 1

Lesson 2 - More Acidity, More Problems

Investigation and Experimentation
6.7d; 7.7c; 7.7e

Reading: Informational Text
RI.6.1; RI.6.2; RI.6.4; RI.6.8; RI.7.1; RI.7.2; RI.8.1

Writing
W.6.9; W.7.9; W.8.9

Speaking & Listening
SL.6.1; SL.6.2; SL.7.1; SL.7.2; SL.8.1; SL8.2; SL.8.4

Ratios & Proportional Relationships
6. RP.A.2; 6.RP.A.3; 7.RP.A.2; 7.RP.A.3

The Number System
6. NS.B.3

Reading Science & Technical Subjects
RST.6-8.1; RST.6-8.2; RST. 6-8.4; RST.6-8.5

Lesson 3 - SOS: Rising Seas

Investigation and Experimentation
6.7a; 7.7c; 8.9a

Reading: Informational Text
RI.6.1; RI.7.1; RI.8.1

Speaking & Listening
SL.6.1; SL.6.2; SL.7.1; SL.7.2; SL.8.1; SL.8.2; SL.8.4

Expressions & Equations
6. EE.B.6; 6.EE.B.7; 8.EE.A.4; 8.EE.B.5

Reading Science & Technical Subjects
RST.6-8.1; RST.6-8.3; RST. 6-8.7

Module 4: Space Prep

Lesson 1 - Designing an Autonomous Underwater Vehicle

Motion
8.1.b; 8.1e

Reading Science & Technical Subjects
RST.6-8.3

Lesson 2 - Buoyancy – From Sea to Space

Density & Buoyancy
8.8a; 8.8b; 8.8c; 8.8d

Investigation and Experimentation
6.7a; 6.7d; 7.7e; 8.9a

Speaking and Listening
SL.6.1; SL.7.1; SL.8.1;

Reading Science and Technical Subjects
RST.6-8.3; RST.6-8.6

The Number System
6. NS.B.3; 6.NS.C.5

Lesson 3 - The Best Analog

Investigation and Experimentation
6.7d; 7.7b; 7.7e

Reading Informational Text
RI.6.1; RI.7.1; RI.8.1

Speaking and Listening

SL.7.1; SL.6.4; SL.7.1; SL.7.4; SL.8.1; SL.8.4

Reading Science and Technical Subjects

RST.6-8.1; RST.6-8.2