

Ohio State Standards
Module Inspire – Expedition Ocean
High School

Module 1: Living and Working Undersea

Lesson 1 - Mayday!

Science Inquiry and Application
9-12.SP.4

Speaking & Listening
SL.9-10.1; SL.9-10.3; SL.9-10.4

Lesson 2 - Under Pressure – Boyles Law

Mathematical Practices
CC.MP.1; CC.MP.7

Reading: Informational Text
RI.9-10.4; RI.11-12.4

Lesson 3 – Dive in – Henry’s Law

Science Inquiry and Application
9-12.SP.1; 9-12.SP.4; 9-12.SP.5; 9-12.SP.6

Reading: Informational Text
RI.9-10.4; RI.11-12.4

Speaking & 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

Module 2: Life on the Reef

Lesson 1 - Coral Creations

Diversity & Interdependence of Life – Biology
B.3.1

Science Inquiry and Application
9-12.SP.6

Reading: Informational Text
RI.9-10.4; RI.11-12.4

Speaking & 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 - Where in the World is my Coral Larvae?

Science Inquiry and Application

9-12.SP.4

Reading: Informational Text

RI.9-10.1; RI.9-10.2; RI.9-10.10; RI.9-10.4; RI.11-12.1; RI.11-12.2; RI.11-12.10; RI.11-12.4

Speaking & 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 3 - Fish Detective

Science Inquiry and Application

9-12.SP.1; 9-12.SP.3; 9-12.SP.4; 9-12.SP.6

Diversity and Interdependence of Life

B.3.1; B.3.2

Mathematical Practices

CC.MP.1; CC.MP.4

Interpreting Categorical & Quantitative Data

HSS-ID.B.5

Making inferences & Justifying Conclusions

HSS-IC.A.1; HSS-IC.B.3; HSS-IC.B.4

Reading: Informational Text

RI.9-10.4; RI.11-12.4

Speaking & 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 4 - Connect to Protect

Biology - Diversity and Interdependence of Life

B.3.1

Environmental Science – Global Environmental Problems and Issues

ES.3.4; ES.3.5; ES.3.8

Writing

W.9-10.1; W.9-10.2; W.9-10.6; W.9-10.7; W.9-10.8; W.11-12.1; W.11-12.2; W.11-12.6; W.11-12.7; W.11-12.8

Reading: Informational Text

RI.9-10.1; RI.9-10.2; RI.9-10.10; RI.9-10.4; RI.11-12.1; RI.11-12.2; RI.11-12.10; RI.11-12.4

Speaking & 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

Module 3: Seas of Change

Lesson 1 - Can you take the Heat?

Science Inquiry and Application

9-12.SP.1; 9-12.SP.3; 9-12.SP.4; 9-12.SP.6

Biology - Diversity and Interdependence of Life

B.3.1

Environmental Science – Global Environmental Problems and Issues

ES.2.5; ES.3.3; ES.3.4

Mathematical Practices

CC.MP.1; CC.MP.4

Interpreting Categorical & Quantitative Data

HSS-ID.B.5

Making inferences & Justifying Conclusions

HSS-IC.A.1; HSS-IC.B.3; HSS-IC.B.4

Writing

W.9-10.9; W.11-12.9

Reading: Informational Text

RI.9-10.1; RI.9-10.2; RI.9-10.10; RI.9-10.4; RI.11-12.1; RI.11-12.2; RI.11-12.10; RI.11-12.4

Speaking & 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 - More Acidity, More Problems

Science Inquiry and Application

9-12.SP.1; 9-12.SP.3; 9-12.SP.4; 9-12.SP.6

Environmental Science – Global Environmental Problems and Issues

ES.3.3; ES.3.4

Mathematical Practices

CC.MP.1; CC.MP.4

Quantities

HSN-A.A.1

Writing

W.9-10.9; W.11-12.9

Reading: Informational Text

RI.9-10.1; RI.9-10.2; RI.9-10.10; RI.9-10.4; RI.11-12.1; RI.11-12.2; RI.11-12.10; RI.11-12.4

Speaking & 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 3 - SOS: Rising Seas

Science Inquiry and Application

9-12.SP.1; 9-12.SP.3; 9-12.SP.4; 9-12.SP.6

Environmental Science – Global Environmental Problems and Issues

ES.3.3; ES.3.4

Mathematical Practices

CC.MP.1; CC.MP.4

Making inferences & Justifying Conclusions

HSS-IC.A.1; HSS-IC.B.3; HSS-IC.B.4

Reading: Informational Text

RI.9-10.4; RI.11-12.4

Speaking & 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

Module 4: Space Prep

Lesson 1 - Designing an Autonomous Underwater Vehicle

Physics/Physical Science

P.1.2; PS.3.2

Science Inquiry and Application

9-12.SP.1; 9-12.SP.4; 9-12.SP.5; 9-12.SP.6

Reading: Informational Text
RI.9-10.4; RI.11-12.4

Speaking & 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 - Buoyancy – From Sea to Space

Science Inquiry and Application

9-12.SP.1; 9-12.SP.2; 9-12.SP.4; 9-12.SP.5; 9-12.SP.6

Reading: Informational Text
RI.9-10.4; RI.11-12.4

Speaking & 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 3 - The Best Analog

Reading: Informational Text

RI.9-10.1; RI.9-10.2; RI.9-10.10; RI.9-10.4; RI.11-12.1; RI.11-12.2; RI.11-12.10; RI.11-12.4

Speaking & 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

Writing

W.9-10.1; W.9-10.2; W.9-10.6; W.9-10.7; W.9-10.8; W.11-12.1; W.11-12.2; W.11-12.6;
W.11-12.7; W.11-12.8