

Ohio State Standards  
Module Inspire – Expedition Ocean  
Middle School

*Module 1: Living and Working Undersea*

**Lesson 1 - Mayday!**

Science Inquiry and Application  
5-6.SP.6; 5-6.SP.7

Speaking & 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

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

The Number System  
6. NS.B.2; 6.NS.B.3; 6.NS.C.7a; 7.NS.A.3

Expressions & Equations

6. EE.A.3; 6.EE.B.6; 6.EE.B.8; 7.EE.B.3

Reading: Informational Text

RI.6.4; RI.7.4; RI.8.4

**Lesson 3 – Dive in – Henry’s Law**

Science Inquiry and Application  
5-8.SP.3; 5-8.SP.5; 5-8.SP.6; 5-8.SP.8;

Speaking & 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

Reading: Informational Text

RI.6.4; RI.7.4; RI.8.4

*Module 2: Life on the Reef*

**Lesson 1 - Coral Creations**

Science Inquiry and Application  
5-8.SP.8

Life Science

LS.6.4.1; LS.6.4.2; LS.6.4.3

Reading: Informational Text

RI.6.4; RI.7.4; RI.8.4

Speaking & 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

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

Science Inquiry and Application

5-8.SP.4

Life Science

LS.7.2.2; LS.7.2.3; LS.8.2.1

Writing

W.6.9; W.7.9; W.8.9

Speaking & 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

Reading: Informational Text

RI.6.1; RI.6.2; RI.6.10; RI.6.4; RI.7.1; RI.7.2; RI.7.10; RI.7.4; RI.8.1; RI.8.2; RI.8.10;  
RI.8.4

## **Lesson 3 - Fish Detective**

Science Inquiry and Application

5-8.SP.1; 5-8.SP.3; 5-8.SP.4; 5-8.SP.6; 5-8.SP.8

Life Sciences

LS.8.1.2

Statistics and Probability

6.SP.A.1; 6.SP.B.4; 6.SP.B.5; 7.SP.A.1; 7.SP.B.3; 7.SP.C.7

Reading: Informational Text

RI.6.4; RI.7.4; RI.8.4

Speaking & 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

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

Life Science

LS.7.2.1; LS.7.2.3

Writing

W.6.1; W.6.2; W.6.6; W.6.7; W.6.8; W.7.1; W.7.2; W.7.6; W.7.7; W.7.8; W.8.1; W.8.2;  
W.8.6; W.8.7; W.8.8

Speaking & 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

Reading: Informational Text

RI.6.1; RI.6.2; RI.6.10; RI.6.4; RI.7.1; RI.7.2; RI.7.10; RI.7.4; RI.8.1; RI.8.2; RI.8.10;  
RI.8.4

*Module 3: Seas of Change*

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

Science Inquiry and Application

5-8.SP.1; 5-8.SP.3; 5-8.SP.4; 5-8.SP.6; 5-8.SP.8

Life Science

LS.7.1.1; LS.8.1.2

Statistics and Probability

6.SP.A.2; 6.SP.B.5; 7.SP.A.2; 7.SP.B.5; 8.SP.A.2; 8.SP.B.5

Writing

W.6.9; W.7.9; W.8.9

Speaking & 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

Reading: Informational Text

RI.6.1; RI.6.2; RI.6.10; RI.6.4; RI.7.1; RI.7.2; RI.7.10; RI.7.4; RI.8.1; RI.8.2; RI.8.10;  
RI.8.4

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

Science Inquiry and Application

5-8.SP.1; 5-8.SP.3; 5-8.SP.4; 5-8.SP.6; 5-8.SP.8

Life Science

LS.7.2.3; LS.8.1.2

## Ratios & Proportional Relationships

6. RP.A.3; 7.RP.A.3

## The Number System

6. NS.B.2; 6.NS.B.3

## Writing

W.6.9; W.7.9; W.8.9

## Speaking & 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

## Reading: Informational Text

RI.6.1; RI.6.2; RI.6.10; RI.6.4; RI.7.1; RI.7.2; RI.7.10; RI.7.4; RI.8.1; RI.8.2; RI.8.10; RI.8.4

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

### Science Inquiry and Application

5-8.SP.1; 5-8.SP.3; 5-8.SP.4; 5-8.SP.6; 5-8.SP.8

## Statistics & Probability

6. SP.A.3; 6.SP.A.4; 6.SP.A.5; 7.SP.A.1; 7.SP.B.3

## Reading: Informational Text

RI.6.4; RI.7.4; RI.8.4

## Speaking & 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 4: Space Prep*

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

### Science Inquiry and Application

5-8.SP.2; 5-8.SP.3; 5-8.SP.5; 5-8.SP.6; 5-8.SP.8

## Physical Science

PS.6.3.1; PS.8.2.1

## Speaking & 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

## Reading: Informational Text

RI.6.4; RI.7.4; RI.8.4

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

Science Inquiry and Application

5-8.SP.2; 5-8.SP.4; 5-8.SP.5; 5-8.SP.6; 5-8.SP.8

The Number System

6. NS.B.3; 6.NS.C.5

Speaking & 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

Reading: Informational Text

RI.6.4; RI.7.4; RI.8.4

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

Speaking & 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

Reading: Informational Text

RI.6.1; RI.6.2; RI.6.10; RI.6.4; RI.7.1; RI.7.2; RI.7.10; RI.7.4; RI.8.1; RI.8.2; RI.8.10;  
RI.8.4

Writing

W.6.1; W.6.2; W.6.6; W.6.7; W.6.8; W.7.1; W.7.2; W.7.6; W.7.7; W.7.8; W.8.1; W.8.2;  
W.8.6; W.8.7; W.8.8