

Science Objectives

- Introduce students to high-level scientific concepts, vocabulary, and topics
- Teach lab safety
- Familiarize students with lab equipment
- Engage students through the use of hands-on science experiments
- Emphasize scientific understandings in the context of their negative effects on the planet
- Spark curiosity for science

Service Objectives

- Build habits in students to use knowledge/research to effectively solve issues
- Teach students about the importance of caring for the earth
- Promote collaborative attitudes
- Demonstrate how service is an essential trait of society
- Spark an initiative in students to apply knowledge and start their own service project

School Requirements

- Class size 35 or under
- Access to electronic display (i.e. projector, promethean board, etc)
- Grades 3-5

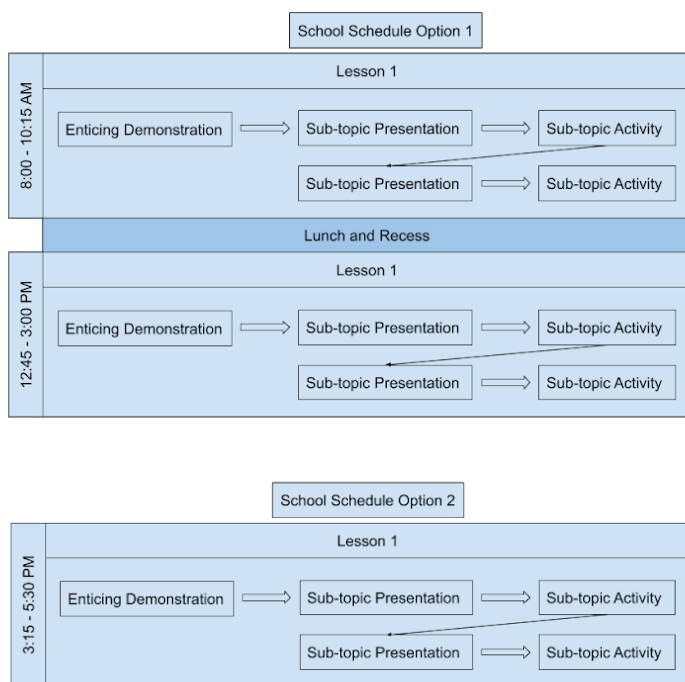
Available Lessons and Corresponding Subtopics

- Coral Reefs
 - Food Chain
 - Ocean Acidification
- Respiratory System
 - Anatomy and Physiology of Respiratory System
 - Air Pollution
- **MANY MORE COMING SOON!**

Updated COVID-19 Sanitation Procedures

- **Students at least 6 feet apart at all times**
- **Intermittent hand washing (entering the room, beginning an activity, ending an activity, exiting the room)**
- **Mask requirement (will be provided)**
- **Latex glove requirement (will be provided)**
- **Accessible hand sanitizer (will be provided)**
- **Open-air spaces whenever possible**
- **Contactless activities if requested**
- **100% digital substitutes if requested**

Lesson Schedule



Each lesson will cover one overarching theme, split across two closely-related sub-topics. Each sub-topic will have its own presentation and hands-on activity. There are two time slots during which we may teach a lesson:

Option 1: The same lesson may be presented at most twice **during the school day**, however the morning and afternoon presentations will be taught by different crews of 3 high school students to different elementary classes.

Option 2: The lesson may be taught once **after school**. One crew of 3 high school students will present to a group of students who agree to stay after school.

These schedules are based on an 8:00-3:00 school schedule. Although this is the standard schedule, the time is flexible and can change on a school-to-school basis.

Option 1 Schedule

7:40 AM Morning crew arrives

7:40-8:00 Set-up materials

8:00-8:20 Enticing demonstration (science experiment to grab attention)

8:20-8:35 Subtopic presentation (electronic presentation of material)

8:35-9:10 Subtopic activity (relevant hands-on activity)

9:10-9:25 Subtopic presentation

9:25-10:00 Subtopic activity

10:00-10:15 Cleanup

If two lessons are being taught in one day, schedule continues as follows:

12:25 PM Afternoon crew arrives

12:25-12:45 Set-up materials

12:45-1:05 Enticing demonstration

1:05-1:20 Subtopic presentation

1:20-1:55 Subtopic activity

1:55-2:10 Subtopic presentation

2:10-2:45 Subtopic activity

2:45-3:00 Cleanup

Option 2 Schedule

2:55 PM Crew arrives

2:55 -3:15 Set-up materials

3:15-3:35 Enticing demonstration (science experiment to grab attention)

3:35-3:50 Subtopic presentation (electronic presentation of material)

3:50-4:25 Subtopic activity (relevant hands-on activity)

4:25-4:40 Subtopic presentation

4:40-5:15 Subtopic activity

5:15-5:30 Cleanup