

# Live investigation: Going deeper



Age 7-14



45 minutes

### Prep resources



**Lesson:**

Coral live prep 7-11  
Coral live prep 11-14

**Unit:**

Coral Oceans 7-11  
Coral Oceans 11-14



**PD Collection:**

Encounter Live support

### Encounter Live support

If you have never joined a live lesson before use the guidance at <https://encounteredu.com/cpd/collections/encounter-live-support>, where you will find technical and educational support.

### Live resources



**Encounter Live:**

Live homepage



**Activity:**

Under pressure

**Activity:**

Depth and light



**Student Sheet:**

Under pressure

**Student Sheet:**

Depth and light

### Live lesson overview

In this investigation students will firstly examine the relationships between pressure and depth, and depth and light, in two exciting activities

### Preparation

Live lessons work best when students have some prior knowledge and have prepared questions. Either teach a lesson from one of the Coral Oceans units linked on the left or choose a one-off Coral Live Prep lesson.

Questions generated by your class can be submitted via the Encounter Live tab in your Encounter Edu profile.

### Learning objectives

- Describe how depth impacts light intensity
- Investigate how depth impacts coral
- Formulate higher order questions

### Session steps

**1. Setup**

Check that you can view live chats by testing any YouTube Live video. Ensure you have the correct materials for the Live Lesson.

**2. Introduction (5 mins)**

The presenter will open the session with a welcome and brief introduction to the expedition.

**3. Subject knowledge (10 mins)**

The presenter will then explain how pressure increases with depth and discuss the implications for deep-sea exploration. During this time distribute the resources to students.

**4. Activity one (10 mins)**

The presenter will begin demonstrating the activity, students can follow along in real-time. During this time, you can submit your students' questions via the live chat.

**5. Subject knowledge (5 mins)**

Moving on to the next activity the presenter will explain how the relationship between depth and available light affects deeper corals and will talk briefly about the Science Journal app.

**6. Activity two (10 mins)**

The presenter will begin demonstrating the activity, students can follow along in real-time. During this time submit your students' questions via the live chat.

**7. Q&A (5 mins)**

After completing the activity, the presenter will be able to answer pre-submitted questions and take part in the live chat.