

# Live investigation: Streamlined sharks



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

### Live resources

**Encounter Live:**

Live homepage

**Activity:**

Streamlined sharks

**Student Sheet:**

Streamlined sharks

### Live lesson overview

This exciting activity asks students to investigate the relationship between shape and water resistance. During this activity students will test out different shapes to see if they can find a more streamlined shape than a shark and consider why the shark hasn't changed for 100 million years.

### Preparation

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 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

- Give an example of a streamlined object
- Investigate how the shape of an object changes the time taken to move through a substance
- 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 you are taking part in.
- 2. Introduction (5 mins)**  
The presenter will open the session with a welcome and brief introduction to the expedition.
- 3. Subject knowledge (10 mins)**  
They will then explain some of the reasons why sharks have hardBy changed in 100 million years. At this point distribute resources to students. begin dividing up the modelling clay, ensuring each piece has the same mass.
- 4. Activity (15 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. Q&A (15 mins)**  
After completing the activity, the presenter will be able to answer pre-submitted questions and take part in the live chat. At the end of the broadcast, the presenter will suggest some other activities you might like to try.