

Year Group: Y10/ 11

Subject / Theme of Lesson:

Adaptation – To understand the different adaptations that plants and animals have and how these aid their survival.

Pupil Age: 9-11

The Swanage Pier Trust has prepared this plan, presentation and resources for school groups visiting Swanage Pier. The plan and teaching resources are editable to enable them to be tailored to the different needs of student groups.

Link to next session:

The process of natural selection leading to evolution.

The evidence for evolution

Links to PSHE, Citizenship or Global Citizenship:

- Collaboration
- Team building
- Communication

Resources:

Swanage Pier Presentation

Swanage Pier worksheets photocopied

NC References:

Living organisms are interdependent and show adaptations to their environment

Organisms are interdependent and are adapted to their environment

The importance of biodiversity

Positive and negative human interactions with ecosystems.

Vocabulary: Habitat, adaptation, ecosystem, environment, exoskeleton, organism, biodiversity, evolution, natural selection.

ICT Opportunities:

Digital photographs – child led

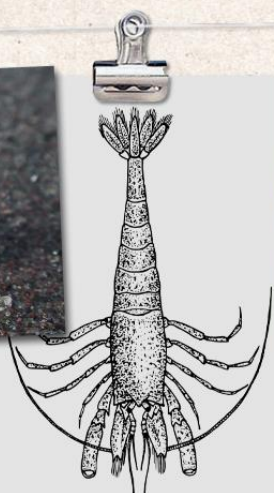
Video diary – child led

Research plant and animal adaptations on the internet – child led

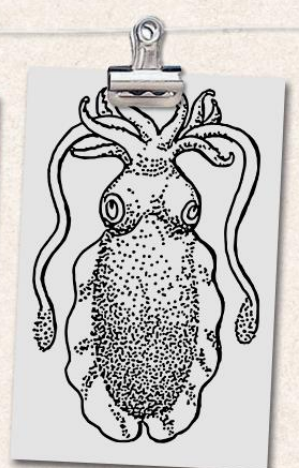
sand
eel



lobster



spider crab



cuttlefish

Learning Objectives:

To know what makes a good habitat
 To know that plants and animals have adaptations that help them survive
 To describe anatomical, behavioral and physiological adaptations
 To identify the different adaptations of different plants and animals and describe the benefit of those adaptations.

'Child Speak' Objectives:

1. I know what makes a good habitat
2. I know that plants and animals have adaptations that aid their survival
3. I can describe and give examples of anatomical, behavioral and physiological adaptations
4. I can identify different adaptations of different plants and animals and describe the benefit that they provide.

How the learning will be assessed:

Teacher/Facilitator: Observation/questioning/photography/discussions
 Child led: Photography/video/discussions/peer

Timing

Overview of lesson

5 min

Introduction to the theme. To understand the different adaptations that plants and animals have and how these aid their survival.

Discuss learning objective and aims.

40 min.

Presentation

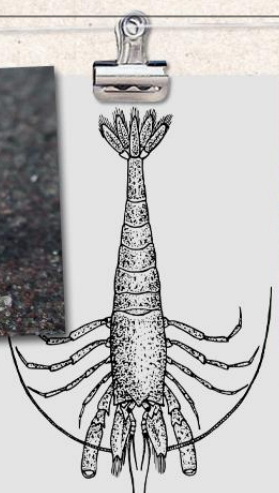
Presentation can be delivered in the classroom or in the Swanage Pier education room.

Activities

Activities should be completed on Swanage Pier. In bad weather the Swanage Pier education room can be used as this provides a view of the Pier.

Activities can be completed individually, in pairs or in small groups.

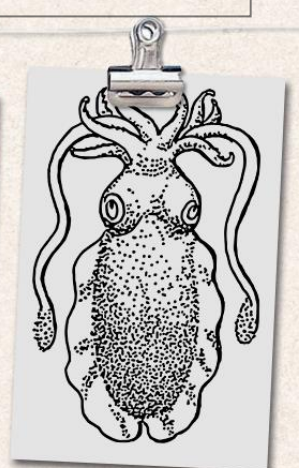
sand
eel



lob-ster



spider crab



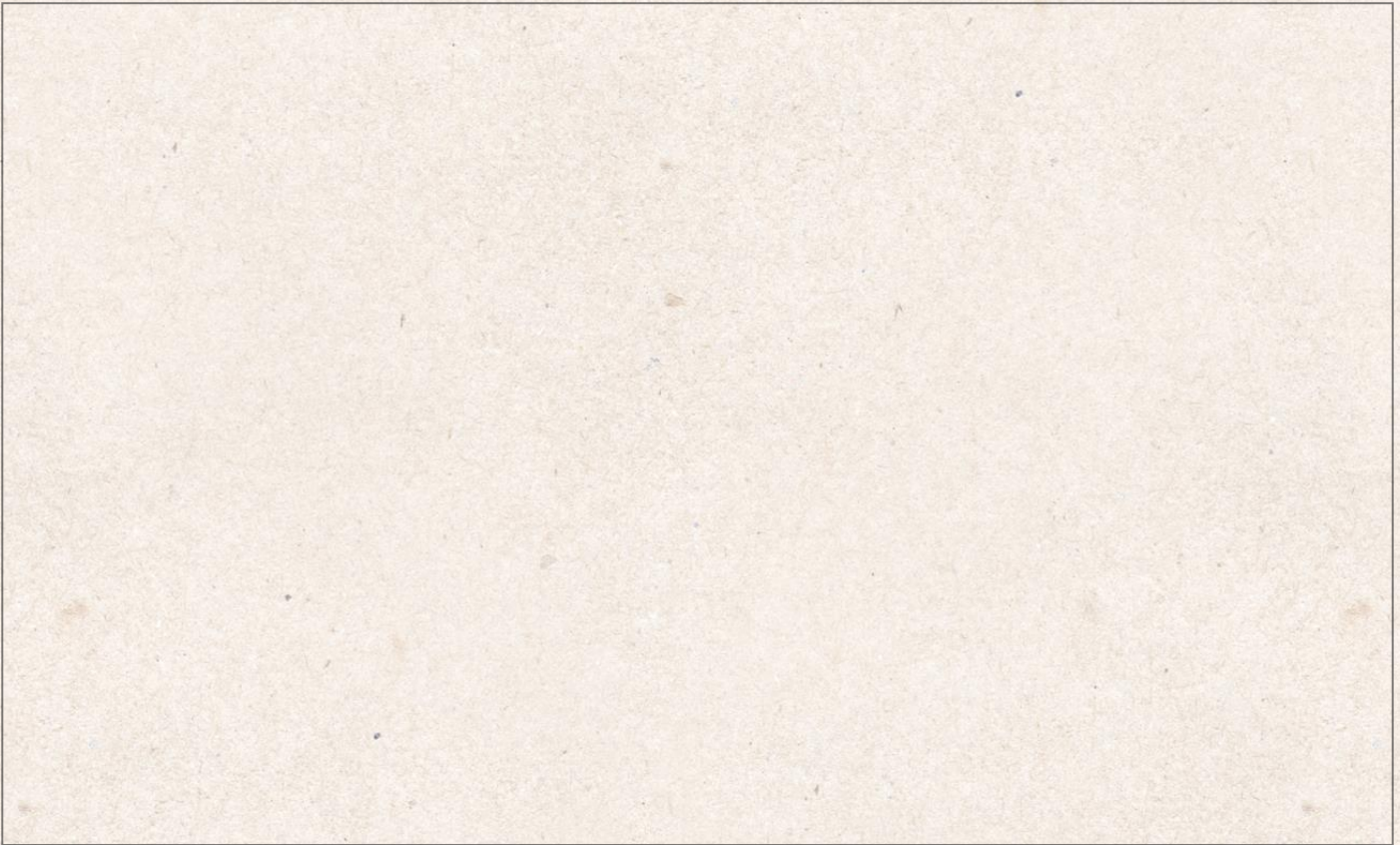
cuttlefish

KEY
STAGE
4



BIOLOGY

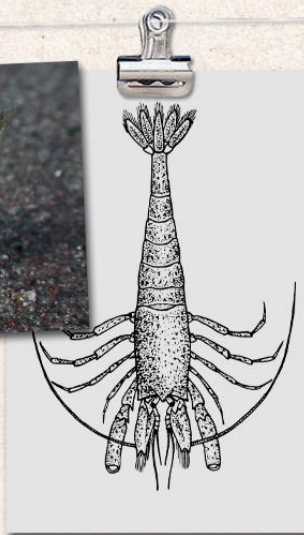
LESSON PLAN



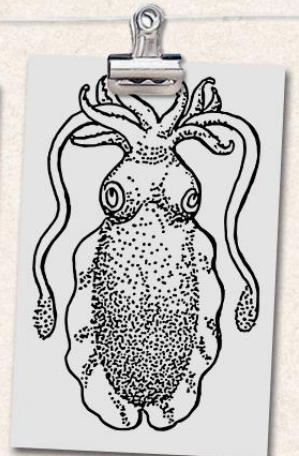
*sand
eel*



lob-ster



spider crab



cuttlefish