

# 7 LESSONS

TERM THREE

## FOOD CHAINS AND FOOD WEBS

- Learning Objectives
- Background
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- Curriculum Mapping

Photo credit: Marilyn Connell





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### LEARNING OBJECTIVES

Here, you will find the learning objectives for this lesson

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## PAGE 4

### CLASSROOM ACTIVITIES

There are two activities for this lesson.

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## PAGE 3

### BACKGROUND INFORMATION

Learn about food chains and food webs

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## PAGE 5

### CURRICULUM

See how this lesson maps with the Australian curriculum

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# Learning Objectives

At the end of the lesson, students will be able to:

(1) Differentiate between a food chain and food web and identify organisms at different trophic levels.

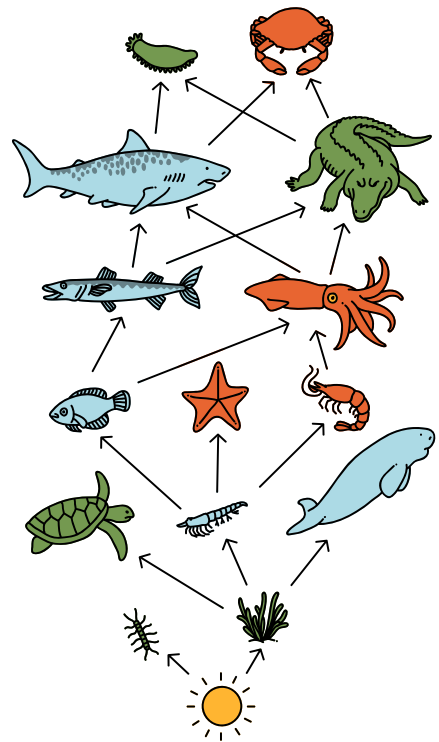
## Background Information

### Food Chain:

A food chain is a linear sequence that shows the transfer of energy and nutrients from one organism to another.

### Food Web:

Food webs consist of many interconnected food chains. A food web shows the feeding relationships among different organisms. In a food web, organisms can have multiple predators or prey.



### Trophic Level:

Trophic levels refer to the positions that organisms occupy in a food chain or food web. Trophic levels represent the different levels of energy transfer and nutrient flow.

1. Producers such as plants occupy the first trophic level as they convert sunlight into energy through photosynthesis.
2. Primary consumers – animals which feed on plants (herbivores).
3. Secondary consumers – animals which eat primary consumers.
4. Tertiary consumers – larger carnivores that eat secondary consumers.

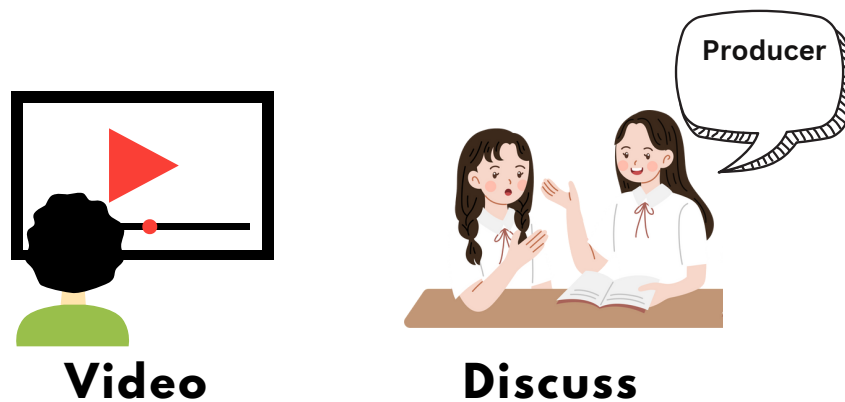
# Classroom Activities

## ACTIVITY 1

(1A) Watch the following video as a class which gives an overview of food chains and food webs.

Link to video: <https://www.youtube.com/watch?v=YuO4WB4SwCg> [Copy and paste into browser]

(1B) Initiate a class discussion about what students learnt from the video. Write the students ideas on the whiteboard.



## ACTIVITY 2

(2A) Ask the students to incorporate the water bug they drew in Lesson 5, Term 3 into a food chain and food web for their local wetland.

(2B) Guide students to identify the primary producers, consumers and decomposers in their food chain and food web.



# Australian Curriculum addressed in this Lesson



## Science

### Strand: Science Understanding (Year 5)

#### Sub-strand: Biological Sciences

**AC9S5U01:** examine how particular structural features and behaviours of living things enable their survival in specific habitats.

### Strand: Science Understanding (Year 6)

#### Sub-strand: Biological Sciences

**AC9S6U01:** investigate the physical conditions of a habitat and analyse how the growth and survival of living things is affected by changing physical conditions.