

# Section E: Activities



## Outline of Activities

Activity no.	Activity title	Instructions	Student Learning objectives	Section
1	Western Port Quiz	Students work individually to complete the multiple choice questions. A class discussion regarding the answers to the questions should follow. Answers are provided in the 'recommended activities table' in section a.	To help students to master the main concepts covered in the Western Port section.	A
2	Find-A-Word	Students work individually or in pairs to find the words listed in the table. Not all the words listed are covered in section A so this activity may be best utilised following completion of the entire program.	To have fun and become familiar with some key words relating to Western Port. This activity will assist in student's recognition of these words and help with their spelling.	A
3	Match Words to Meanings	Students work individually to do this task. There are 2 lists in this exercise. The first list contains words, the second contains definitions. The definitions and words are jumbled up. The students have to match up the words to the correct definitions.	To increase the students vocabulary and spelling of words related to the Western Port topic.	A
4	Shorebird Quiz	Students work individually to complete the multiple choice questions. A class discussion regarding the answers to the questions	To increase students knowledge about identifying shorebirds.	B

		should follow. Answers are provided in the 'recommended activities table' in section B.		
5	Shorebird field trip	Students are taken on a field trip in Western Port to experience the wonder of shorebirds. Places to visit are nearby wetlands (e.g. lake, mangrove or mudflat).	A practical exercise to get students out of the classroom and into their local environment. Will help students bring to life all the information about shorebirds they have learnt.	B
6	"I am a ..."	Students choose a species of migratory shorebird. Students are then required to pretend they are that bird and write a story about their migration journey. There is a list of questions that should be answered within the story.	To enhance students understanding of shorebird migration.	B
7	Wetland Poems	Students read the poems together as a class. Each poem focuses on a topic covered in the wetlands section. There should then be a class discussion about the poems to discuss the student's responses to them.	A fun and creative activity aimed at facilitating understanding about wetlands. This section will help to improve the student's literacy.	C
8	Wetlands Word Search	Students work individually or in pairs to find the words listed in the table. The words listed are types of wetlands.	To help students to become familiar with the different types of wetlands.	C
9	Wetland Crossword	Students work individually or in pairs to complete the cross word. The answers are in the wetlands section.	To help students to recap the knowledge covered in the wetlands section.	C

10	Short answer task	Students work individually to answer the questions. A class discussion on the answers to the questions should follow. Answers to the questions are covered in the context of section a.	To gain a clear understanding of the threats facing Western Port shorebirds and how these threats can be minimized through local community actions.	D
11	Design a Sign	Students work in small groups to design a 'Western Port Shorebird Protection Sign' (in the form of a poster) to be (hypothetically) erected at an important shorebird wetland site. Once completed, these signs could be displayed in the classroom	To come up with ideas as to how the local Western Port community can help protect shorebirds and their wetland habitat.	D
12	Write a letter	Students write a letter to their local newspaper, to help raise awareness about the important shorebirds that live in Western Port and the need to protect them. Students may or may not wish to actually send these letters.	To utilise their knowledge on Western Port shorebirds to raise awareness of the issue among their local community. To empower the kids to take action to protect the shorebirds	D

## Activity Checklist Table

Activity Number	Date Completed	Notes
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

## **Activity 1: Western Port Quiz**

Based on what you have just learnt about Western Port, choose the correct answer for the following multiple choice questions. Each question can only have one correct answer.

**1. Who named Western Port?**

- (A) Michael Bass
- (B) George Bass
- (C) George Michael

**2. In which year was Western Port named?**

- (A) 1983
- (B) 1979
- (C) 1797

**3. What is the size of Western Port bay?**

- (A) 18, 970 hectares
- (B) 68, 000 hectares
- (C) 45, 000 hectares

**4. What are the names of the two biggest islands in Western Port?**

- (A) Italy Island and Phillip Island
- (B) Peter Island and French Island
- (C) French Island and Phillip Island

**5. The port facilities of Western Port provide for which major local industries?**

- (A) An oil refinery, gas plant and steel factories.
- (B) An oil refinery, gas plant and clothing factories.
- (C) A power station, gas plant and clothing factories.

**6. Which of the following sentences are true?**

- (A) There has been an increase in population and recreational activities over the years at Western Port.
- (B) There has been an increase in population but a decline in recreational activities over the years at Western Port.
- (C) There has been an increase in industrial activity but a decline in population over the years at Western Port.

**7. Which of the following sentences are false?**

- (A) One of the major issues of concern in Western Port and its catchment is waste and littering from boating activities.
- (B) One of the major issues of concern in Western Port and its catchment is logging in forested parts of the catchment.
- (C) One of the major issues of concern in Western Port and its catchment is fishing in the catchment.

**8. What makes Western Port an ecologically important area?**

- (A) Because Western Port has beautiful scenery.
- (B) Because Western Port has a big shopping centre.
- (C) Because Western Port supports a wide range of terrestrial and marine plant and animal species.

**9. Western Port is listed as a 'Ramsar Site'. What does this mean?**

- (A) Western Port is great for fishing, sailing and swimming
- (B) Western Port contains wetlands of international importance
- (C) Western Port is a great tourist destination

**10. How many migratory bird species are listed under the China-Australia Migratory Birds Agreement?**

- (A) 29
- (B) 31
- (C) 27

**11. WWF Australia has been working in five shorebird sites across Australia. Which of the following states is not included in the five shorebird sites?**

- (A) Northern Territory
- (B) South Australia
- (C) Victoria

**12. Which of the following is the correct definition for the word "ecosystem"?**

- (A) An ecological community together with its environment, functioning as a unit.
- (B) An action performed by animals when they are giving birth.
- (C) The name of a tourist resort in Western Port.

## Activity 2: Find-A-Word

Find the words listed below. The words may appear horizontally, vertically, diagonally or back to front. Once you have found all of these words, see if you know what they mean.

S	H	O	R	E	B	I	R	D	S	J	M	A	N	G	R	O	V	E	S
A	M	N	W	H	J	F	H	S	E	T	I	S	R	A	S	M	A	R	K
S	P	P	V	H	K	R	N	X	A	T	P	E	L	I	C	A	N	S	L
R	T	O	B	G	H	E	F	V	G	Y	X	O	P	L	E	G	M	N	H
T	Y	L	P	M	J	N	C	H	U	U	C	J	S	T	S	A	O	C	F
Y	U	L	L	H	G	C	V	X	L	J	Z	H	G	J	W	M	D	O	D
U	I	U	O	K	U	H	L	V	L	R	T	N	G	L	Q	D	F	N	E
P	N	T	V	W	G	I	H	N	S	F	Y	W	E	X	G	F	S	S	R
H	O	I	E	W	E	S	T	E	R	N	P	O	R	T	Q	L	R	E	S
I	I	O	R	D	G	L	M	M	R	B	U	D	F	A	B	C	E	R	E
L	T	N	S	N	C	A	B	E	D	V	I	C	E	W	A	M	P	V	A
L	A	E	W	C	N	N	V	W	K	C	O	S	V	B	Y	S	I	A	G
I	D	R	T	O	V	D	F	W	E	T	L	A	N	D	S	E	P	T	R
P	A	J	G	R	M	H	G	K	F	L	G	D	F	G	M	G	D	I	A
I	R	I	I	A	M	I	G	R	A	T	I	O	N	H	R	N	N	O	S
S	G	N	M	L	B	J	M	R	H	K	O	Z	S	B	S	O	A	N	S
L	E	L	G	S	P	E	N	G	U	I	N	S	W	F	H	P	S	K	F
A	D	E	O	P	V	H	A	B	I	T	A	T	S	G	Q	S	V	B	L
N	Y	T	L	J	C	D	G	H	X	G	M	Z	F	X	H	E	X	O	I
D	U	S	I	H	D	F	S	T	A	L	F	D	U	M	F	G	R	Y	T

Bays  
Coasts  
Conservation  
Corals  
Degradation  
French Island  
Habitats  
Inlets  
Mangroves  
Migration  
Mudflats  
Pelicans

Penguins  
Phillip Island  
Plovers  
Pollution  
Ramsar Sites  
Sandpipers  
Seagrass  
Seagulls  
Shorebirds  
Sponges  
Western Port  
Wetlands

### Activity 3: Match Words to Meanings

There are two lists below, one containing words that we were used in the Western Port section, and the other containing the meanings to these words. The definitions to these words are jumbled up. Your task is to matching each word to its correct meaning.

- |                  |   |
|------------------|---|
| 1. Dredging      | A. The combined flora and fauna of a region.  |
| 2. Ecological    | B. Catching or collecting water, especially rainwater.  |
| 3. Biota         | C. Machines equipped with scooping or suction devices and used to deepen harbours and waterways and in underwater mining.                               |
| 4. Catchment     | D. The science of the relationship between organisms and their environments.  |
| 5. Intertidal    | E. Lasting for a markedly brief time.   |
| 6. Waterfowl     | F. Flow or flowing.   |
| 7. Flux          | G. The science or art of cultivating fruits, vegetables, flowers, or ornamental plants.   |
| 8. Mangrove      | H. A region between the high tide mark and the low tide mark.   |
| 9. Ephemeral     | I. Tropical evergreen trees or shrubs of the genus <i>Rhizophora</i> , having stilt like roots and stems and forming dense thickets along tidal shores. |
| 10. Horticulture | J. Low coastal grassland frequently overflowed by the tide.   |
| 11. Silt         | K. A sedimentary material consisting of very fine particles intermediate in size between sand and clay.   |
| 12. Saltmarsh    | L. A water bird, especially a swimming bird.  |

## **Activity 4: Shorebird Quiz**

✦ Based on what you have just learnt about Shorebirds, choose the correct answer for the following multiple choice questions. Each question can only have one correct answer.

**1. What is another name for shorebirds?**

- (A) Waterbirds
- (B) Waders
- (C) Seagulls

**2. What percentage of Australian birds are shorebirds?**

- (A) 10%
- (B) 1%
- (C) 100%

**3. What are vagrant shorebirds?**

- (A) Shorebirds that are sick or injured
- (B) Shorebirds that only very occasionally visit Australia
- (C) Shorebirds that live permanently in Australia

**4. What is the habitat of shorebirds?**

- (A) Desert
- (B) Forests
- (C) Wetlands

**5. Which of the following sentences is false?**

- (A) Shorebirds eat small worms, insects, carrots and a variety of molluscs and crustaceans.
- (B) Shorebirds eat small worms, insects, fish and a variety of molluscs and crustaceans
- (C) Shorebirds eat small worms, lollies, fish and variety of molluscs and crustaceans.

**6. Which of the following sentences are true?**

- (D) Probe feeding involves shorebirds locating their prey by probing in the sand and mud.
- (E) Probe feeding involves shorebirds locating their prey by trapping them in nets.

(F) Probe feeding involves shorebirds locating their prey by running after them.

**7. Which does shorebird migration mean?**

(D) Eating lots of food

(E) Walking small distances every day

(F) Travel to another place or country in search of warmer climates or better feeding areas

**8. Which of the following sentences are true?**

(D) Most migratory shorebirds breed in northern China, Mongolia, Siberia and Alaska, during January and February.

(E) Most migratory shorebirds breed in northern China, Mongolia, Siberia and Alaska, during June and July.

(F) Most migratory shorebirds breed in northern China, Mongolia, Siberia and Alaska, during December.

**9. When do shorebirds come to Australia?**

(D) During the breeding season

(E) During the non breeding season

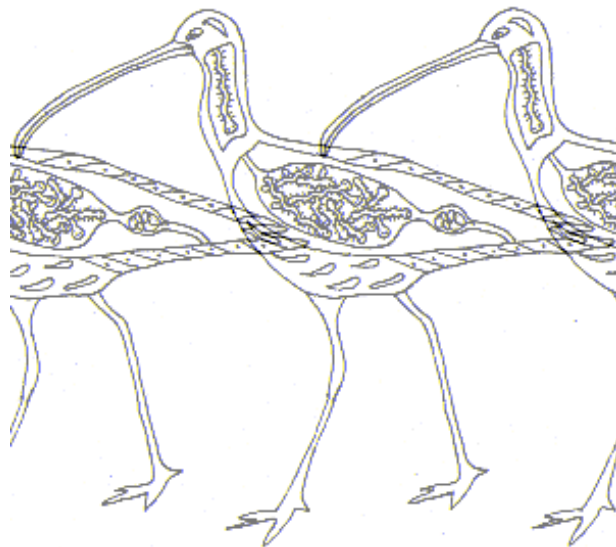
(F) On their birthday

**10. Approximately How many shorebirds use the East Asian-Australasian Flyway?**

(D) 8 billion

(E) 8 million

(F) 800 billion



## **Activity 5: Shorebird Field Trip!**

### **Task**

The aim of this task is to observe a variety of shorebirds living at a wetland in your local area. The following questions should be answered during this field trip.

**Where are you?**

---

**What type of wetland is here?**

---

**What condition is the wetland in? Can you see any rubbish near by?**

---

---

**What species can you see? You may like to draw some of the types of shorebirds that you see to help you identify them later.**

---

---

**Are the shorebirds that you see local or migratory?**

---

**What are the shorebirds are doing?**

---

---

**If they are eating, what they are eating?**

---

---

**Can you identify any threats to these shorebirds? For example pets, pollution etc...**

---

---

**How can I help the shorebirds to be safe?**

---

---

## **Activity 6: I am a...?**

### **Task**

Select a species of migratory shorebird. Imagine that you are this bird and write a story about your migration journey across the world.

### **What you should include in your story?**

What species of migratory shorebird you are?

What do you do to prepare for your long migration?

Where do you live during the breeding season?

Where do you live during the non-breeding season?

What helps you to fly such long distances?

What do you do when you are tired or hungry during your flight?

What places have you visited along the East Asian-Australasian Flyway?

**Remember to be creative! Think of interesting things that could happen to you as a shorebird during your long migration journey!**

**HAVE FUN!**

## **Activity 7: Wetland Poems**

Each of the following poems focuses on a topic covered in the wetlands section. Students are to read these poems as a class and form a discussion based on these topics.

### **If I Were an Elegant Egret...**

