



Adopt - a - Reach *Curriculum resource*

What's out there?

- Suitable for Primary and Secondary levels
- With suggested learning activities
- Appropriate for a range of Standards across different Domains.



In partnership with: Department of Sustainability and Environment, Department of Primary Industries, Department of Education and Early Childhood Development Shepparton Network, Yorta Yorta Joint Body, Yorta Yorta Nations, Rumbalara Cooperative, Word and Mouth, Goulburn Murray Landcare Network, Parks Victoria, and Sir Andrew and Lady Fairley



“As members of the Shepparton Mooroopna community we look forward to working together so this community can understand and appreciate the importance of our river environment.

It is our hope that this community will feel really connected to the river and to each other”.

**Adopt-a-reach Launch affirmation,
5 June 2008.**

Student activities

1. Graphic representation of places. (Humanities/Maths)

- a. Comparison of the “What’s out there?” graphic with different representations of the same or similar area such as
 - i. a map
 - ii. aerial photo
 - iii. oblique photo.

- b. Concepts to explore include
 - i. perspective, scale and proportion
e.g. Trace the shape of the Goulburn River on each graphic and compare.
 - ii. selection of features - what is and isn’t included? why?
 - iii. mapping tools B.O.L.T.S. (Border, Orientation, Legend, Title, Scale)
e.g. What direction are different features from each other and/or from the school?
Investigate the different scales of different features, and/or of distances between features?

2. The nature of Environments. (Humanities/Science)

- a. Identifying the components and features of natural and human environments:
 - i. The difference between living (biotic) and non living (abiotic) features of natural environments
 - ii. Features of the natural environment components (atmosphere, lithosphere, biosphere and hydrosphere)
 - iii. Features of the human environment components (population, settlements, technology, infrastructure, cultural heritage).

- b. Investigate the nature of the river flood plain ecosystem.

- c. Identify examples of how environments change over time:
 - i. How nature changes environments
 - ii. How humans change environments
 - iii. Examples of short term and long term changes to environments
 - iv. Examples of minor and major environmental changes.

3. Grid references. (Humanities/Maths)

To teach skills of

- a. finding features from a given grid reference
- b. calculating a grid reference for a given feature.

(See attached *Where is it?* example suitable for primary students)

4. Development of vocabulary and written and oral expression (English, LOTE)

Possible themes include:

- a. Colours
- b. Animal names and numbers
- c. Forms of transport
- d. Where is?
- e. What are people doing?
- f. Aspects about the environment. (See activity 2 above)

5. Artistic expression (Art/Technology)

- a. Design/art elements and principles – contrasting colours on poster, use of repetition, symbols, how objects and locations are simplified but important aspects remain.
- b. Lesson on “perspective” – poster not in perspective in terms of true aerial view. Which perspective has the artist used? Students could create their own treasure maps using the same perspective as poster.
- c. Students could pick an animal on the poster and make lino cuts of their choice.
- d. Students could select a section of the graphic for reproduction using grid enlargement.
- e. Students could choose a location on the graphic and use an art technique to create a piece of artwork: sculpture, drawing, charcoal, painting, dot drawing etc. (See activity 6)

6. Individual and/or group research.

(Any Domain but especially Humanities/Science/Art/English)

Students could be given

- a. a theme to investigate or
- b. a site or grid reference to research - what the location is used for, its historical, economic, environmental, cultural, recreational, and/or social importance.

Topics could be allocated by student choice or lucky dip.

Six figure grid reference version (Secondary Schools)

Themes	Sites	Locations
1. Local indigenous history and culture	a. The flats	153537
	b. The sand hills	136566
	c. Scar trees	124512
	d. Rumbalara	125515
	e. Kidstown (Daish's Paddock)	154547
	f. Local Totem species - Long Necked Turtle	145514 or 155535
2. Local European history and culture	a. Shepparton's historical site (McGuire's Punt old wharf)	174547
	b. Chinaman's Gardens	140537
	c. Historical irrigation pump site	174562
	d. Shepparton cemetery	146571
	e. SPC Ardmoma cannery	123532
	f. Old Mooroopna hospital	138541
3. Wetlands - What are they? - Their role in the environment. - Human impact on wetlands - Management of wetlands	a. Gemmills Swamp	130560
	b. Reedy Swamp	130590
4. Local flora and fauna	a. Range of many plants, animals, birds, insects as illustrate	125594
	b. In particular - White Breasted Sea Eagle - Endangered Squirrel Glider	175565

Themes cont.	Sites cont.	Locations cont.
5. Environmental Management	a. Shepparton Regional Park and Lower Goulburn National Park	Boundary approx 110575 to 140579
	b. Fish ladder	144565
	c. Water quality monitoring	160519
	d. Revegetation	128526
	e. Waste Water Treatment Plant	150607
6. Recreation, tourist and leisure activities	a. Kidstown	154547
	b. Fishing	152568
	c. Princess Park	172559
	d. Bird observing	140579 & 135555
	e. Bike riding	163542
	f. Art Gallery	178560
	g. Library	175558
	h. Aquamoves	173542
	i. Victoria Park Lake	175541
	j. Mooving Art cows	178553
	k. Shepparton Golf Course	140571
7. Water use	a. Urban - Water Treatment Plant - Waste Water Treatment Plant	175544 150607
	b. Agriculture - Irrigation (historic site) - Orchards - Dairy farming - Grazing	174562 190580 158600 150598
	c. Manufacturing - SPC Ardmona	123532
	d. Recreation - Fishing, - Canoeing	152568 119579

Melways grid version. (Primary Schools)





Themes	Sites	Locations
1. Local indigenous history and culture	a. The flats	E8
	b. The sand hills	C5
	c. Scar trees	B10
	d. Rumbalara	B10
	e. Kidstown (Daish's Paddock)	E7
	f. Local Totem species - Long Necked Turtle	D10 or E8
2. Local European history and culture	a. Shepparton's historical site (McGuire's Punt old wharf)	G7
	b. Chinaman's Gardens	C8
	c. Historical irrigation pump site	G5
	d. Shepparton cemetery	D4
	e. SPC Ardmona cannery	B9
	f. Old Mooroopna hospital	C7
3. Wetlands - What are they? - Their role in the environment. - Human impact on wetlands - Management of wetlands	a. Gemmills Swamp	B & C 5 & 6
	b. Reedy Swamp	B & C 2 & 3
4. Local flora and fauna	a. Range of many plants, animals, birds, insects as illustrate	B2 & C1
	b. In particular - White Breasted Sea Eagle - Endangered Squirrel Glider	G5
5. Environmental Management	a. Shepparton Regional Park and Lower Goulburn National Park	Boundary approx B4 & C4
	b. Fish ladder	D5
	c. Water quality monitoring	F10
	d. Revegetation	B9
	e. Waste Water Treatment Plant	E1 & D1








Themes cont.	Sites cont.	Locations cont.
6. Recreation, tourist and leisure activities	a. Kidstown	E7
	b. Fishing	E5 & D11
	c. Princess Park	G6
	d. Bird observing	C6
	e. Bike riding	F7
	f. Art Gallery	G6
	g. Library	G6
	h. Aquamoves	G7
	i. Victoria Park Lake	G7
	j. Mooving Art cows	G6
	k. Shepparton Golf Course	D4
7. Water use	a. Urban <ul style="list-style-type: none"> - Water Treatment Plant - Waste Water Treatment Plant 	G7 D1 & E1
	b. Agriculture <ul style="list-style-type: none"> - Irrigation (historic site) - Orchards - Dairy farming - Grazing 	G5 I4 E1 E2
	c. Manufacturing <ul style="list-style-type: none"> - SPC Ardmona 	B8
	d. Recreation <ul style="list-style-type: none"> - Fishing, - Canoeing 	E5 & D11 A4

Where is it ?????

Task:

- Find the following 12 RiverConnect features on the RiverConnect cartoon poster.
- Show us you have found the features by writing the grid reference in the last column.
- The first one has been done for you.

Picture	What is it?	Where is it?
1. 	River Red Gum	C11
2. 	Bird Hide	
3. 	The confluence of the Goulburn and Broken Rivers	
4. 	A Squirrel Glider and the historic Irrigation site	
5. 	Fish Ladder	

<p>6.</p> 	<p>The Flats: An important aboriginal cultural site</p>	
<p>7.</p> 	<p>Kangaroos</p>	
<p>8.</p> 	<p>Mooroopna deep water hole</p>	
<p>9.</p> 	<p>The historic Old Punt site.</p>	
<p>10.</p> 	<p>Long Necked Turtle</p>	
<p>11</p> 	<p>White Breasted Sea Eagle</p>	
<p>12.</p> 	<p>Historic aboriginal Scar Trees</p>	