



Notes for Teachers

To complement Clean Up the Murray River / An Interactive Recycling Game for Primary School Students in NSW

The game



The game is a fun, interactive and curriculum-based educational resource in two stages. There are four versions of the game: one for each learning stage. Each version of the game is contained on its own URL.

Section 1 involves the student choosing a character and a vessel and navigating the Murray River, picking up rubbish and avoiding wildlife. As the student travels up the river, they will pass checkpoints. At each checkpoint, an information screen will pop up containing educational content. The student reads the information then continues. At the end of the river course, a quiz is generated based upon the information that the student has read.

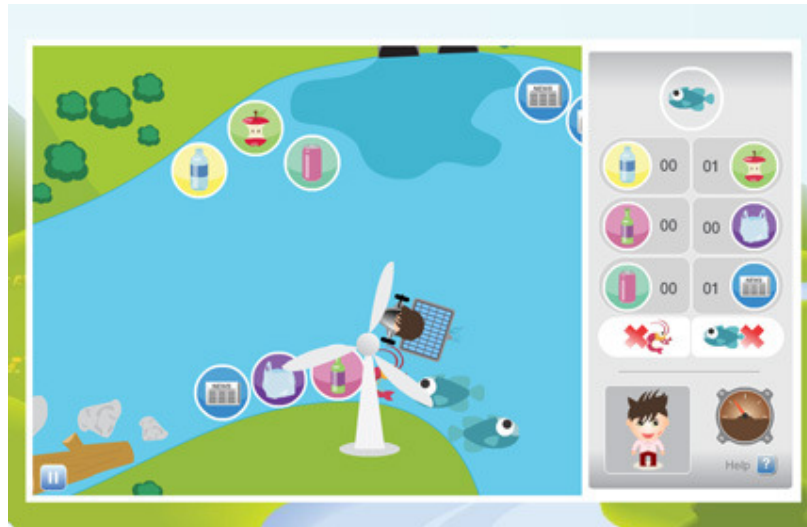
The questions are a mixture of multiple choice and true/false answers. The student must get each answer right before proceeding. At the end of the quiz, the student can see their score for section 1 of the game.

Section 2 zooms into the recycling plant adjacent to the river. The student sorts the rubbish that they collected into the appropriate bin for recycling. Information periodically pops up. At the end of this section, there is another quiz, after which the student can see their scores for both sections of the game, as well as their overall score.

Clean Up Australia Ltd

ABN 93 003 884 991 PO Box R725, Royal Exchange NSW 1225 Australia

tel: 1800 CUA DAY **email:** cleanup@cleanup.org.au **web:** www.cleanup.org.au



Suggested vocabulary to introduce before using the program

Early Stage 1

recycle; true; false

Stage 1

Aboriginal Dreaming; landfill; recycle; reuse; environment

Stage 2

citrus; cereal; hollows; refusing; reusing; recycling; stormwater drains; landfill

Stage 3

tributary; stormwater drains; deteriorates; water management

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Connected Outcome Groups

Learning Stage	Outcomes and Indicators
Early Stage 1 Places we know	ENES1 Gathers information about natural and built environments and communicates some of the ways in which they interact with, and can care for, these environments. SSES1 Identifies ways in which their own needs and the needs of others are met, individually and cooperatively.
Stage 1 Wet and dry environments	ENS1.5 Compares and contrasts natural and built features in their local area and the ways in which people interact with these features ENS1.6 Demonstrates an understanding of the relationship between environments and people.
Stage 2 State and national parks	ENS2.6 Describes people's interactions with environments and identifies responsible ways of interacting with environments. Ens2.5 Describes places in the local area and other parts of Australia and explains their significance.
Stage 3 Global Environments: Rainforests	ENS3.5 Demonstrates an understanding of the interconnectedness between Australia and global environments, and how individuals and groups can act in an ecologically responsible manner. ENS3.6 Explains how various beliefs and practices influence the ways in which people interact with, change and value their environment.

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**Draft national curriculum
English Content Descriptions**

Year Level	Language	Literacy
Kindergarten	3 Differing subject matter 4 Nature of texts 5 Concepts about print and screen 8 Phonic and word knowledge	1 Listening and responding 2 Purposes of texts 3 Sequencing 4 Reading Strategies 5 Comprehension strategies 6 Oral communication skills 9 Handwriting / word processing
Year 1	2 Speech functions 4 Basic sentence elements 7 Concepts about print and screen 11 Sight word knowledge	2 Reading strategies 3 Comprehension strategies
Year 2	5 Sentence grammar 8 Phonic and word knowledge 10 Vocabulary expansion 12 Concepts about print and screen 13 Punctuation	2 Reading strategies 3 Comprehension strategies
Year 3	4 Vocabulary expansion 5 Sentence grammar 12 Punctuation	4 Reading strategies 6 Comprehension strategies 12 Multimodal texts
Year 4	6 Vocabulary expansion 7 Grammar of simple sentences 8 Clause meaning 9 Tense 10 Conjunctions	4 Reading strategies 5 Vocabulary 7 Comprehension strategies 12 Multimodal texts
Year 5	6 Compound sentences 7 Noun phrase and structure 9 Relating verbs 10 Adjectives 14 Visual grammar	
Year 6	5 Vocabulary expansion 7 Grammatical patterns 10 Adverbials 11 Cohesive devices 13 Sentence openers 14 Visual grammar	

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**Draft national curriculum
Science Content Descriptions**

Year Level	Science Inquiry Skills	Science as a human endeavour	Science Understanding
Kindergarten	1 Questioning 2 Observing 3 Using equipment 4 Communicating	1 Nature of science	1 Living Things 2 The daily environment 3 Everyday materials 4 Movement
Year 1	1 Questioning and predicting 2 Investigation methods 3 Using equipment 4 Observing and measuring 5 Communicating 6 Using observations as evidence 7 Reflecting on methods	1 Nature of science 2 Everyday science 3 Science and Culture	1 Living things 2 Local Environment 3 Changing materials 4 Sounds
Year 2	1 Questioning and predicting 2 Investigation methods 3 Using equipment 4 Observing and measuring 5 Communicating 6 Using observations as evidence 7 Reflecting on methods	1 Nature of science 2 Everyday science Science and culture	1 Living and non-living 2 Growth and change 3 Earth's resources 4 Properties of materials 5 Pushes and pulls
Year 3	1 Questioning and predicting 5 Observing and measuring 6 Analysing results 8 Developing explanations 9 Reflecting on methods	1 Influence of science 2 Nature of science 3 Science in the community 4 Science and culture	1 Structure and function of living things 2 Life cycles 4 Liquids and solids
Year 4	1 Questioning and predicting 5 Observing and measuring 6 Analysing results 8 Developing explanations 9 Reflecting on methods	1 Influence of Science 2 Nature of Science 3 Science in the community 4 Science and culture	1 Grouping living things 2 Interactions of living things 4 Properties and uses of materials 5 Forces and motion
Year 5	6 Analysing results 7 Developing explanations	1 Nature of Science 2 Influence of	1 Micro-organisms 3 Form and properties of

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	8 Communicating	Science 3 Collaboration in Science 4 Contribution of scientists 5 Science and culture	materials
Year 6	6 Analysing results 7 Developing explanations 8 Communicating	1 Nature of Science 2 Influence of Science 3 Collaboration in science 4 Contribution of scientists 5 Science and culture	1 Relationship of living things 2 Using earth's resources 4 Changing and using materials 5 Sustainable energy transformations

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