

1 WATER CYCLE TEACHER'S NOTES

There are many ways to use the resource material provided in this package and the following day by day approach is just one suggestion. Please feel free to adapt and experiment with these ideas.

We are always keen to hear about how you are using this material and to receive your feedback about the resource.

EcoWater Solutions is developing a range of educational material relating to water and water use. A visiting speaker is also available to spend time with your class. Please contact us for further details.

Day One

- Discuss the natural water cycle and do some follow up activities from activity sheets 1, 10 or 11.
- Construct a model of the natural water cycle. This could be a diorama using a large cut down cardboard box, or a more ambitious project involving sand, clay or papier mache. Provide written descriptions / explanations, perhaps using a 'concertina' booklet.



Water Cycle activity sheets
1, 10 or 11

Various construction materials

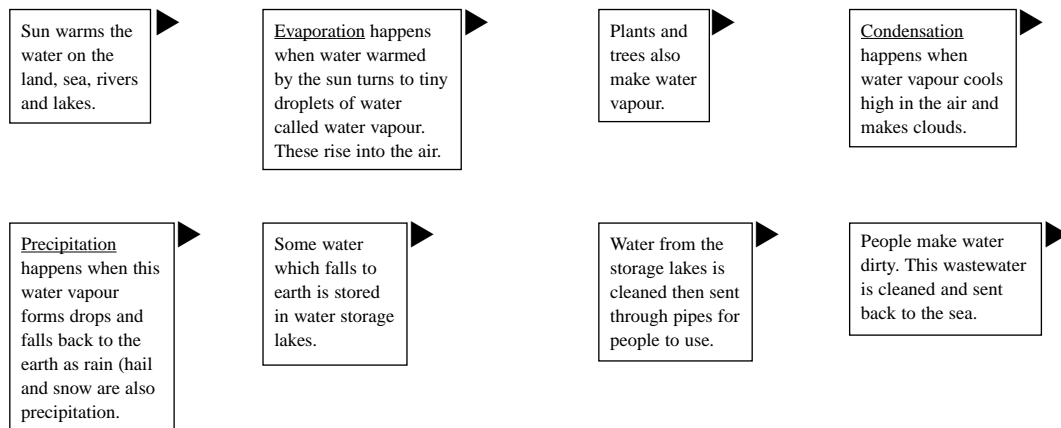
A4 paper



Day Two

- Do Water Cycle ~ activity twelve either individually or in small groups.
- Divide class into 8 groups, each group is responsible for developing a short movement sequence or dance around one of the cards. Combine these into a simple performance with several repeats to emphasise the continuous, cyclic nature of the water cycle. It can be fun to perform this to recorded music, or to use 'found sounds', body percussion etc.

Water Cycle ~ activity twelve



- Use cards and captions for reading, language, story telling, revision and quiz activities.

Day Three

Water Cycle ~ activity sheets 2 to 9

- Set up some of the science experiments suggested on activity sheets 2 to 9. (These may need to be monitored over the next few days.)
- Prepare reports as follow up to science experiments
- Students construct a set of key word & key concept cards about the natural water cycle with matching answer cards. These can be used for quiz games, self testing and revision.

Day Four & Five

The Henderson library has the following mythology books:

Encyclopaedia of World Mythology, 291.13 ENC, pp. 36-40. (Lots of material from different cultures from around the world on The Flood.)

Mythology, an Illustrated Encyclopaedia, ed. Richard Cavendish, 291.13 MYT, on Australian, American, Chinese, Christian, Greek, Hindu, Jewish, Melanesian, Mithraic myths of The Flood, see index p. 299 for page references.

The Henderson library has these non fiction books.

Water Water Everywhere...Rauzon and Bix, J551.48RAU

The Water Cycle...Joy Richardson, J551.48 RIC

Waterfalls...J551.484WOO

Why Does It Rain?...Niblo and DeSaulles, J551.577NIB

It's Raining...Laurie Bolwell, J551.577BOL

The Water Cycle...David Smith, J551.48SMI

Water Up Water Down...Sally M. Walker, J551.48WAL

Prepare for a presentation about the natural water cycle. The audience could be a parents evening, or other classes within the school.

- Display water cycle models.
- Reporting back / display about science experiments.
- Students research, then write myths, stories or legends relating to water.
- Research topic on water.
- Review books or demonstrate interactive CD ROMs : The Magic School Bus Wet All Over and/or The Magic School Bus at the Waterworks.
- Develop Day 2 activity into a performance with improvised music, movement and sound.
- Perform song Water Cycle Round (EcoWater's Educational Adviser has a copy, telephone 836 9805).
- Prepare afternoon tea / supper with little cards telling the water use involved in each item.
- Make a guests 'take home bag' containing various items around the theme of sustainable water use. Some of these could be made by students others such as pamphlets are available from Waitakere City Council (telephone 836 9805).

For further assistance, contact Sue Langton, EcoWater's Educational Advisor
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Sue has worked as researcher, information centre coordinator and a teacher in secondary schools. Her teaching skills are in Science, Biology and information skills. She is able to assist Waitakere City teachers in the following ways:

- participate in syndicate / departmental planning sessions
- provide professional development sessions for groups of teachers about NZCF linked learning opportunities within the themes of water and water use
- provide a 'helpdesk' service for student research enquiries about water and water use
- supply a range of resource materials with links to other relevant organisations such as Watercare Services and the Auckland Regional Council
- arrange for a visitor from EcoWater Solutions to work with your class as part of a about water / water use study