

1a. The Water Cycle through Pictures and Sounds

Time: 30-60 minutes

Age Group: K1 – Year 3

Students listen to varied sounds of water to identify each and relate to the water cycle – a water cycle diagram adapted to the local situation will be used. Pictures are also shown to enhance identification. Musical notes are placed on the magnetic board to show what sounds are identified in relation to the water cycle.



1b. The Water Cycle

Time: 45 - 60 minutes

Age group: Year 3 – Form 2

The water cycle is discussed in detail with the help of a diagram depicting the local situation including all water systems and processes. Arrows are used to indicate the various directions of the water moving through the water cycle.

2. The Water Cycle for Infants (using a Hula Hoop)

Time: 20-30 minutes

Age Group: K1 – Year 1

The various stages of the water cycle are explained through the rotation of a suspended hoola hoop.



3. Exploring a Rain Water Harvesting System

Time: ~30 minutes

Age group: Year 1 – Form 2

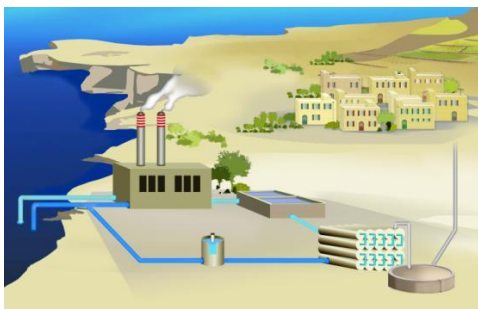
A large canvas floor mat depicts a household rainwater harvesting system. The system is discussed, parts identified and function explained through the use of 'flashcards'.

4. Exploring a Grey Water Treatment System

Time: ~30 minutes

Age group: Year 1 – Form 2

A large canvas floor mat depicts a household grey water treatment system, where water comes from showers and hands washing. The system is discussed, parts identified and function explained through the use of 'flashcards'.



5. Exploring a Desalination Plant

Time: ~30 minutes

Age group: Year 1 – Form 2

A large canvas floor mat depicts a desalination plant. The system is discussed, parts identified and function explained through the use of 'flashcards'.

6a. Different Cisterns

Time: ~ 10 minutes

Age group: Year 3 – Form 2

Identifying different cisterns from around the world, past and present. Building techniques, shape and materials used for cisterns/reservoirs are compared also varying with place and age.



6b. The Model of a Cistern

Time: 20-30 minutes

Age Group: Year 3 – Form 2

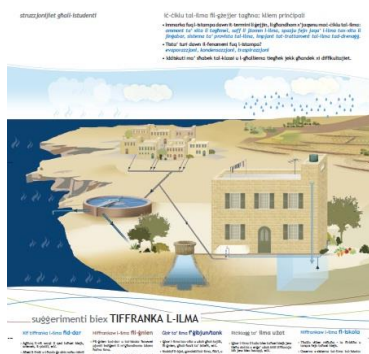
Blindfolded, students touch a 3D model of a built cistern. Can they guess what it is? On seeing it, the structure of the cistern, reasons for choice of material, where it is found, tools used, etc are discussed. What is different from those built nowadays?

6c. Is it waterproof?

Time: ~ 30 minutes

Age Group: Year 4 – Form 2

The students are presented with a variety of possible materials which can or cannot be used for building reservoirs. With the use of a pipette and water they reason out the extent of permeability, absorption, etc.



7. The Water Cycle around Me

Time: 30-40 minutes

Age Group: Year 3 – Form 2

Student will be given a poster with a diagram of water systems around us including information and tips about the sustainable use of water. The diagram, hints and tips are discussed. These posters are available both in Maltese and English (depending on age group).

Any combination of these activities can be made and adapted to the students' age. When booking session for your school kindly book a minimum of three sessions to avoid a lot of travelling.

For booking please contact Ms Marvic Refalo by email:

marvicekoskola@naturetrustmalta.org stating date, time, intervention preferred if any, classes involved/age of students and number of students.

