

## Activity Title: Water Transportation Charmaine Attard from Malta

Theme: Water

Month: January

Aim: Identifying materials that absorb water while making it travel from one cup to another.

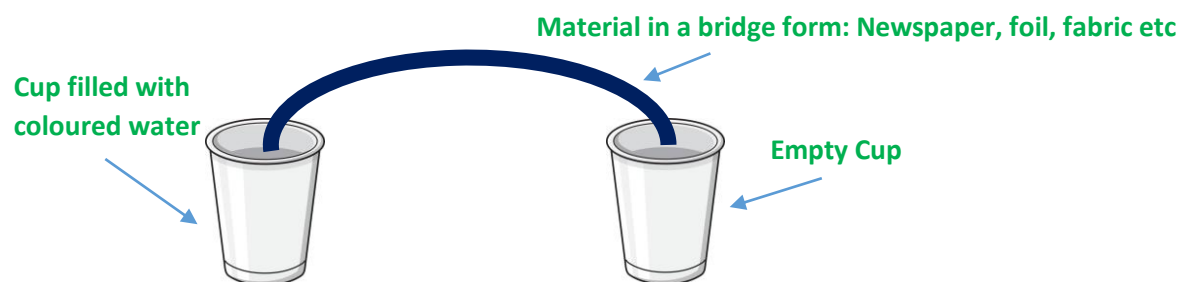
Resources/Materials needed: x8 cups (all same size), measuring jug, food colouring, newspaper, kitchen roll, fabric, plastic bag, foil, Chart, glue, marker.

### Activity:

**Step 1: Introduction:** introduce the activity by making reference to the objects in front of you. Ask children which items are in liquid form and which ones are solid forms. Let them predict by looks, touching and exploring. Ask children how you can make water travel from one place to another using the materials you have on display.

**Step 2:** Day 1: Give each groups 2 cups, a measuring jug, water, food colouring, newspaper, kitchen roll, foil, fabric, plastic bag. Through trial and error let students (preferably in groups) to try out their predications. Ask children about their predications and discuss

**Step 3:** Next at this point you introduce children to your experiment and explain how wet materials can help in transporting water. Allow students to get back in their groups and set up their experiments with all cups and materials. Experiment should look like the picture below



**Step 4:** When finished with setting up, give children a piece of newspaper, foil, plastic bag, fabric, kitchen roll and ask students to stick on the prediction chart which materials they think would be good for transportation. Let them write their names (group name) under the materials they stick.

**Step 5:** Day 2: Leave experiment over-night and the following day look again at the set ups without touching anything and discuss what they see. Record the work on the chart again in the section of 1 day and see if any predications have changed. Day 3: Repeat this step for another day.

**Step 6:** Day 4: Conclude the chart by evaluating the predictions from Day 1 up till Day 4 and discuss the results found during testing.

Sample of Chart:

Title of experiment			
Which solid materials can travel liquid from one cup to another?			
<p>Predictions Day 1</p> <ul style="list-style-type: none"><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li></ul>	<p>Predictions Day 2</p> <ul style="list-style-type: none"><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li></ul>	<p>Predictions Day 3</p> <ul style="list-style-type: none"><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li><li>● Name of group</li></ul>	<p>Conclusion Day 4</p> <p>Results</p> <p>Successful water transportation</p> <ul style="list-style-type: none"><li>● ●</li></ul> <p>Unsuccessful water transportation</p> <ul style="list-style-type: none"><li>● ●</li></ul>

Materials the children stuck on the chart as their first predictions