

# GENERATION Year 2: Science

## **Activity 3: Water cycle role play**

Materials	
x1 Sun image (A3 colour)	x1 Hail image (A4 colour)
X6 Water droplet image (A4 colour)	x1 Sleet image (A4 colour)
x3 Evaporation image (A4 colour)	Blue crepe paper (or similar) in ribbons
x3 Cloud image (A4 colour)	
x1 Snow image (A4 colour)	

#### **Student volunteers:**

The Sun (One student)

Water droplets (Three students)

Water vapour (Three students)

Snow flake (One student)

Hail (One student)

Sleet (One student)

Trees (Three students)

Clouds (Three students)

Lake (remaining students)

### Set up the play with the characters as follows:

- 1. Have the *sun* sit cross legged on the floor, holding an image of the sun.
- 2. Arrange the lake to sit in a large circle, holding ribbons of blue crepe paper to form a circle.
- 3. Ask the water vapour/s to sit in the middle of the lake, holding both water droplet and evaporation images. At the start the water droplets should be visible.
- 4. Organise the trees to form a group standing to the side of the lake.
- 5. Have the clouds stand up, positioned around the outside of the lake.
- 6. Assign a water droplet to each cloud.
- 7. At each cloud and water droplet duo, add a snow flake to one, hail to another and sleet to another (i.e. three groups of three)



#### Set the scene

The air is still cool and the birds are starting to sing their morning song.

The sun rises up into the sky.

(ACTION: the sun now stretches up, standing tall)

The sun provides light and heat.

(ACTION: hold up the image of the sun high)

This heat warms up the water in the lake.

(ACTION: the lake characters rub their palms together to feel warmth)

The water droplets get so warm that some turn into a gas/vapour and rise up into the air.

(ACTION: water vapour characters turn their pictures over, stand up and wave their arms gently to simulate floating)

The vapour continues to rise up in the air.

(ACTION: water vapour characters move outside of the lake into the air)

High up in the air where it is very cold.

(ACTION: clouds and other characters simulate being cold, crossing arms, hunching shoulders and self-hugging)

The water vapour turns back into a water droplet.

(ACTION: water vapour swap their pictures over to become water droplets)

The water droplets join together to form large clouds.

(ACTION: add 1 water vapour/droplet character to each of the 3 cloud groups)

When the clouds get full of water droplets they become too heavy for the air to hold them up.

(ACTION: characters slump over)

Some of the water droplets fall back to earth, some fall as rain and land in the rivers, lakes and oceans.

(ACTION: a couple of the water droplets pretend to fall to Earth and move back to sit in the lake)

Some water droplets fall as snow, gently landing on the mountains.

(ACTION: snow character gently lies down)

Some water droplets fall near the trees and provide them with water.

(ACTION: a couple of water droplets sit near the feet of the trees)

Some water droplets fall heavily as hail and sleet, landing on the ground in paddocks, puddles and streets.

(ACTION: hail and sleet characters sit down heavily, dramatically, crashing)

As the sun goes down for the night the air cools, there is less light and heat to evaporate the water .

(ACTION: sun character returns to original position

When the sun rises in the morning, the light and heat start to warm the water again.

The water cycle repeats.... again... and again.

