



## Primary Science Activity



### WORKSHOP B> THE TRAVELLING WATER DROPLET

**OVERVIEW:** Professor JellyBean takes the children on a fun investigation to discover earth's water cycle. They'll discover the journey of water from snow, through land, plants and animals, through humans, to the oceans and to our atmosphere. They'll create a chemical change to build the never-melting **SNOWBALL** and discover the amazing way water moves through plants with the **THIRSTY LEAF** activity. Professor JellyBean uses these two science activities to weave a story of how we are connected to Earth's water cycle.

**RATIONALE:** With the **SNOWBALL** activity, the children mix up materials to discover a chemical change. This tactile science activity introduces the story of the travelling water droplet as it changes its state from solid, to liquid to gas, through the water cycle process. With the colourful **THIRSTY LEAF** activity, children see how water moves through plants and that gain an understanding that clean water is essential to all life.

**ACTIONS:** The workshop includes dressing up, imagining, observing, sharing observations, using materials and equipment safely, using the senses, measuring, mixing materials, making predictions, creating a chemical change, describing changes, asking questions, understanding relationships and systems.

**CALL TO ACTION:** This workshop empowers children to be water wise and to value water as a precious natural resource. With their take-home *Professor JellyBean Guidebook to Becoming an Earth Champion*, they will expand their learning and understanding of Earth's water cycle and discover water saving tips.

#### Workshop B complements the following learning outcomes

**Prep** Living things have basic needs, including food and water (ACSSU002), Objects are made of materials that have observable properties (ACSSU003), Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE013), Participate in guided investigations and make observations using the senses (ACIS011), Share observations and ideas (ACIS012)

**Year 1** Everyday materials can be physically changed in a variety of ways (ACSSU018), Observable changes occur in the sky and landscape (ACSSU019), Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE021), People use science in their daily lives, including when caring for their environment and living things (ACSHE022), Participate in guided investigations to explore and answer questions (ACIS025)

**Year 2** Different materials can be combined for a particular purpose (ACSSU031), Earth's resources are used in a variety of ways (ACSSU0302), People use science in their daily lives, including when caring for their environment and living things (ACSHE035), Participate in guided investigations to explore and answer questions (ACIS038)

**Year 3** A change of state between solid and liquid can be caused by adding or removing heat (ACSSU046), Science involves making predictions and describing patterns and relationships (ACSHE050), Science knowledge helps people to understand the effect of their actions (ACSHE051)

**Year 4** Natural and processed materials have a range of physical properties that can influence their use (ACSSU074), Earth's surface changes over time as a result of natural processes and human activity (ACSSU075), Science involves making predictions and describing patterns and relationships (ACSHE061), Science knowledge helps people to understand the effect of their actions (ACSHE062)

