



## Primary Science Activity

### WORKSHOP C> SUPERSTAR



**OVERVIEW:** Professor JellyBean takes the children on a fun investigation to discover the properties of sunlight and how we use this renewable resource in our daily lives. Through an *electrifying* demonstration, the children will discover how we are all connected with the flow of energy. In this workshop, children create the **GLOW IN THE DARK SLIME**, discover solar energy in action with the crazy **SOLAR GRASSHOPPERS** and observe the beautiful properties of light through the **RAINBOW PEEPHOLES**.

**RATIONALE:** With the GLOW IN THE DARK SLIME, children mix materials together to discover a slimy chemical change, and then left to "soak up" light energy, they'll observe the amazing glowing properties of their slime. Clean light energy is demonstrated in a super fun way with SOLAR GRASSHOPPERS when their mini solar panels convert sunlight energy into electricity. Looking through the RAINBOW PEEPHOLES, light bends and separates to reveal the colourful properties of sunlight.

**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 energy wise in their daily lives. With their take-home *Professor JellyBean Guidebook to Becoming an Earth Champion*, they will have real energy saving tips that they can put into action.

#### Workshop C complements the following learning outcomes

**Prep** 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), Light and sound are produced by a range of sources and can be sensed (ACSSU020), 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), Science involves observing, asking questions about, and describing changes in, objects and events (ACSHE034), 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** Heat can be produced in many ways and can move from one object to another (ACSSU049), Science involves making predictions and describing patterns and relationships (ACSHE050), Science knowledge helps people to understand the effect of their actions (ACSHE051)

**Year 4** 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)



Rainbow Peephole



Glow in the Dark Slime



Energy Flow