



Primary Science Activity



WORKSHOP A > COLOUR YOUR WORLD

OVERVIEW: Professor JellyBean takes the children on a fun investigation to discover the flow of light energy, where they'll discover how sunlight energy brings life to all living things. They'll create the colourful **FREAKY GOO WORMS** and **RAINBOW SEED BOMBS**. Professor JellyBean uses these two science activities to weave a story of change and of how we are all connected to the greater community of life through the flow of light energy.

RATIONALE: With the FREAKY GOO WORMS, the children mix up a colourful processed seaweed solution to discover a chemical change: They learn how matter can change its observable properties. By understanding the concept of change, the children will then discover how changes also occur naturally within living things. Natural materials are mixed to build the beneficial bug RAINBOW SEED BOMBS, which the children will be able to plant later to reveal the colourful blooms of insect attracting flowers.

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 take action to protect our declining insect population by planting the beneficial bug RAINBOW SEED BOMB. With their take-home *Professor JellyBean Guidebook to Becoming an Earth Champion*, they will expand their learning and understanding that by planting flowering plants and natives for insects, they will be supporting a food chain in their garden.

Workshop A 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 (ACSI011), Share observations and ideas (ACSI012)

Year 1 Living things have a variety of external features (ACSSU017), Living things live in different places where their needs are met (ACSSU211), 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 (ACSI025), Use a range of methods to sort information, including drawings and provided tables and through discussion, compare observations with predictions (ACSI027)

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 (ACSI038), Use a range of methods to sort information, including drawings and provided tables and through discussion, compare observations with predictions (ACSI040)

Year 3 Living things can be grouped on the basis of observable features and can be distinguished from non-living things (ACSSU044), Science involves making predictions and describing patterns and relationships (ACSHE050), Science knowledge helps people to understand the effect of their actions (ACSHE051), Use a range of methods including tables and simple column graphs to represent data and to identify patterns and trends (ACSI057), Compare results with predictions, suggesting possible reasons for findings (ACSI215)



Freaky Goo Worms



Rainbow Seed Bombs