



# Playgroup SA

## *Playgroup Weekly Session Planner*

*Learning through Play Month -  
Science*

[www.playgroupsa.com.au](http://www.playgroupsa.com.au)

# CRAFT ACTIVITY

Every day a child explores, investigates, and discovers the world around them through play. Encouraging a child's curiosity helps them to develop many skills, Science is a fun way to learn and discover through play.

**Craft activity:** Oil and Water

**Children will need:** Cooking Oil, food colouring, water, small plastic bottle with screw top lid, sticky tape.

**Instructions:** Half fill the bottle with water. Add a couple of drops of food colouring and then fill the remainder of the bottle with oil. Be sure to leave some space at the top of the bottle. Place the lid onto the bottle and use tape to secure it. Shake the bottle. Can you see what happens with the oil and water?

**Extension ideas:**

Add glitter to your bottles. You can make other sensory bottles using different materials...eg pom poms, dishwashing liquid, rice, etc. See if you can source a lava lamp. Turn it on and let the children watch what happens.

**Fact:** Oil has a wide variety of uses and is often used in cosmetics, medicine, paint, and fuel.



**Learning Outcome 4:** Children are confident and involved learners.



# OUTDOOR ACTIVITY

## Handmade Bubbles

Put 1 cup of warm water into a large bowl and add two tablespoons of dishwashing liquid. Gently stir in the dishwashing liquid. Use bubble blowing tools or gently curl your hand and place into the bowl, bring your hand up to your mouth and blow into your hand. Watch the bubbles form as you blow air into the mixture, this is what forms the bubbles.

# SENSORY ACTIVITY

## Milk Experiment

**You will need:** Full fat milk, food colouring, dishwashing liquid, cotton buds, shallow dish, and a small bowl for the dishwashing liquid.

**Instructions:** Pour enough milk to cover the bottom of the dish. Drop different colours of the food colouring into the milk. Place some dishwashing liquid into the smaller dish and using the cotton bud dip it into the washing up liquid ensuring the tip is coated. Gently touch the surface of the milk with the tip and watch the chemical reaction happen before your eyes. Every time you touch the surface of the milk with the washing up liquid you will see a different result.

# GROUP TIME IDEAS

Science Experiment - Make a Volcano Erupt. Use a small empty plastic soft drink bottle, washed and dried. Pour bicarb soda into the bottle 1/3 of the way up. Add a few drops of food colouring into the bottle, take turns helping the children to pour in the vinegar (you could pour it into a smaller bottle if that helps little fingers. As the vinegar hits the bicarb the volcano will erupt, and you will see the amazement on the children's faces.



# BOOK SUGGESTIONS

Aliens in Underpants Save the World by Claire Freeman & Ben Cort  
Huberta's Big Surprise by Klay & Mark Lamprell & Marjorie Crosby-Fairall.

