

## WHAT'S IN A BAR OF SOAP?

### SUMMARY

Class discussion focuses on the Strictly Classified Recipe and why companies must make products in precisely the same way every time. Children experience irreversible changes through the manufacturing process as they mix solid and liquid ingredients, resulting in a bar of soap. They could communicate each step of their soap making by producing a cartoon strip to include scientific vocabulary and equipment used.

### OBJECTIVES

- To create a mixture, by following a recipe, using solid and liquid ingredients
- To communicate what they have done in ways that are appropriate for different audiences

### To be able to:

- Understand that mixtures other than foods are prepared using recipes

### SCIENCE VOCABULARY

Recipe	Mixture	Measure
Crush	Mix	Compress
Solids	Liquids	



### RESOURCES (IN BRIEF)

- Soap noodles (available online) or soap flakes
- Essential oil
- Food colouring
- Glycerine (available from local pharmacist)
- Pipettes
- Transparent Ziploc bag
- Rolling pin
- Mixing bowl
- Mixing spoon
- Soap mould
- Disposable gloves
- Safety glasses

### PRIOR KNOWLEDGE/EXPERIENCE

Children should have opportunities to follow step-by-step instructions in the correct chronological order. They should understand the difference between adding a full pipette of liquid and adding one single drop of liquid, and how misinterpretation would affect the final product.