

WHAT'S IN BUBBLE MIXTURE?

SUMMARY

Class discussion focuses on the bubble company's Competition Poster and the need for industrial scientists to continuously research and improve recipes for a wide range of products, including bubble formulations. Children are challenged to create their own 'best bubble' mixture by trialling, adapting and evaluating different ratios of liquid ingredients. The activity lends itself to open-ended investigation, with children planning, carrying out and recording in their chosen way.

OBJECTIVES

- To suggest improvements to the effectiveness of a mixture
- To take measurements with increasing accuracy and precision, taking repeat readings when appropriate

To be able to:

- Know that a mixture can be made using different liquid ingredients



SCIENCE VOCABULARY

Liquids	Mix	Measure
Investigate	Compare	Ratio
Repeat	Adapt	Improve
Evaluate		

RESOURCES (IN BRIEF)

- Washing-up liquid
- Water
- Glycerine (available from local chemist)
- Wire / pipe cleaners or bought bubble wands
- Small yogurt or paint pots
- Pipettes
- Timers

PRIOR KNOWLEDGE/EXPERIENCE

Children should have opportunities to describe and explore a range of mixtures including solids and liquids. An understanding of ratio and average is helpful but not essential.