



Science
Age 2-5

Bubble play

- Reading and writing
- Phonics



Learning
through
Landscapes

Overview

- Not only is creating different bubbles great for developing motor skills, it can also promote discussion around shape, size and suitability of various materials. This fun activity will help children make predictions and start to think scientifically.

Equipment

- Water and washing up liquid (or premixed bubble solution)
- A range of different items to create bubbles, e.g.:
 - A straw
 - A cookie cutter
 - A milk carton (with both ends chopped off)
 - A paperclip
 - A wire coat hanger (can be bent into different shapes)
 - String tied into a loop

Activity

1. Measure six cups of water into one container.
2. Pour one cup of washing up liquid into the water.
3. Slowly stir solution until the soap is mixed in.
4. Show children the range of items and ask them to predict which will make the best bubbles.
5. Demonstrate making bubbles with a range of materials.
6. Allow children to play with the items and solution to make their own.

Check for understanding

1. Talk about the different materials that the items are made from.
2. Discuss which items made the smallest, largest, and most effective bubbles.
3. Ask children why they think the items produced those results.

Learning outcomes

Play types	Exploratory - using a range of different materials and everyday items
	Communication play - talking about their ideas and predictions
Motor skills	Fine motor skills by placing 'wands' into the solution
	Gross motor skills to handle larger items and move the wands
Literacy and mathematics	Use of mathematical language to describe size and shape of bubbles
	Describing bubbles as bigger, smaller etc. - ask children to rank the 'wands' into size order
Self-directed learning	Allow children to create their own bubble 'wand' using everyday materials or objects

If you would like to develop your outdoor learning knowledge and skills, take a look at our range of training courses: [l.tl.org.uk/outdoor-learning-training](https://www.learningthroughlandscapes.org.uk/outdoor-learning-training)