

COLOURFUL BUBBLES



Topic: Making colourful bubbles, mixing colours



Key terms: colours, mixing colours, shapes and sizes of objects

What we need: oil, water, food colouring (potentially tempera), straws, transparent plastic soft drinks bottles, transparent plastic egg containers, scissors

Estimated time: minimum 30 minutes

Methods: experiential learning

Activity description:

Possible objectives: To enable children to experiment with colours and their own perception of colour

To work cooperatively in small groups and support pro-social behaviour

Allow opportunities to speak and listen to other children and learn from each other

Activity:

Aim of the activity:

To create and name colours and shapes of bubbles in cooperation with the rest of class.

Background context:

Red, yellow and blue are the primary colours that can be combined in varying amounts to produce a range of colours. Colour perception is a subjective process whereby the brain responds to the stimuli that are produced when incoming light reacts with the several types of cone cells in the eye. So individuals see the same illuminated object or light source in different ways.

Introduction to the activity:

The children are told they will have a special colourful surprise which is going to be created as a group activity.

During the activity:

The activity is led by children as much as possible. No preparation by the teacher is necessary; the only task is to make the process inclusive and experiential.

The children cut transparent plastic soft drinks bottles to create smaller containers (more suitable for creating bubbles), into which oil is poured. Next step is to pour water into a plastic egg container and dissolve a small amount of food colouring in each of the sections. Using a straw, the colours are then dropped onto the oil. Watch the diverse range of colourful bubbles forming and do not hesitate to let children experiment with sizes, mixing, finding out what happens etc. Supervision by the teacher is all that is needed but should be on hand to help or advise if required.

Possible evaluation questions for children:

You have created lots of beautiful colourful bubbles that can move all kinds of ways. Can you name all the colours? What are their shapes/sizes? What can you do with them?

Curriculum links:

- Man and society
- Pro-social behaviour
- Art

Sources: © This activity sheet was created by The Take Me Out Partnership

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