



Activities at Home

Project: 'Terrific Transformations'

Dear Parents,

The activity for weeks: 4 & 5 beginning: 28th January & 4th February

Is: Transforming experiments with soap, ice and oil

The activity we will be covering involves:

- **Develop listening and attention skills**
 - **Developing self-confidence and self-awareness**
 - **Developing observational skills & observing changes when different substances are mixed/added together**
 - **Developing an awareness of how things can change form/shape/consistency**
 - **Developing fine motor skills through handling different tools and resources**
 - **Learning new vocabulary & asking open-ended questions to challenge the children's thinking & understanding**
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Our activity includes:

Experiment 1: Soap transformation

- **Invite the children to watch a video to show how a bar of soap can change form in the microwave. Invite the children to make observations and comments on what they see happening to the soap as it heats up in the microwave**
- **Show the children a bar of soap and then the result after it has been in the microwave. Invite them to manipulate it and describe its texture**

Experiment 2: Melting Ice transformation

- **Show the children some ice cubes. Talk about how we make ice and how we might melt it**
- **Using pipettes, food colouring and salt mixed with water demonstrate how the ice melts when you add the salty coloured water. Invite the children to talk about why they think the ice melts.**

Experiment 3: Fizzy Ice

- The children will add food colouring, vinegar, food colouring and baking soda to crushed ice using pipettes and then to observe the effect this has

Experiment 4: Oil and Ice

- Using pipettes the children will be invited to add coloured water to ice and water in a tray. What happens as the oil mixes with the ice, water and oil?



You might wish to help your child to explore this topic at home or when you are out and about. Please feel free to approach the teachers for further explanations.

Our suggested activities are:

- Try the soap experiment at home and then your child can play with the result in the bath - Pinterest: <https://www.youtube.com/watch?v=mOCAscAqhsW>
- Making ice in different containers at home