



## LESSON PLAN

### Season 2/Episode 5

#### *Fun Foam Cloud* (Investigating 'Foam')

Let's Find Out features Captain Zoom and her crew of scientists with exciting experiments, curious kids and a trip to a faraway place. Produced with support from Science Foundation Ireland.

**Class Level:** First/Second Class  
**Strand:** Materials  
**Strand Unit:** Materials and Change  
**Content Objective:**  
• Begin to investigate how material may be changed by mixing

**Class Level:** Third/Fourth Class  
**Strand:** Materials  
**Strand Unit:** Materials and Change  
**Content Objective:**  
• Begin to investigate how material may be changed by mixing

**Assessment Method(s):**

- Teacher observation
- Teacher designed tasks and tests
- Work samples
- Self-assessment
- Conferencing
- Portfolio assessment
- Concept mapping
- Questioning

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## Lesson: Fun Foam Cloud

### Lesson Introduction

- The teacher will begin the lesson using WALT and WILF.
- Question the children on their prior knowledge of rain.
- Click [HERE](https://www.youtube.com/watch?v=gZeAKpe0OV0&list=PLer4jkNChuybHYhU-YSs5LW-TuLKz_SQk&index=7) for a whole class demonstration to see how to use shaving foam to make your own colourful rain.  
([https://www.youtube.com/watch?v=gZeAKpe0OV0&list=PLer4jkNChuybHYhU-YSs5LW-TuLKz\\_SQk&index=7](https://www.youtube.com/watch?v=gZeAKpe0OV0&list=PLer4jkNChuybHYhU-YSs5LW-TuLKz_SQk&index=7))

### Lesson Development

- Fill the glass jar about two-thirds full of water.
- Shake the can of shaving foam well and then spray foam on the top of the water so it fills the glass. It will look a bit like a cloud sitting on top of the layer of water.
- Using the dropper, add some drops of blue food colouring into the layer of foam. Add the drops near the top of the foam layer.
- Watch what happens to the drops of food colouring.

### Lesson Conclusion

- Talk and Discussion
- Discuss children's observations

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## Lesson: Fun Foam Cloud

Resources	Methodologies	Linkage/Integration
<p>A glass jar Some water A can of shaving foam Blue food colouring A dropper (these can usually be purchased from a local pharmacy); the dropper is only used to add the food colouring; if your food colouring bottle contains a dropper then use that.</p>	<p>Talk and Discussion Active Learning Skills through Content Use of the Local Environment Problem Solving</p>	<p>Add in at teacher's discretion</p>

### Inclusion and Diversity/Differentiation (Differentiate at teacher's discretion)

Content:

Activities:

Resources:

Product:

Environment:

Teaching Strategies:

### Scientific Explanation:

The food colouring moves slowly through the foam, but it doesn't mix with it... the foam is so thick that the food colouring stays as drops and slowly passes through it. The foam acts like a solid.

But once the drops of food colouring pass into the water they can move more quickly so they streak through it and look like rain. The water is a liquid, and the food colouring will eventually mix with it turning all the water blue.

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