

# LIVE LABS

Feb half term: itinerary and equipment

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## Lively Lemons

Tuesday 16th of Feb - 11am

Please make sure you have prepared equipment for all activities

### Overall Equipment

A plate, 4 lemons, baking powder or bicarbonate of soda, food colouring, sugar, drinking glass, and a tray

### activity 1

#### Erupting Lemons

**Equipment:** A plate, a lemon, Baking powder or bicarbonate of soda, food colouring

**Method:**

1. Before you cut your lemon gently squeeze and press your lemon to release some juice inside.
2. Ask an adult to carefully cut your lemon in half.
3. Place both halves (juice side facing upwards) on the plate so they sit flat.
4. Add a few drops of food colouring to each lemon half (a different colour for each half if you have it) and mix with a spoon or fork.
5. Add a teaspoon of baking powder/ bicarb to each half and gently mix it in with the lemon juice and watch the lemon react.

### activity 2

#### Fizzy Tray

**Equipment:** Tray, bicarbonate of soda, lemon juice, food colouring

**Method:**

1. Evenly cover a tray with Bicarbonate of soda
2. Pour some lemon juice into 2 pots and use food colouring to make them different colours
3. Using a Calpol or a similar medicine syringe, draw up some of the lemon juice and drop some over the tray.
4. Watch the fizzy eruptions and make some fizzy patterns

keep scrolling for our second FREE session on Thursday  
the 18th of Feb



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# Shaving-Foam Science

Thursday 18th of Feb - 2pm

Please make sure you have prepared equipment for all activities

## Overall Equipment

A tray, a can of shaving FOAM, 2 different food colourings, fork, white paper, and an empty jar.

### activity 1

#### Storm in a jar

**Equipment:** Empty Food can with wrapper removed, Plenty of ice, Salt, water, spoon

**Method:**

1. Fill an empty jam jar 2/3 with water
2. Top up with shaving foam
3. Drop some food colouring over the surface of the shaving foam and patiently watch
4. Over time the water soluble food colouring will work its way to the water level where it will burst through creating swirls and a rainstorm.

### activity 2

#### Ink Absorption

**Equipment:** A tray, Can of shaving FOAM, Food colouring x 2, fork, drawing paper

**Method:**

1. Cover a tray in a layer of shaving foam
2. Drop some food colouring over the shaving foam randomly, making sure both colours are used (about 6 drops of each colour)
3. Using a fork carefully mix and drag the colours around to create a pattern. Do not over mix as you don't want the colours to blend too much.
4. Place a piece of paper down onto the tray so it has direct contact with the shaving foam and food colour.
5. Rub your hand over the paper a few times to encourage the absorption onto the paper and then gently peel it away.
6. Place foam side up on a table and using kitchen roll or similar, wipe the shaving foam away. (You may need your adult helper here as it can get messy)



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