



# Digital Learning Program

## Over 3s Science, Technology Engineering & Maths Resource Pack Week 1



# Over 3s STEM Resource Pack

## Week 1

**Key Focus Area:** Science, Technology, Engineering and Math's

**Age group:** Over 3s

**Rationale:** For children to develop dispositions for learning such as curiosity, confidence and creativity and develop a range of skills and processes such as problem solving and experimentation.

**Outcomes:** Children are confident and involved learners.

### 5 minutes: Mindfulness

Ask child to sit quietly with their eyes closed if comfortable and do our mindfulness pause

1. Sit on the floor with your back nice and straight
2. Take a deep breath in and then a deep breath out
3. Reminding children to breathe in through your nose and out through your mouth
4. Repeat deep breath 4 times

### 5 minutes: Weather Song

What's the weather song: [Click Here](#). This song goes through all of the different types of weather that we can experience.

After the song you can ask your child these questions:

- What is the weather like outside today?
- Can you see clouds?
- Can you feel wind?

### 15-20 minutes: Rain cloud science experiment:

1. Simply begin by asking your child to pour water into the glass, leaving about an inch from the rim.
2. Carefully add a layer of shaving cream to the water. Be sure not to make it too thick or you'll find you're having to wait a long time for the magic to begin and that's a bit boring.
3. The shaving cream represents a cloud and the water is the atmosphere. Simply add a few drops of blue food colouring to the shaving cream. The weight of the food colouring will start to push through the shaving cream and fall down through the water that's in the glass! This will look just like streaks of rain falling.

#### You will need –

Glass or jar  
water dropper  
shaving cream  
food colouring

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### EXAMPLE:



### Questions

- Can you see the rain falling from the clouds?
  - Have you ever felt rain before?
  - Is rain cold or hot?

### READY FOR THE NEXT PACK?

Answer a few questions about your child's learning and our educators will create a unique, personalised Health and Wellbeing Resource Pack for your child.

<https://forms.gle/RrjPk3SZT4mntXTk7>