GROUP 6

YOUR TASK:

1. Read your group's science mystery.
2. Brainstorm as many explanations as you can in 10 minutes.
3. Use your role card to shape the discussion.
4. Decide on your 'best explanation' to share with the class.
5. Be ready to say why your group chose that explanation.

AT THE END Reflection / Debrief Prompt:

- What kind of thinking did we use today?
- How does this activity mirror what learners in Progression Step 3 should be doing in science? Use the curriculum online
- Which role helped your group the most?
- How might you adapt this type of activity for a primary classroom?

YOUR SCENARIO OF MYSTERY SCIENCE:

The Rusty Bike

A bike is left outside for weeks. The metal starts to turn orange and flaky. What's happening?

YOUR ROLES TO ASSIGN:

The Skeptic

Always ask: 'But how do we know that?'

The Optimist

Always ask: 'How could this explanation help people or the planet?'

The Scientist

Try to link explanations to something observable, measurable, or testable.

The Dreamer

Come up with the most imaginative but still possible explanation.

The Challenger

Question other people's answers: 'Is there another way to look at it?'

The Connector

Link explanations to everyday life or something else you've learned.