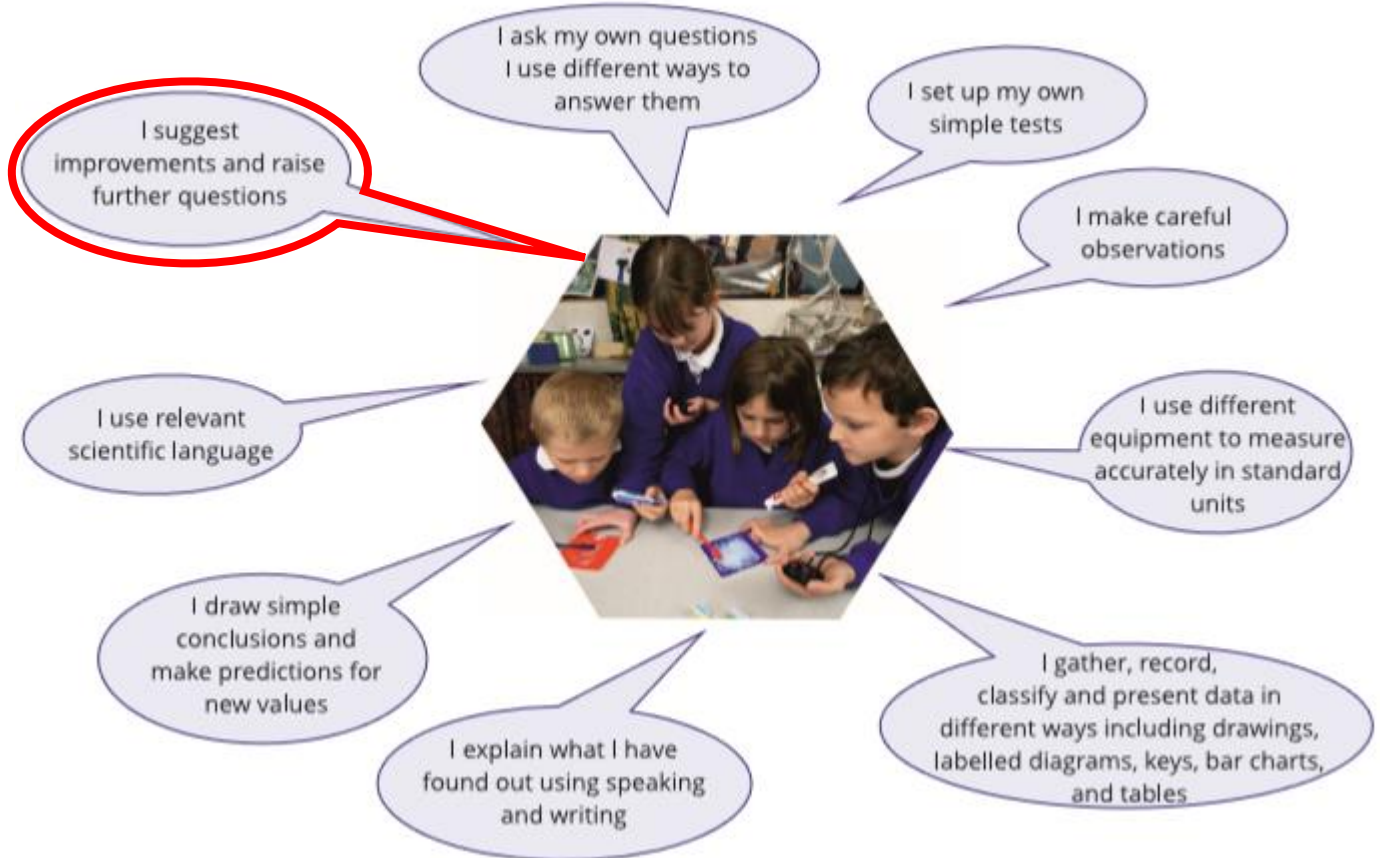


**Summer 2 Lesson 7**

**LO: To work scientifically – To suggest improvements to my investigations**

This picture below shows some of the important things we need to do to be a scientist. This half term we are going to practise **working scientifically**. How many of these skills do you already use?



Scientists are always trying to **make sure their tests are the fairest** and most precise they can be, in order to **get the most reliable results**.

Specialist scientists that make things (like engineers and chefs) always **re-test and make improvements** which could give them better results, for example a plane that travels fastest, or a biscuit that has the perfect crunch!

## **Task:**

Watch this clip about a specialist scientist making improvements to his mixture to make the perfect gunge!



<https://www.bbc.co.uk/programmes/p0118nnv>

Just like the man on the video, try making your own gunge/fake snot, making improvements until you get the perfect consistency! A **fair test** is conducted by **changing only the amount of water each time** and **keeping everything else the same**.

**Warning:** Do this activity outside with your adult's permission!

**Do not pour your mixture on any unsuspecting family members!**

**Have fun! We look forward to seeing how you get on!!**

## You will need:

- **Jug of warm water**
- **Corn flour**
- **Food colouring/powder paint (optional)**
- **Wooden spoon**
- **4 bowls**

1. Pour warm water into a jug. Add some powder paint. Mix the water and paint well with a spoon, until fully mixed.
2. Measure the same amount of corn flour into four separate bowls.
3. Pour some coloured water slowly into the first bowl of corn flour. Mix the ingredients together.
4. **Is the gunge how you want it?** If not, **make improvements** to your next bowl – add more or less water.
5. Repeat the process until you have the perfect gunge you are looking for!



**I have deliberately not given you any measurements for water or corn flour, so you can improve your gunge and make changes for yourself!**