

## Do everything in love



### 1 Corinthians 16:14

### Pupil Monitoring for Science Years 5 & 6

Do you know the term 'scientific enquiry' and what do you think it means?

At first children seemed unsure of the correct answer here. When prompted they jointly agreed it was the way scientists figure things out. It is their way of problem solving.

Action – use this terminology more explicitly

What do you understand by the term 'fair testing' and have you conducted any fair tests?

Children could articulate this with clear understanding. They spoke about science they learnt in Year 4 about tooth decay. They could speak about how they made the experiment fair when testing the effect of different liquids upon teeth. One child however struggled to recall this.

Do you know what a variable may be in an experiment and why they are needed?  
Year 5 knew the term and could describe what it meant accurately.

Have you used any equipment in science to help you take any measurements? Have you had to repeat any experiments and why do you think this is so?

Jugs for liquid.

Beakers to measure water.

Metre sticks.

Thermometers for temperature in Year 4.

They had repeated measurements for accuracy.

What different methods have you used to record findings taken during experiments or observations?

Questions / answers.

Pie charts.

Table and bar charts.

Have you been able to draw conclusions in your experiments?

Yes children could talk about conclusions made in various experiments.

Does your learning in maths help you in science? Can you tell me about that ?

A lot. Working out how much. Fractions. Using multiplication tables in gestation periods.

If you are struggling in science, where do you get help?

Mostly the teacher but sometimes our friends.

How do you know if you have done well in science?

I've tried my hardest.

My teacher would tell me.

What new words have you learnt in science ?

Gestation. Habitat. Herbivores. Life expectancy. Carnivores . Omnivores. Decompose.

Decay. Cloning. Asexual. Pollination.

Is there anything else you would like to tell me about your learning in science?

Science is fun.

I like the activities we do – especially experiments

*Our vision is to inspire and grow a compassionate community of excellence.*

*A place for our children to shine for God, for each other, and for themselves.*