



Mastery in Science at Buttsbury Junior School

Effective mastery in Science encourages all pupils to think about the world around them and explain how and why things work, regardless of their ability.

Through higher order questioning in lessons and Bloom's questions in teacher feedback, this ensures that pupils are thinking and applying their understanding to increasingly more complex situations.

Pupils are given opportunities to apply their understanding of Science in practical activities in which they investigate an open-ended question. They will generate data and try to explain what it means and compare their data with others. Pupils who demonstrate Mastery, will be able to develop a question and consider ways in which it could be investigated.

In conclusions, pupils give well thought out reasons based on their results and consideration is given to how accurate and reliable the results are. The use of other curriculum areas will be used to develop ideas (e.g. mathematics is used to compare data or present the data as a graph when appropriate).

As a result of this, pupils have a deep understanding of the concepts covered including the social, moral, spiritual and cultural aspects as appropriate to the topic. Additionally, pupils will develop a resilient attitude towards Science and apply their understanding to new and different situations.