





Characteristics of More Able Learner in Science

More able learners in science may display a selection of the following characteristics:

- Demonstrate excellent subject knowledge and can make connections and draw on prior learning without prompting -recognise patterns and relationships in science data.
- Can decide quickly how to investigate fairly and consider the variables (control, dependent, independent)
- Can hypothesise/predict based on valid evidence and draw conclusions
- Enjoy researching obscure facts and applying scientific theories, ideas and models when explaining a range of phenomena
- Displays an inquisitive nature, by asking related and deeper thinking questions
- Can apply logical reasoning, drawing on knowledge and evidence
- Can work collaboratively, but may want to lead the group
- Uses and knows further scientific vocabulary beyond the key stage and in the correct context
- Recognise and process reliable, valid and accurate data; can explain why data is unreliable, invalid or inaccurate
- Inquisitive about how things work and why things happen
- Strive for maximum accuracy in measurements of all sorts
- Use advanced and extensive vocabulary, including the use of appropriate language from other areas of the curriculum such as mathematics
- Good observational skills
- Enjoy talking with the teacher about new information or ideas
- Think flexibly, generalise ideas and adapt problem-solving approaches
- Ask many questions
- Enjoy logical reasoning
- Has the ability to problem solve, applying logic, knowledge, and enquiry
- Can confidently choose and apply the correct scientific skills during an enquiry
- Can recognise patterns and relationships in data
- Can write an informative conclusion which includes evidence from the enquiry and scientific knowledge
- Can be extremely interested in finding out more about things around them
- Extremely interested in finding out more about things around them
- Read widely on science or science fiction
- Have scientific hobbies and/or members of scientific clubs and societies
- Able to sustain their interest and concentration and go beyond an obvious answer with greater
- May read widely on science or science fiction