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| <p>What will you see in Biology lessons?</p> <p>In Biology lessons, pupils will have the opportunity to problem solve independently as well as with others in the classroom. They will be introduced to new ideas and concepts that help to explain the world we live in. Pupils will be encouraged to consider how to test, prove and investigate using their continually developing practical skills. This will include planning a method for some investigations, risk assessing and investigating safely, evaluating data, forming conclusions and assessing bias. Pupils will develop their numeracy skills through the calculation of mean values, standard form, constructing and analysing graphs, and calculating magnification. Pupils are encouraged to read aloud in lessons, and to develop their literacy skills by identifying command words in exam style questions. Key terminology is introduced at appropriate points in time, and the use of dictionaries and text books is encouraged for definitions and spellings.</p> | <p>What are the common misconceptions that pupils have and make in Biology that we need to address?</p> <ul style="list-style-type: none"> • Enzymes are killed by heating. • Bile digests fats rather than emulsifies fats. • Breathing and respiration are the same. • Plants absorb water through their leaves. • All cells are flat and very thin. • All microbes are harmful. | <p>What will you see in pupils' Biology books?</p> <p>Title, date and learning purpose each lesson. Evidence of new learning and application of the new learning through the use of questions. Practical investigation write ups will be seen where appropriate. Self and peer assessment as well as live marking will be observed.</p> |
| <p>What assessment (formative and summative) methods do we use in Biology?</p> <p>Formative assessment is evident in every lesson. This is achieved, through self, peer and live marking, questioning and recapping at the start of each lesson. Teachers will observe where the gaps are and will address these within the lesson.</p> <p>Summative assessment happens each half term. Teachers mark the assessment paper and provide an opportunity for pupils to identify their own areas for development and improvement tasks.</p> | <p>Secondary BIOLOGY</p> | <p>Information from the last 12 months in Biology reveals particular strengths in.....</p> <p>Recall of required practicals, extended responses to questions and the topics on physiology.</p> <p>Information from the last 12 months in Biology reveals a particular focus should be on.....</p> <p>Essay style questions and the topic of immunology.</p> |
| <p>What will you see in Biology at Liverpool College that extends beyond the National Curriculum and / or exam specifications?</p> <p>In each key stage, class teachers will introduce ideas and concepts from the next key stage/level.</p> | <p>Parents can help their children in their Biology studies by....</p> <ul style="list-style-type: none"> ✓ Talking to their child about the new learning and looking in their exercise book. Support with homework and revision using Kerboodle and KS3/BBC Bitesize. | |