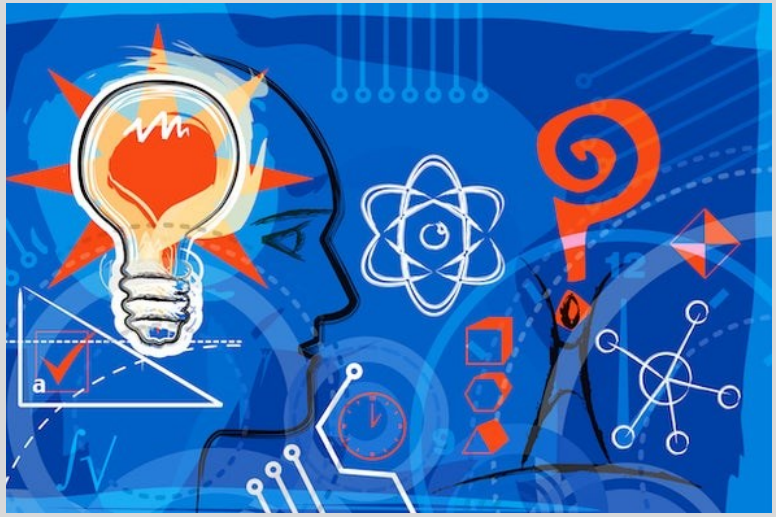
Science Lesson Pathway

Science lessons at Oxhey should:

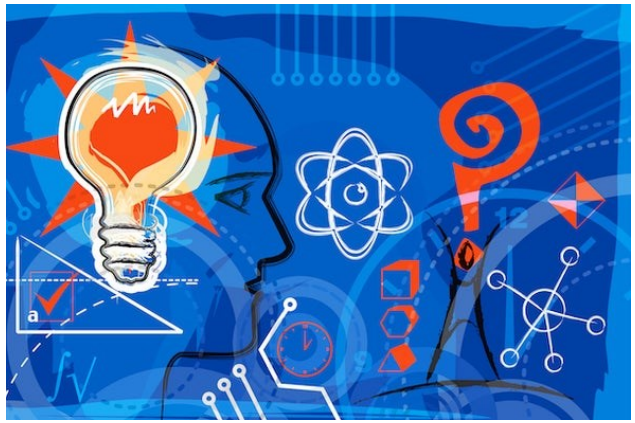
- **Explain that it is a science lesson with reference to: biology, chemistry or physics**
- **Retrieve previous knowledge and vocabulary to improve automaticity and make connections with schema through a discussion starter**
- **Share LO with the children (linked to one of the five scientific enquiry types)**
- **Introduce new vocabulary and use in context—add to the working wall**
- **Introduce the new component and share new knowledge whole class**
- **Active learning and application of the component through exploration or investigations**
- **Plenary, Review and Reflect—what other questions would we like to solve? Is there anything else that we would like to find out? Promote curiosity.**



Science Unit Pathway at Oxhey

1. Overarching question shared with the children at the beginning. Use visual prompts to aid scientific discussion to allow children to work scientifically. These activities are designed to allow children to recall previously taught knowledge while making links with schema (e.g Animals including humans) which will embed learning.

2. Retrieve key scientific vocabulary to develop automaticity. Teach new vocabulary and explore new components.



3. Engage, explore and investigate practical tasks to develop key skills including that of independence.

4. Practise and repeat all components for fluency by varying the task or format. Practical exploration is the key.

5. Apply key scientific skills to carry out an independent or guided, question led, investigation. (components)

6. Evaluate, reflect, prove, explain and present in a variety of ways to celebrate the learning from the unit. Overarching question (composite) to be answered before beginning the next unit of learning.

Throughout a unit of learning, questioning and feedback with appropriate scaffolding are used to promote a natural curiosity for the subject and to ensure cumulative knowledge.