

## **Inclusion Statement for Maths**

Children should be able to access weekly Science lessons due to them being taught in a way, which appeals to all types of learners. In WBJs, we pride ourselves in making science lessons personal to our pupils, using local resources; linking science to other subjects such as Maths, Art, Design, English, History and more; and raising science capital by a range of enriching activities, throughout the year. These include STEM week activities, STEM promoting assemblies, visitor talks, Science based homework or learning about famous scientists to promote STEM career choices.

Teachers should ensure that the lessons are accessible and engaging via a number of ways:

- Using starter activities, which encourage children to talk about a picture, sound or phenomena (e.g. Explorify offers a great range of topic starters).
- Making lessons practical and relatable to everyday situations and using a range of experiments.
- Making use of the outdoors and encouraging teachers to teach lessons outside regardless of the weather.
- Making lessons very practical, using apparatus and various resources.
- Practising scientific vocabulary using a variety of ways – drawing pictures, through drama, playing games such as Pictionary or sorting games.

All teachers have access to Hamilton Trust, which offers lesson plans and resources. Each year group has a textbook 100 Science Lessons which contains a CD ROM with online content. Science leader regularly updates a list of online resources as well as Science manipulatives.

Science is accessible to all children no matter what their literacy and numeracy levels are because they are practical. SEND children will often have a 1:1 who will help them. During practical lessons, children are grouped in mixed ability groups, which allows the more able children to help the others if needed.

Picture books are often used to make scientific concepts more accessible to children with learning disabilities.

Similarly, children who are capable of a greater depth of knowledge, can extend their scientific skills by pushing themselves to reach the challenge provided or provide a more in-depth answer to a task. During scientific experiments, children are able to suggest better solutions or further areas for testing. Greater depth children can become 'teachers' during lessons and help the others with their work. Gifted and talented children take part in science quizzes and other external STEM activities.