

Science at The Cavendish School

'I am not clever, nor especially gifted, I am only very curious' Albert Einstein

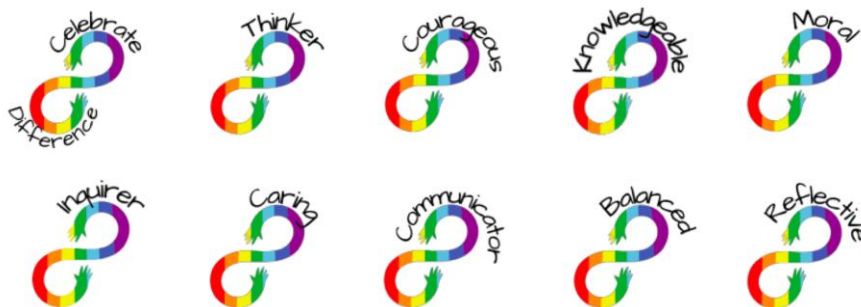
Science is a means of discovering and understanding the world around us. Science forms an integral part of everyday life; it is all around us, in everything we do. As humans we are naturally curious and science channels and develops that curiosity.

Developing Key Skills and Knowledge through Participation in Science

We need to know and understand scientific concepts in order to live our life to its fullest. We need to learn how our bodies work, how we can keep them healthy, and how the world around us works so that we can be safe and manage ourselves in our environments. It is also essential in becoming an informed citizen, understanding the issues and debates around climate change, sustainability and health. The IB Primary Years programme promotes conceptual understanding through transdisciplinary learning and the inquiry approach, linking Science to other aspects of learning and life which is so fundamental in understanding and engaging with Science.

School priorities and vision

Our school's mission statement is 'Enabling the Self'. As an International Baccalaureate School, our school has a variety of values that we feel are essential to our students' development and journey with us. These are:



The Science curriculum is designed to incorporate all aspects of our IB learning statements in order to create well rounded students. At the end of their school journey, our students will be:

- **Knowledgeable** about themselves and the world around them. They will have the knowledge to support an informed view on local and global issues.
- **Reflective** on their own place in the world and how their behaviours influence it.
- **Moral** when considering their impact on the world.
- Able to **celebrate difference** when learning about other living things.
- **Thinking** hard about complex topics and making connections within Science and with other subjects.
- **Caring** towards the world they live in and how their behaviours impact others, directly or indirectly.
- Able to **communicate** their ideas using scientific terminology and conventions
- Able to give a **balanced** view on a debate taking into account evidence.
- Confident in **inquiring**, using scientific method to investigate scientific ideas and phenomena.
- **Courageous** in learning new practical skills and trying things which might not work first time.