Science at The Cavendish School

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

Albert Einstein

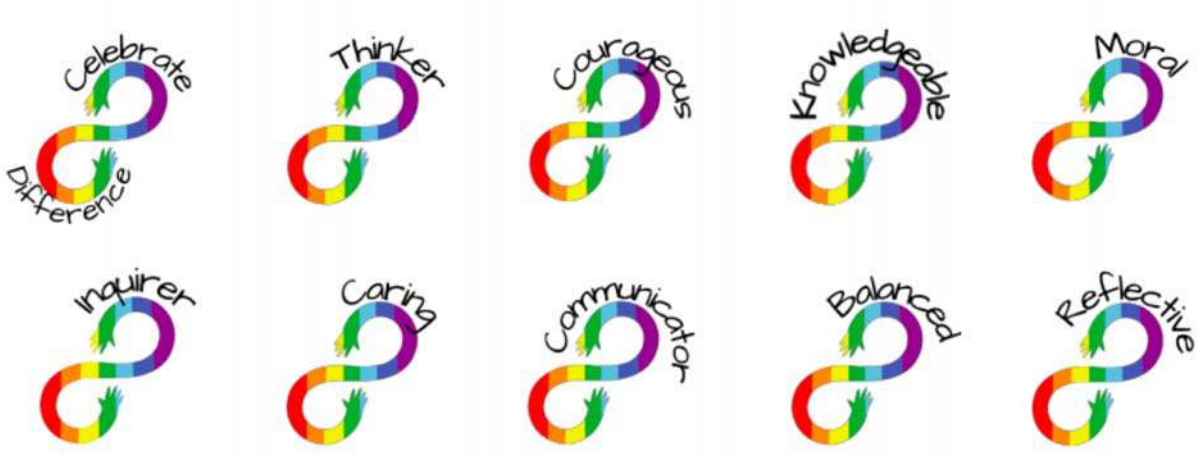
Through science we explore ourselves, our world and beyond. We build a body of knowledge that helps us to make sense of our experience, and from which we can make predictions about the impact of our actions.

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 and how we can keep them healthy, and how the world around us works, so that we can be safe and manage 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, linking Science to other aspects of learning and life, and also through the inquiry approach, which is so fundamental in Science.

School priorities and vision

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 the diversity of life of Earth.
- 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 different types of evidence into account.
- 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.