Individual liberty Mutual Respect The rule of Law Democracy

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### **Individual Liberty**

Democracy

- Opportunities for students to choose methods to use for exploring scientific hypotheses.
- Opportunities for students to choose the format for presenting scientific ideas.
- Students are at liberty to express preference of scientific or religious/ethical learnings on issues e.g. the use of stem cells in medical research and treatment.

# The Rule of Law

- Implementation of classroom rules (behavior and expectations)
- Use of procedural rules for scientific experiments
- Observation of safety rules and an awareness of the consequences of non-adherence to them.
- An awareness of the scientific laws of nature e.g. the law of gravity, Newton's laws of motion, etc.

**British Values** 



#### Democracy The rule of Law Mutual Respect Individual liberty

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## Democracy

Open discussion and sharing of views on a ٠ range of issues e.g. organ transplants, methods of developing new drugs etc.

## **Mutual Respect and Tolerance**

- Promote these during and through discussion work (in pairs, groups or as a class).
- Students are encouraged to respect others' choice of lifestyle when learning the science of health and diet.
- Respect for each other's opinions and views e.g. when discussing Creation v Big Bang Theory, genetics and stem-cell research.
- Respect for the long and proud tradition of British scientific pioneers e.g. Robert Hooke and Sir Isaac Newton; as well as contributors to Science from other cultures and countries e.g. Einstein, Dr. Mae C. Jemison (Astronaut/100 year Starship Project).