



PATHFINDER OVERVIEW



Curriculum Aim

The STEM curriculum encourages curiosity about the world while developing scientific understanding, investigative skills and practical problem-solving abilities.

What Students Learn

 Our curriculum:	 Key skills developed:
Biology · Cells and plant science · Human body systems · Evolution and inheritance · Classification and reproduction Chemistry · Materials and properties · States of matter · Solutions and mixtures · Chemical reactions · Acids, bases and the periodic table Physics · Space and Earth systems	· Scientific enquiry · Investigation and experimentation · Data collection and analysis · Scientific reasoning · Critical thinking · Cross-disciplinary problem-solving · Environmental awareness · Application of mathematics in science

- Forces and motion
- Light and sound
- Electricity and energy transfer

Environmental Science

- Ecology
- Biodiversity
- Sustainability
- Climate change