



Science

Substantive and Disciplinary Knowledge

At Birchington Church of England Primary School we will provide the children with the concepts, skills and knowledge which they need to develop as scientists.

The substantive knowledge builds progressively to develop children's understanding of concepts, models, laws and theories.

It is organised into the following four areas:

Biology

- Living things and their environment
- Reproduction, inheritance and evolution

Chemistry

- States of matter
- Materials (properties and changes)

Physics

- Energy
- Forces
- Earth Science
- Earth and space

The disciplinary knowledge builds progressively to enable children to work scientifically and covers the following aspects:

- Methods used to answer questions
- Using apparatus and techniques
- Data analysis
- Using evidence to develop explanation