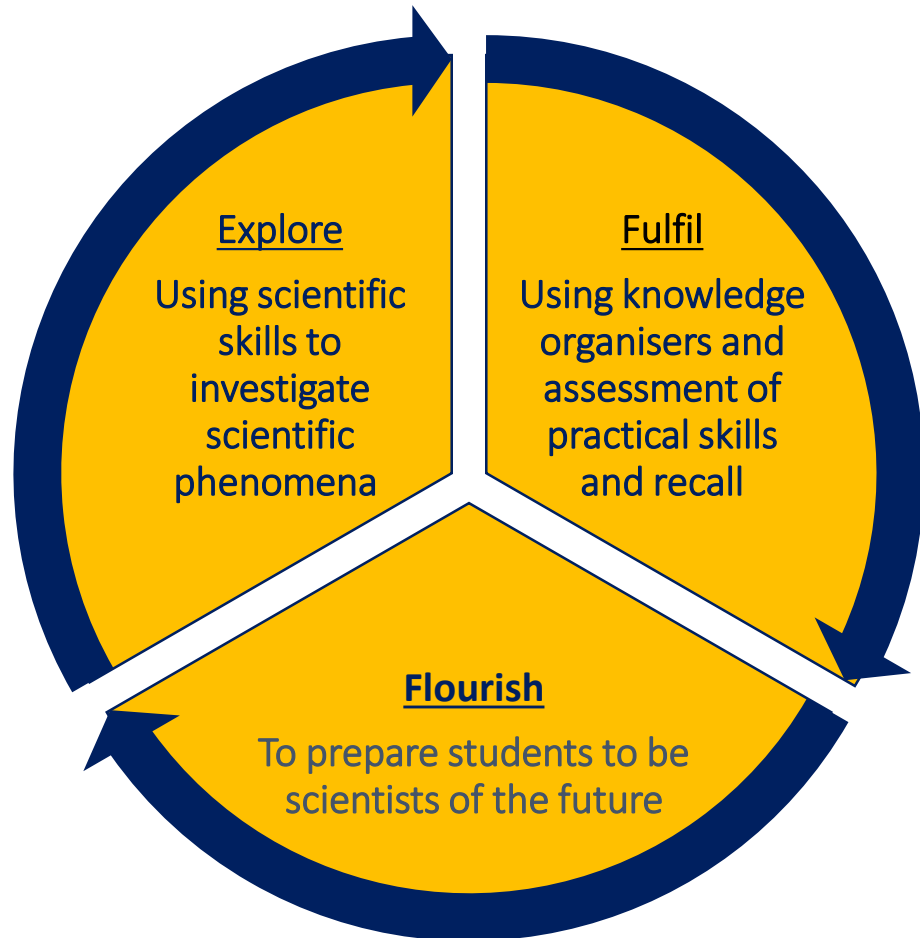


Intent:

To provide a transition from KS2 to KS3. Developing students as independent thinkers by providing a challenging curriculum supported by investigative work. Students explore related themes in depth, linked together into broad topics.



Topics:

Broad topic headings are listed below; these are taught through Year 7 and Year 8

Introduction to science
Cells and organisms
The particle model
Forces
Plant and animal reproduction
The periodic table
Earth and space
Respiration
Chemical reactions
Waves
Ecosystems
Metals
Electricity

Key skills and concepts developed in Science

Mathematical skills –
eg: ratios, fractions, algebra and scales
Graph drawing skills
Method writing
Assessment of variables and maintaining controls
Recording and analysing results
Drawing conclusions
Evaluating evidence
Predicting outcomes

Wider Impact:

Contribution to Cultural Capital/British Values and Wider Society/Careers/SMSC

KS3 science provides learners with opportunities to explore new scientific discoveries and to start to evaluate their impact and importance to society and their associated ethical implications.