Science Curriculum Vision (KS3):

Why should students learn your subject?

The study of Science allows the development of logical understanding of the interactions between the living and non- living components of the world around us.

It allows students to develop a logical approach to problem solving and an appreciation of how to work safely and scientifically.

It helps to prepare students for further study and encourages students to look at the field of Science as an area in which they may ultimately aspire to work.

What is the core knowledge in your subject that all students should understand?

YEAR SEVEN
Safe Working in a Laboratory

CYCLE ONE
Muscular and skeletal systems
Atoms and Elements
Kinetic Theory

CYCLE TWO
Separating Mixtures
Energy
Cells and Photosynthesis

CYCLE THREE
The Earth
Reproduction
Forces

YEAR EIGHT
CYCLE ONE
Nutrition
Chemical Reactions
Heat Transfers

CYCLE TWO
Gas Exchange
Light and Space
Acids and Alkalis

CYCLE THREE
Genetics
Sound
Electricity and Magnetism

What do students do with their knowledge to demonstrate their understanding?

Students give peer presentations.

Students given opportunities within the classroom to contribute to discussions relating to topics being taught.

Students complete teacher marked assessments, peer marked work and self-marked work.

SAM Learning tasks enable them to identify areas of strength and those on which they would wish to improve.

Show safe working in practical science.