

Science Curriculum Statement

Curriculum Intent

The purpose of the Science curriculum is to develop students' understanding of themselves and the world they live in through the study of Science and to ensure that students can understand scientific processes that aim to make sense to the world.

Vision and values

To develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry, and physics

To develop understanding of the nature, processes, and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them

To be equipped with the scientific skills required to understand the uses and implications of science, today and for the future

To explore how scientific ideas, develop and how we learn by experimentation

To enable all our students to develop scientific consciousness, from the subatomic to the intergalactic

Planning and sequencing

Every opportunity is taken to highlight and discuss the variety of science-based careers paths that pupils may wish to follow. Starting in year seven, we breakdown misconceptions about a typical scientist and that not all scientist wears white coats. Biannually, all pupils participate in various practical lessons to see how science explains the natural and synthetic process. The pupils are invited to attend educational excursion and exposed them to the scientific events.

Implementation

All students at both key stages have regular assessments of their knowledge and skills as indicated in the curriculum plans above. This information is used to inform planning and intervention where necessary. All assessed work is stored in assessment folders within the department. It is the science curriculum area policy to provide written feedback to pupils on their knowledge assessments and practical skills.

Students will be given a varied diet of science homework tasks dependent on their year group. Examples of science homework may include questions to support classwork, past examination questions, spellings, revision, research, or an extension piece of



Stantonbury School
Executive Principal: Jim Parker
Stantonbury, Milton Keynes, MK14 6BN

enquiries@stantonbury-tove.org.uk
Main reception: 01908 324 400
www.stantonbury-tove.org.uk

literacy/maths/creative work. Pupils will regularly be set science homework to complete online at www.scence.com and on google classroom. Homework will usually be peer or self-assessed in class. Pupils will receive verbal feedback on their homework where appropriate.

