

The Castle @ Theale

Science

Young people need to experience the awe and wonder of the world around them, have the confidence to question, challenge and investigate. Learning in Science is aimed to spark excitement and intrigue and a desire to keep learning.

Science should be exciting for young people, giving them skills and opportunities to improve their futures.

The curriculum has been selected because it creates a learning structure that constantly builds contextual and conceptual knowledge.

The principal focus of science teaching in key stage 3 is to develop a deeper understanding of a range of scientific ideas in the subject disciplines of biology, chemistry and physics. Pupils should begin to see the connections between these subject areas and become aware of some of the big ideas underpinning scientific knowledge and understanding.

Our curriculum planning will always ensure that the needs of each learner are embraced and celebrates the diversity in styles of learning and interests.

The Ark Mastery Programme provides the basis for our curriculum in science and covers the areas of biology, chemistry and physics. Students will experience the full range of topics within these subjects in a variety of ways that meet the needs of each learner.

Curriculum links with other areas of the school community are important, for example, Cooking and Food Technology, Design and Technology, Horticulture and vocational learning.