Design & Technology Curriculum

Overview

Design and technology at St Wilfrids offers pupils a wide variety of teaching that covers all aspects of the curriculum. It is our aim to give all pupils the opportunity to learn various skills allowing them to become independent and creative problem solvers.

Key Stage 3

Through years 7, 8 and 9 pupils rotate through a project carousel which focuses on a different skill every 10 weeks. These skills include Resistant materials (wood and metal work) Textiles, Food, Graphics and Systems and Control (Electronics). Thorough out these projects we try to cover the theory behind design as well as covering as much of the practical side as possible. By the end of key stage 3 all pupils should understand the underlying principles of design and be able to take a design from its initial idea right through to making.

Key Stage 4

In Year 10 and 11 the ideas covered during KS3 are expanded upon and covered in more detail with a lot more emphasis put on the end user of their products. We currently follow the OCR product Design specification for GCSE which is broken down into four parts:

A551: Developing and applying design skills (controlled Assessment – 30%)

A552: Innovation challenge (6 hour practical exam – 20%)

A553: Making testing and marketing (controlled Assessment – 30%)

A554: Design influences (Written Exam – 20%)

Key Stage 5

Years 11 and 12 use their knowledge from previous years and apply their learning to real world situations. Speaking to users and getting real time feedback as well as making final working prototypes of ideas they have designed. Their work is split across two years and four areas of work.

AS

F521: Advanced innovation Challenge (6 hour practical exam – 20%)

F522: Product Study (controlled Assessment – 30%)

A2

F523: Design Make and Evaluate (controlled Assessment – 30%)

F524: Product Design (Written Exam – 20%)

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Department Website: http://tech.stwilfrids.com