

# Design and Technology Faculty

## Subject Overview:

### Design and Technology

The Design and Technology faculty at KSA consists of a team of innovative and enthusiastic graduate teachers who are committed to developing students' knowledge and skills in response to challenging design situations. The faculty is supported by the latest CAD/CAM technological advances such as a 3D printer, laser cutter, sublimation printer and a CNC plotter. Students are currently taught in tutor groups.

In 2015 the department is to see a brand-new state-of-the-art specialist area with a Food room, Product Design/Resistant Materials space, Textiles room and dedicated Graphics/ICT suite.

### KS3 Topics:

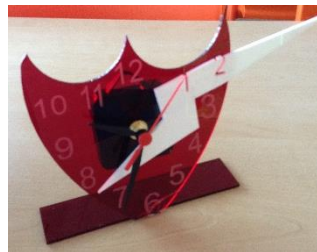
At KS3 students have 2 x 1 hour lessons a week and lessons are taught on a rotation basis to cover the different areas of technology. In Year 7 students take part in areas such as Product Design, Textiles and Food Technology. Year 8 provides students the opportunity to experience Graphic Design as well as Product Design and Food Technology. As students enter Year 9 projects are devised to help students decide where their strengths lie and prepare them for their GCSE options.

Students are encouraged to become independent in their thinking and the expression of their ideas and to take responsibility for their own learning.

### Year 7:

(Please note that projects may occur in a different order)

Term	Scheme of Learning
Rotation 1	Product Design: Clocks
Rotation 2	Textiles: Culture Cushion
Rotation 3	Food: Healthy Eating



**Year 8:**

(Please note that projects may occur in a different order)

Term	Scheme of Learning
Rotation 1	Product Design: USB Memory Stick
Rotation 2	Graphic Products: Board Games
Rotation 3	Food: Multi-Cultural Food



**Year 9:**

(Please note that projects may occur in a different order)

Term	Scheme of Learning
Rotation 1	Product Design: MP3 Speaker
Rotation 2	Textiles: Drawstring Bag
Rotation 3	Food: Catering Company