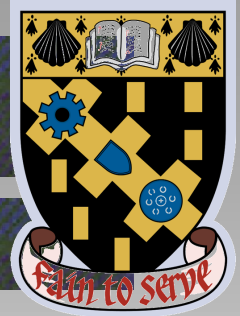


# Technologies

## Broad General Education S1-S3



### Design & Manufacture

Design and Manufacturing introduces you to the multi-faceted world of product design and manufacturing. Creativity is at the heart of this course - yet it is its combination with technology that makes it so exciting. The Course combines scientific, mathematical and technological rigour with design creativity and innovation. It is this interface between technology and creativity that makes the course so full of options, possibilities and of great educational benefit. In the course you are encouraged to use imagination, creativity and logical thinking and to apply practical skills. The course thus provides a broad scope for personalisation and choice. The course provides progression from experiences and outcomes in expressive arts, mathematics, science and ICT as well as in craft, design, engineering and graphics.

### Graphic Communication

Graphic Communication introduces you to the diverse and ever-increasing variety of presentation methods employed on graphic communication. It provides scope for personalisation and choice. You are encouraged to exercise imagination, creativity and logical thinking. You will develop an awareness of graphic communication as an international language. You will find that the skills you acquire by successfully completing this course will be invaluable for learning, for life and for the work of work. The course provides skills that are complementary to other curricular areas such as expressive arts, sciences and mathematics. It provides skills that are valuable for you in the other areas of study in the technologies. The course provides progression from experiences and outcomes in expressive arts and ICT, as well as in craft, design, engineering and graphics.

### Practical Woodwork

Practical Woodwork is practical, exploratory and experimental in nature. It combines elements of technique and standard practice with elements of creativity. The course provides opportunities for you to gain a range of practical woodworking skills and to use a variety of tools, equipment and materials. It allows you to plan activities through to the completion of a finished product in wood. The course will also give you the opportunity to develop thinking, numeracy and employability, enterprise and citizenship skills. The aims of the course are to enable you to develop skills in woodworking techniques, skills in measuring and marking out timber sections and sheet materials, safe working practices in workshop environments, practical creativity and problem-solving skills and an understanding of sustainability issues in a practical woodworking context.

# *Aspire, Attain, Achieve*