

DESIGN & MANUFACTURE

Course Outline:

Design & Manufacture introduces students to the multi-faceted and important world of product design and manufacturing. In the Course, learners are encouraged to exercise imagination, creativity and logical thinking. The Course thus provides a broad scope for personalisation and choice. The Course allows learners to broaden and deepen their skills base and to widen their horizons regarding a range of potential vocations and careers. It will provide opportunities to acquire and develop further the attributes and capabilities of the four capacities, including: creativity, flexibility and adaptability; enthusiasm and a willingness to learn; perseverance, independence and resilience; responsibility and reliability; and confidence and enterprise.

Entry Requirements:

You will have gained skills in S1 and S2 to allow you take this course. You must also have been able to demonstrate an ability to work safely in the workshop throughout S1 and S2.

Courses Content

There are two units of work in the S3 course.

Design: Students will develop a concept from a given design brief through idea generation, research, graphics and modelling techniques. Evaluation of existing products will also form part of this unit.

Materials and Manufacturing: Students will manufacture both models and prototypes. This unit is designed to enable the learner to develop knowledge of the impact of materials and manufacturing of design and the environment.

Assessment:

The course will be assessed internally by the Teacher through various Formative and Summative assessment techniques.

Progression:

This course allows you to go onto study at National 4 or 5 Level.

There are a very wide range of career paths relevant to the technologically advancing society that we live in. Students often progress into: Product innovation, Designers, Architecture, Interior design, Engineering and Construction.

See the link below for further information:

<https://www.planitplus.net/Schools/SubjectCareerList?mysubject=Design%20and%20Manufacture>