

DESIGN AND TECHNOLOGY



MALBANK SCHOOL
AND
SIXTH FORM
COLLEGE



MALBANK D & T FACILITIES

The normal sequence in which the units can be taken is 1, 2, leading to the AS award, then units 3 & 4 together leading to an A level. Other sequences may be possible.

ASSESSMENT

AS-

UNIT 1 - COURSEWORK	50%
UNIT 2 - EXTERNAL ASSESSMENT	50%

A2 A LEVEL

UNIT 3 - EXTERNAL ASSESSMENT	50%
UNIT 4 - COURSEWORK	50%

The demands of coursework are met with three well equipped workshops each with multimedia provisions.

A central Project Court allows for larger projects to be assembled and it also serves as a display area at times.

The purpose-built suite of rooms includes a welding area and a heat treatment room.

A control laboratory greatly increases the Department's ability to offer high quality experience in CAD/CAM. There are programmes of study which are entirely computer led for modules in materials, robotics, pneumatics, alternative energy/structures and mechanisms. A CNC lathe/mill and engravers also features. A new 13K laser cutter will be in operation by September 2006. Internet facilities are available in all rooms.



Introduction

PRODUCT DESIGN

The students taking Edexcel Advanced Subsidiary and Advanced Level take two units for AS and a further two units for A2. The AS and A2 combined constitute a full A Level.



The AS level is assessed at a level between AS and A Level.

If you have studied a GCSE course in Resistant Materials, Graphic Products or other similar D&T course, you may have the necessary background, providing that you have gained the minimum levels asked: with a B grade at GCSE, in a related subject, and five A-C passes.

Applicants should have a keen interest in Designing and Making; researching needs, illustrating and making quality solutions in a variety of materials and evaluating throughout. You may find that this demanding course offers a valuable qualification, which universities and employers welcome.

Design and making will be delivered through AS and A2 coursework which forms 50% of the total.

UNIT 2:
External Assessment—
50%



UNIT 1:
Coursework—50%



AS PRODUCT
DESIGN

A standard between GCSE
and A Level



UNIT 3:
External
Assessment—50%



A2 PRODUCT

UNIT 4:
Coursework—50%

