

SEQUENCE OF UNITS

The normal sequence in which the units can be taken is 1, 2, 3 leading to the A/S award, then units 5, 6, and 7 together leading to an A level. Other sequences may be possible.

ASSESSMENT

AS LEVEL

UNIT 1 -	FOUNDATION ELECTRONICS EXAM	30%
UNIT 2 -	FURTHER ELECTRONICS EXAM	40%
UNIT 3 -	COURSEWORK	30%

A2 LEVEL

UNIT 4 -	WRITTEN PAPER	30%
UNIT 5 -	WRITTEN PAPER	40%
UNIT 6 -	COURSEWORK	30%



MALBANK ELECTRONIC FACILITIES

This course will be based in the Technology Department.

This room is equipped with new computers containing the latest software including crocodile clips, PC Logicator and PCB design and make.

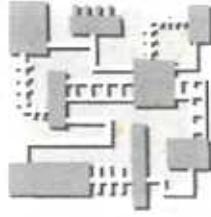
At the start of this course each student will be kitted out with an electronics kit containing a multimeter, logic probe components and breadboard.



ELECTRONICS



MALBANK SCHOOL
AND
SIXTH FORM
COLLEGE



Introduction

ELECTRONICS

This course consists of 6 units, 3 taken in the first year at AS level and a further 3 in the second year at A2 level.

If you have studied a GCSE course in Electronic

Products and have enjoyed it then this course may be for you. Unit 1 covers foundation electronics and assumes no prior knowledge of electronics so a GCSE in electronics although beneficial is not essential.

A level electronics contains mathematical calculations and therefore a grade C or above in Maths is essential. An interest in physics would also be desirable.

This course will be split evenly between theory and practical based lessons in which students will build and test circuits on bread boards. You may find this course demanding, but it will offer a valuable qualification which universities and employers welcome.



UNIT 1:
Foundation electronics
Written Paper
1½ hours – 30% of AS

UNIT 2:

Further electronics – 40% of AS
Exam 1½ hours

AS PRODUCT DESIGN

A standard between GCSE and A Level



UNIT 3:

Coursework Project & Report
30% of total AS marks



UNIT 4:

Electronic Control Systems
1½ hours written paper
30% of A2



UNIT 6:

Coursework Project & Report
30% of A2

UNIT 5:

Communication Systems
1½ hrs written paper
40% of A2

