

KS4 - SOW - Electronic Products

	Year 10	Year 11
Number of Weeks		
8 weeks	Revision of resistors. Develop knowledge of Monostable and Astable circuits. Use of Circuit Wizard to model circuits. Construction of PCB	Continue with design folder. Initial Research and Analysis. Generation of Ideas. Detailed research. Detailed Specification. Development of Solution.
HALF TERM		
7 weeks	Complete PCB. Decade Counter circuits. Develop skills for placing LEDs on to flying leads. Construct Astable / Decade Counter circuit. (Christmas Tree)	Complete the Development. Design PCB. Construct the PCB. Design and manufacture of package for circuit.
CHRISTMAS HOLIDAY		
6 weeks	Micro-Controllers. Programing. Flow charts. Macros. Sub-routines. Use of 7 segment displays. Construction of PCB for Die.	Complete remaining parts of folder. Ie Evaluations.
HALF TERM		
4 weeks	Op-Amps Logic	Revision and examination preperation.
EASTER HOLIDAY		
7 weeks	Start to examine the GCSE tasks for indivual study.	Revision and examination preperation.
HALF TERM		
7 weeks	Begin the design folder for the final piece. Task Analysis Initial Specification	