

# Know It

# Systems Approach to Designing

Knowledge		Date
I know..	that electronic systems can be broken down into INPUTS, PROCESSES and OUTPUTS.	
I know..	that inputs to systems can include light sensors, temperature sensors, pressure sensors and switches.	
I know..	that electronic symbols can be used to represent electronic components.	
I know..	that the PROCESS stage of a system can include the use of programming microcontrollers as counters, timers and for decision making, to provide functionality to products and processes.	
I know..	that OUTPUTS can include the use of buzzers, speakers and lamps, to provide functionality to products and processes.	
I know..	that Design and Technology as a subject, and engineered products as a whole, often use expertise from various fields eg. Systems, materials, engineering, textiles, graphics etc.	
I know.. <b><u>Prove it</u></b>	know and understand how products are designed and made to avoid having a negative impact on others.	

Complete all of this design folder to consolidate your knowledge. Complete a successful

## **Link it**

Remember your knowledge of INPUTS, PROCESSES and OUTPUTS from year 7 & year 8 D&T and

## **Say it**

Vocabulary	Definition
Assess	
Critically	
Extrusion	
Malleable	
Smart Material	
Smelting	
Torque	
Tolerance	
Sensor	
CAD / CAM	