

Resistant Materials KS3 Y8 rotation (12 lessons)

KEYWORDS- Forstner bit, Circuit, LED,

LO.1. xx
Marking out



LO.2. xx
Sawing and chiselling
Making the joints fit

LO.3.
Drilling large diameter holes










Equipment- Steel rule
Try square
Marking gauge
Tenon saw
Bevel edged chisel

LO.5.
What are polymers?

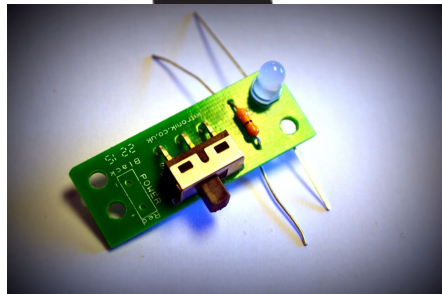
LO.4.
Using a cordless drill
Gluing and clamping

Electronic Components and Equipment

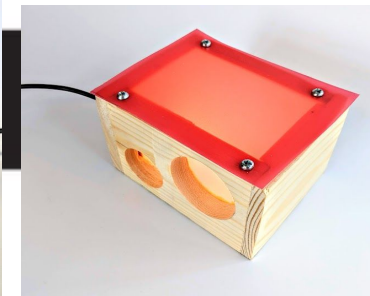
	L.E.D	This provides the light. It must be placed the right way round
	Printed Circuit Board (P.C.B)	All the components are soldered onto this board.
	USB Power Lead	
	Resistor	
	5 Pin Switch	
	Soldering Iron	
	Solder	

LO.6.
Identifying electronic components
Soldering components to PCB

LO.8
Techniques for a high quality finish
Planning for production.



LO.7.
Testing the circuit
Using screws to attach polymers
diffusers



GCSE
PROGRESSION

Developing
prototypes to add
innovation e.g
rotating stands

KEY SKILLS & PROCESSES

1. Accurate marking and shaping of wood for joints
2. Soldering electronic components to a PCB
3. Assembly and finishing of a functioning product