Year 10 Technology and Design — Revision Checklist 2026

Christmas Assessment

The winter assessment mark will be **50% coursework, 50% examination.**

Coursework assessment includes practical work completed this term and written work relating to the Nightlight project (Problem Identification and Design Brief, Research, Specification and Design Ideas). Pupils should ensure that the Nightlight booklet is up to date, with all relevant sections completed. Duplicate booklets are available on Google classroom for anyone who requires a new copy, or from your class teacher at a cost of £1.

The following topics should be revised for the examination:

General workshop safety (A4 page)

Nightlight booklet

Electronic circuit principles (Current, Voltage, Resistance, Insulators and Conductors)

Resistors (Fixed, variable and colour code)

Electronic building blocks (Input, Control and Output)

Input and Output devices (symbols only)

The transistor (symbol, leg names and function in a circuit)

Nightlight circuit diagram (be able to draw the circuit and understand how it works)

Manufacturing processes used for the Nightlight project (drilling, finishing of plastic, line bending etc)

What to bring to the exam:

A ruler

A pencil

A pen

A few colouring pencils

