

Subject: Technology Year 9 Revision guidance 2021

For the Summer Assessment Mark, pupils will be assessed on the following areas in an examination paper. Details of the topics to be revised for the examination are given below and in the learning outcomes at the front of the Mechanical Buggy and Nut cracker project booklets.

Safety in Technology

All theory taught this year in the nut cracker and buggy projects. Safety is also included.

Wood theory, including types, joints, tools, and finishes

Use of basic workshop manufacturing techniques covered last year, including gluing, screw types, drilling, finishing.

Gears and Pulleys, including calculations which work out Speeds and Velocity ratios.

Examples of levers in our world.

Lever types, class 1,2,3. Simple calculation of a class 1 lever

Aluminium theory, including manufacturing processes (bending, finishing, etc.)

Metals theory: ferrous and non-ferrous metals.

Use of tools and manufacturing techniques

Electrical circuit theory, using the DPDT switch to reverse motor direction