

GCSE Design & Technology- Year 11 Term 2.1 (Exam Board EDUQAS)



Unit of study- Timbers		
Specification Mechanical Devices- <ul style="list-style-type: none"> • Principle of a mechanical device to transform input motion and force into a desired output motion and force. • Analyse everyday mechanical devices and how they function. • Consider mechanical systems in terms of input; process; output. • Mechanical systems which: <ul style="list-style-type: none"> • increase or decrease speed of movement/rotation; • change magnitude/direction of force/movement/rotation. • Simple calculations involving mechanical systems. • Analyse the function of mechanical products that have: <ul style="list-style-type: none"> • pulley systems, e.g. curtain rails, sewing machine; • gear systems, e.g. whisk, hand drill; • levers and linkages, e.g. scissors; • rack and pinion, e.g. chair lift; • cams, e.g. automata toys. 	Aims & Objectives: To revise key knowledge so that you can recall and use key terms and knowledge accurately. To recap key sections from the topic and embed understanding of key knowledge. To practice long answer exam style questions to improve confidence in completing the written exam.	Revision links: GCSE Bitesize Revision Link GCSE POD GCSE DT - Cams, followers & gears
	Types of tasks to expect: You will be set a long answer exam question during the last week of the half term based on a topic within the mechanical devices section. You will also be set short Quizizz to complete for each of the other weeks in the half term again based on topics within the mechanical devices section. Where? A printed copy of the homework exam question will be provided to you. This will also be available in Google Classroom Homework will also be posted on ClassCharts. When? Key knowledge quizizz will be set at the beginning of each week. This should be submitted before the first lesson the following week. The exam question will be set once a half term and this should be submitted before the first lesson the following week. Feedback Quizizz will be automarked by the programme. The exam question will be given detailed feedback and DIRT will be provided where appropriate.	Tasks you could complete independently: <ul style="list-style-type: none"> • Mind maps • Flash cards • Revision guide questions (found at the bottom of each page).

