

March –		11 Deadline week for NEA tasks.	12 Deadline week for NEA tasks.	13 Deadline week for NEA tasks.	14 Deadline week for NEA tasks.
Spend 10 minutes a day revising the topic / answering the question in the calendar.					
15 What is the difference between a thermo plastic and a thermoset plastic	16 State 4 reasons why mild steel is used to make products.	17 What are composite materials and what products can you find them in.	18 What is a temporary fixing and when would you use it?	19 What does the term 6r relate to?	20 Why do we use aluminium to make some car parts rather than mild steel?
21 Explain how you can braze two pieces of metal together?	22 What are four processes that you can achieve on a metal lathe.	23 What are the 4 main safety precautions with using a Pedestal drill	24 What is triangulation and why is it used?	25 What are the differences between a series and parallel circuit?	26 State 2 advantages and 2 disadvantages of renewable energy sources?
27 What are the electrical symbols for the following components:- Resistor, switch, battery, led.	28 What are the main tools for marking out metals.	29 What is the difference between a Template, Former and Jig.	30 What is a polymorphic material and where could you see it being used?		

April –		1	2	3	4
Spend 10 minutes a day revising the topic / answering the question in the calendar. Easter holidays challenge yourself to complete the questions each day.		Give the common properties of Mild steel and state 4 common product it would be used in	Give the common properties of Stainless steel and state 2 common product it would be used in	Give the common properties of aluminium and state 2 common product it would be used in	Give the common properties of Acrylic and state 2 common product it would be used in
5	6	7	8	9	10
Give the common properties of Carbon fibre and state 2 common product it would be used in?	Give the common properties of Nylon and state 2 common product it would be used in?	Explain how plastics are manufactured	Explain using images hoe to form an external thread on a bar	How does injection forming work and what product is it used to make?	Explain the differences in shape and colour for health and safety symbols?
12	13	14	15	16	17
Explain what COSHH is in terms of health and safety?	Explain the main differences between brazing welding and soldering?	Explain how you can pop rivet sheet materials together?	Explain how blow moulding works and what products it is used for?	Explain how rotational moulding works and what products it is used for?	How can we sand cast a product?
18	19	20	21	22	23
Explain how a vacuum former work and what product it can be used to make?	What are the 3 main types of lever?	Explain what maintenance you would need to do on a push bike to ensure that it remains safe to use?	What does CLEAPSS stand for?	Explain what an alloy is and give two examples?	What does standard form mean and give some examples?
24	25	26	27	28 TD Day	29
What are linkages and explain how they work?	Explain the differences between gear trains and sprockets and chain drives?	Explain how you can work out the area of a cylinder	Explain how you would work out the area of waste material when cutting parts of stock forms?	Name and draw 4 common temporary fixings and explain where they could be used?	What information should you use when analysing a product?
30					
What is a design specification and why is it so important?					

May –		1	2	3	4
Spend 10 minutes a day revising the topic / answering the question in the calendar. Half Term challenge yourself to complete the questions each day.		What is PVC and where can it be used?	What is the difference between isometric and orthographic drawing.	How can you show that a product has been cut open within an orthographic drawing?	Name 4 personal safety precautions when working within a work shop?
5	6 Bank Holiday	7	8	9	10
Explain the function different finishes to different materials	Explain the difference between destructive and non-destructive testing. Give examples?	Explain what epoxy resin is and how it can be used?	Explain how you can solder an electrical component to a circuit board?	What are the main categories of materials?	What finishes can be applied to Aluminium and mild steel?
11	12	13	14	15	16
Why do we heat up mild steel when we need to form and shape it?	What does the term work harden mean?	What is enamelling and where would you use it?	Explain the positives & negatives of using plastics to make products	Explain the 6Rs	Draw the symbol for orthographic drawing
17	18	19	20	21	
Explain what you would need to include on your title block for a technical drawing?	Explain the following terms <ul style="list-style-type: none"> • CBORE • CSINK • M8 	What is the difference between material properties and working properties?	Final revision for exam		