

Home Learning in Design Engineering & Technology

S1 and S2 pupils are expected to complete one big task or two mini tasks per term, as an indication mini tasks should last approximately 30 minutes to 1 hour whereas big tasks should take more than 1 hour to complete

Once a big task or a mini task has been completed this should be stored in the pupils class folder.

At regular intervals your class teacher will discuss progress with home learning with you and your class.

If you feel you need extra help with home learning or would like to access the facilities within the D.E.T. Department please just ask your class teacher.

Mini Tasks - 30mins - 1hr			
Look around your home and identify three items that are made of wood, three items that are made from plastic and three items that are made of metal.	Identify an item in your home that has been designed by an Electrical Engineer , an item that has been designed by a Mechanical Engineer , an item that has been designed by a Structural Engineer and an item that has been designed by a Chemical Engineer .	Keep a diary of how many electrical items you use in one day and write down what you used them for. E.g. Alarm clock - get up in time	Draw 3 signs that you see every day that don't have any words or letters on it and explain what the sign is telling you.
Design a wrist watch for a teenager. Use a 2D diagram, add colour and comments to explain its features.	Design an easy carry water bottle that could be used during sport. Use a 2D diagram, add colour and comments to explain its features.	Design a new badge for your favourite sports team/ sports person. The logo will be used on next years kit. Investigate symbols that represent where the team is from (landmarks etc). Comment on the elements you have included in the badge and why.	Design a logo for your favourite band or singer. The logo will be used on merchandise sold at their concerts so must clear and obvious who the band/singer are. Comment on the elements you have included in the logo and why.
Big Task - 1hour or more			
Using one point perspective, sketch a piece of furniture in your house. Using colouring pencils render the sketch to make it look realistic.	Using one point perspective, sketch the 7 blocks used in the Tetris. Using colouring pencils render the sketch to take into give the effect of light and shade.	Using one point perspective, sketch a prominent building in Perth. Using charcoal pencils render the sketch to take into give the effect of light and shade.	Make a collage of 5 images that use 1 point perspective. Using a pen and ruler find the vanishing point on each of the drawings.
Create a one fold instruction leaflet with diagrams on how to make a cup of tea. Front cover, instructions on inside page and back if required.	Create a one fold leaflet advertising a local tourist attraction. You must make use of contrast in your design.	Create a one fold event programme for a sporting event, music event etc. You must make use of contrast in your design.	Create a gift box for an individual chocolate bar. You will need to draw out the surface development (net) of the box and design each face. Include elements that are required on a box e.g barcode etc...