



EWELL GROVE PRIMARY AND NURSERY SCHOOL
DESIGN TECHNOLOGY (DT) – SUMMER 3A/3B



Structures

To develop an understanding of what a product is and who it is for. Background research.

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Can use various construction materials.	Can manipulate materials to create a planned effect.	Can name and identify where you may find a product.		Can express an opinion about a product.		Can explain how the use of the product has influenced its design.	
Can begin to construct, stacking blocks vertically and horizontally	Can explore a variety of materials and talk about their purpose.	Can identify the purpose and use of a product.		Can identify who made the product and when it was made.		Can explore the impact on the environment of the materials used for the product.	



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Structures							
To develop technical skills. To explore how freestanding structures can be made stronger, stiffer and more stable.							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Can build using a range of materials.	Can use various construction materials.	Can with help mark out, cut and shape a range of materials.		Can measure, cut, score and assemble given components.		Can use skills in using different tools and equipment safely and accurately.	
Can make enclosures and spaces by stacking and building horizontally and vertically.	Can construct vertically and horizontally for a purpose.	Can use scissors and a hole punch safely.		Can measure, tape or pin, cut and join. Can create own template.		Can cut and join with accuracy to ensure a good-quality finish to the product.	
Can begin to join construction pieces to build and balance.	Can join construction pieces together to build and balance.	Can apply simple finishing techniques, painting, collage, fabric.		Can use finishing techniques which strengthen and improve the appearance of their product including using a range of computing skills.		Can assemble components and make working models.	



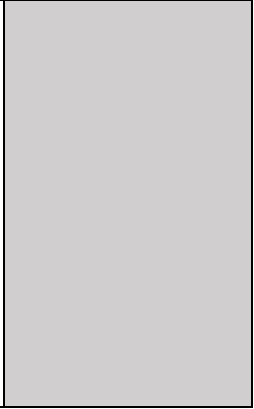
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Can realise tools
can be used for a
purpose.

Can select
appropriate
resources and
adapt work
where
necessary.

Can recognise
which joining
techniques are
temporary and
which are more
permanent, e.g.
masking tape,
blue tack, PVA
glue, sewing.





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To be able to design/plan a product.							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Can say what they would like to make.	Can identify materials needed to create a product.	Can explain what product they will be designing and making.		Can generate realistic ideas that meet the needs of users.		Can generate realistic ideas that meet the needs of users and take into account availability of resources.	
Can talk about what it would be used for.	Can draw and label a design.	Can explain who their product will be used by and what it will be used for.		Can describe the purpose of their product and how parts of their product work.		Can record a step by step plan (including diagrams, annotated sketches and computers) for making with a list of tools, equipment and materials.	
Can identify materials needed to create a product.	Can explain what product they will be designing and making.	Can discuss what their steps might be through talking or drawing.		Can order the main stages of making representing ideas through diagrams, annotated sketches and computers.		Can describe the purpose of their product, identifying key features and how they will work.	

Product ideas

Bridge, shelters, photo frame, playground equipment, musical instrument, bean bags, egg cosy, money container



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To be able to make a product

Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Can understand that tools can be used for a purpose.	Can select tools and techniques needed to shape assemble and join materials.	Can choose suitable tools for making.		Can choose suitable tools for making whilst explaining why they should be used.		Can measure, mark, cut and shape and join materials and components with accuracy.	
Can combine different media to create new effects.	Can manipulate materials for a planned effect e.g. choose a particular colour to use for a purpose.	Can measure, mark, cut and shape materials and components.		Can use their design criteria whilst making.		Can use their design criteria whilst making accurately.	
Can select tools and techniques needed to shape assemble and join materials.	Can choose suitable tools for making.	Can join, assemble and combine materials and components.		Can measure, mark, cut and shape and join materials and components with some accuracy.		Can demonstrate problem solving skills when encountering a mistake or problem.	



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To be able to evaluate a product.							
Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Can say what they have made.	Can talk about their likes and dislikes with their product.	Can talk about their design ideas and what they have made.		Can use design criteria to evaluate their product identifying strengths.		Can use design criteria to evaluate the product looking at quality of end product and design.	
Can talk about the steps they took to complete their product.	Can adapt work where necessary. It would be better if...	Can make simple judgements of how their product met their design ideas.		Can use design criteria to evaluate their product identifying areas for development.		Can use design criteria to evaluate the product and decide whether it is fit for its intended purpose.	
Can talk about their likes and dislikes with their product.	Can begin to evaluate adaptations made.	Can talk about their design ideas and what they have made		Can consider the views of others, including the intended user, whilst evaluating.		Can consider the views of others, including the intended user, whilst evaluating.	