

Laying the foundations for Design and Technology



ELG: Design and Technology

Children at the expected level of development will:

- Return to and build on their previous learning, refining ideas and developing their ability to represent them. EAD
- Create collaboratively sharing ideas, resources and skills. EAD
- Know and talk about the different factors that support their overall health and wellbeing: healthy eating. P.D.
- Further develop the skills they need to manage the school day successfully: mealtimes. P.D.
- Develop their small motor skills so that they can use a range of tools competently, safely and confidently: scissors, knives, forks and spoons. P.D.

At LCPS Pupils are taught:

- To use a Plan, Do, Review approach, when designing and building.
- To explore, join and experiment with different materials, modelling resources and construction kits.
- That all their ideas, choices, creations and models are valued and celebrated.
- To explore and experiment with food and make healthy choices.

Links to the NC	Little Learners 2 Year olds and N1 learn to:	Nursery 3 and 4 year olds learn to:	Reception In Reception children learn to:
Food and Nutrition	<ul style="list-style-type: none"> • Eat finger food and develop likes and dislikes. • Try a wider range of foods with different tastes and textures. • Brush teeth with support 	<ul style="list-style-type: none"> • Start to eat independently and learning how to use a knife and fork. P.D. • Make healthy choices about food, drink. • Independently brush teeth 	<ul style="list-style-type: none"> • Develop their small motor skills so that they can use a range of tools competently, safely and confidently. E.g. knives, forks and spoons. (PD) • Know and talk about the different factors that support their overall health and wellbeing: healthy eating, tooth brushing. P.D. • Make healthy choices about food, drink.
Mechanisms	<ul style="list-style-type: none"> • Complete inset puzzles. (MD) • Repeat actions that have an effect. (UW) • Explore a range of sound-makers and instruments and play them in different ways. 	<ul style="list-style-type: none"> • Join different materials (cogs and wheels, marble run, magnets). • Explore how things work. (UW) • Explore and talk about different forces they can feel. (UW) 	<ul style="list-style-type: none"> • Create collaboratively sharing ideas, resources and skills e.g. Lego, Mobilo, K'nex. • Join different materials (cogs and wheels, marble run, magnets). • Explore how things work. (UW)

Building Structures

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| <ul style="list-style-type: none"> • Build independently with a range of appropriate resources. (PD) • Develop manipulation and control. (PD) • Explore different materials and tools. (PD) • Combine objects like stacking blocks and cups. Put objects inside others and take them out again. (MD) • Build with a range of resources e.g. Mega Blocks, then Duplo. (MD) • Explore, manipulate and play with different materials. • Use their imagination as they consider what they can do with different materials. • Make simple models which express their ideas. • Play with deconstructive play materials: Different solid boxes, cushions, blankets | <ul style="list-style-type: none"> • Choose the right resources to carry out their own plan. (PD) • Make imaginative and complex 'small worlds' with blocks and construction kits (Duplo). • Explore different materials freely, in order to develop their ideas about how to use them and what to make. • Develop their own ideas and then decide which materials to use to express them. • Join different materials and explore different textures. • Select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc. (MD) • Combine shapes to make new ones – an arch, a bigger triangle etc. (MD) • Play with deconstructive play materials: Planks / logs, different sized boxes, different types of fabric, tape, paper, scissors, Pegs | <ul style="list-style-type: none"> • Develop their small motor skills so that they can use a range of tools competently, safely and confidently. E.g. scissors, hole punches. (PD) • Return to and build on their previous learning, refining ideas and developing their ability to represent them. • Create collaboratively sharing ideas, resources and skills e.g. Lego, Mobilo, K'nex, large construction loose parts. • Play and build more complex structures with deconstructive play materials • Use a range of Joining materials (string, tape, pegs, velcro, safety pins) and tools (glue, hammer and nails) |
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