**Langafel CE Primary School DT Coverage and Progression of Skills**

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| Year R | **By the end of EYFS our children will be able to:*** Safely use a range of tools.
* Join and manipulate materials to create desired effect.
* Construct with a clear purpose in mind.
* Shapes materials using appropriate tools.
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| Year 1 | **By the end of Y1 our children will be able to:*** Talk about healthy and unhealthy food.
* Explore and use axels and wheels in a product.
* Use basic tools to prepare food with help.
* Design a product based on specific criteria.
* Create strong joins in structures.
* Model ideas in words and pictures.
* Cut a range of materials confidently.
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| Year 2 | **By the end of Y2 our children will be able to:*** Communicate ideas incorporating types of axel.
* Be able to join fabric.
* Stiffen materials.
* Evaluate ideas and products, comparing to the design.
* Use variety of techniques to prepare food eg grating, slicing, stirring, cutting techniques)
* Develop ideas about their choice of materials and components in a variety of ways.
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| Year 3 | **By the end of Y3 our children will be able to:*** Talk about the different food groups and where food comes from.
* Combine a range of ingredients.
* Communicate designs using sketches and diagrams.
* Measure and mark out with accuracy.
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| Year 4 | **By the end of Y4 our children will be able to:*** Explain a balanced diet.
* Read and follow a recipe.
* Communicate ideas with exploded diagrams.
* Cut more intricate shapes eg internal shapes.
* Investigate and analyse pop up mechanisms ( concertina/box).
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| Year 5 | **By the end of Y5 our children will be able to:*** Create a prototype for a product.
* Use cams in a product.
* Evaluate a product in detail.
* Select appropriate techniques to strengthen and stable a product.
* Produce step by step plans.
* Make careful and precise measurements.
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| Year 6 | **By the end of Y6 our children will be able to:*** Plan and cook a savoury dish, using a variety of techniques.
* Use hidden joins to improve a product.
* Incorporate electrical components in a product.
* Communicate ideas through discussion, annotated sketches, cross sectional and exploded diagrams.
* Refine a product.
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