**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. |
| 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. |
| 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. |
| 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. |
| 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). |
| 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. |
| 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. |