**Luxulyan School**



**Design and Technology Long Term Unit Overview**

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|   | Autumn 1  | Autumn 2  | Spring 1  | Spring 2  | Summer 1  | Summer 2  |
| Ash Year A & B  | Creating with materials; Being imaginative and expressive |
| Beech Year A 1/2  | Designing and making | Mechanisms – wheels, axles and chassis | Designing and making space-themed vehicles; Evaluating toys; Using mechanisms | Making fragrant products | Origins of food; Selecting natural materials | Making models; Baking; Making signs; Designing buildings |
| Beech Year B 1/2  | Designing labels; Designing and making animal enclosures | Making percussion instruments | Carnival instruments; Making flags; Recipes | Making models of towers, bridges and tunnels |  | Structures – strengthening and joining |
| Sycamore Year A 3/4  |  |  | Designing and making tools; Building structures  | Healthy foods; Textiles; Working models | Making weapons and jewellery; Models of Anglo-Saxon homes; Clay rune stones | Making instruments |
| Sycamore  Year B 3/4  | Selecting and using materials | Moving parts; Making models | Product evaluation; Research; Selecting materials; Making vehicles; Building an iron man; Using electrical circuits | Mountain climbing equipment | Shields and helmets; Roman food; Roman designs | Designing submarines; Working models |
| Oak Year A 5/6  | Food of Mexico; Evaluating and making instruments | Selecting materials; Research; Structures; Evaluation |  | Egyptian food; Making tombs and pyramids | Tools and equipment; Recipes; Packaging; Working models | Selecting materials |
| Oak Year B 5/6  | Electrical circuits; Designing a board game |  | Significant individuals; Assistive technologies; Programming, monitoring and controlling products; Website design | SeasonalityCooking; Nutrition | Recipes; Structures |  |