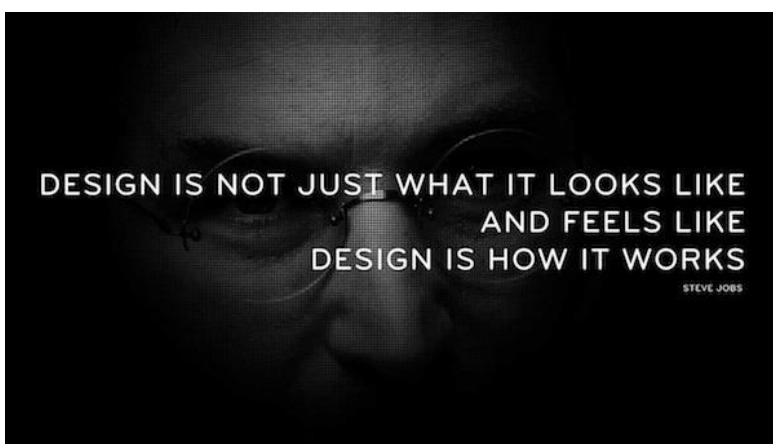




**Crompton
Primary
School**

Design and Technology Vocabulary



**Substantive &
Disciplinary
Vocabulary**

Crompton Primary School

Design and Technology Vocabulary – Substantive and Disciplinary

Year Group	Vocabulary	Units of work
EYFS	<p>Substantive Knowledge Nursery A2- Vegetable / Fruit / Recipe / Raw</p> <p>Reception A2- Food Names / Chapatti / Lassi</p> <p>Disciplinary Vocabulary Nursery A2- Scoop / Cut / chop / Mix / Heat / Soup / Cooked / Above / Below / Ground / Soil / Grow</p> <p>Reception A2- Curry / Naan / Healthy Diet / Recipe / Prepare / Peel / Chop / Blender / Liquid / Taste</p>	<p>Nursery- A1-All About Me A2- Let's Celebrate</p> <p>Reception- A1- A2- Fabulous Festivals</p> <p>Autumn</p>
	<p>Substantive Knowledge Nursery Sp1- Stir-fry / Vegetables / Design</p> <p>Nursery Sp2- Design / Purpose / Plan</p> <p>Reception Sp1- Mechanical / Process / Evaluation</p> <p>Reception Sp2- Plan, Design, Healthy, Varied, Diet, Evaluation</p> <p>Disciplinary Vocabulary Nursery Sp1- Join / Cut / Bend / Flap / Stick / Strong/ Sturdy / Carrots / Beansprouts / Mushroom / Pepper / Courgette / Chop / Slice / Recipe / Taste / Healthy / Stir /Mix</p> <p>Nursery Sp2- Make / Materials / Idea / Shape / Decorate / Join / Stick / Fold / Bend</p> <p>Reception Sp1- Pop-Up / Wind-Up / Assembled / Design / Plan / Cut / Join, Assemble / Resources / Tools / Instructions</p> <p>Reception Sp2- Identify/ Sandwich / Filling / Cress / Herb / Spread / Cut / Stir / Assemble / Add / Resources / Tools / Instructions / Process / Layer</p>	<p>Nursery- Sp1-Castle, Knights and Dragons Sp2- People who Help Us</p> <p>Reception- Sp1- Toys Sp2- In the Garden</p> <p>Spring</p>
	<p>Substantive Knowledge</p>	<p>Nursery-</p>

	<p>Nursery Su1- Material Names</p> <p>Nursery Su2- House Features</p> <p>Reception Su1- Healthy / Balanced Diet / Recipe / Seeds / Vine / Taste/ Texture / Country / Origin</p> <p>Reception Su2- Attractive / Purpose</p> <p>Disciplinary Vocabulary Nursery Su1- Bridge / Structure / Test / Build / Construct /</p> <p>Nursery Su2- Roof / Window / Doors / Chimney / Rooms / Card / Paper / Plasticine / Boxes / Tools / Glue / Tape / String / Staples</p> <p>Reception Su1- Prepare / Peel / Chop, Slice / Scoop / Fruit Salad/ Dessert / Design / Make / Evaluate</p> <p>Reception Su2- Product / Assembled / Design / Plan / Cut / Join / Assemble / Resources / Tools / Instructions / Process / Evaluation</p>	<p>Su1 - Water Su2- Houses and Homes</p> <p>Reception- Su1 -Happy Holidays! Su2- Minibeasts</p> <p>Summer</p>
<p>Year 1</p>	<p>Substantive Knowledge Fruit / Vegetables / Vitamins / Minerals / Fibre / Digestive system / Food groups / Plants / Cereals / Grain / Ingredients / Seasonal / kebab</p> <p>Disciplinary Vocabulary Health and Safety / Hygiene / Safety / Equipment / Design criteria / Evaluation / Design / Likes / Dislikes</p> <p>Substantive Knowledge Process / Materials / Suitability / Purpose / Stable</p> <p>Disciplinary Vocabulary Structure / Shapes / Measuring / Marking / Shaping / Joining / Design criteria / Product / Safety / Plan</p> <p>Substantive Knowledge Creator / Author / Designers/ Presenter / Purpose</p> <p>Disciplinary Vocabulary Puppets / Puppetry / Stitch / Quality / Method / Strengths / Weaknesses/ Prototype / Investigation / Method / Suitability / Materials / Measurement / Shape / Size / Process / Health and Safety/ Plan/ Method</p>	<p>Food and Nutrition- Fruit and Vegetables</p> <p>Autumn</p> <p>Construction Structures- Slides and Swings</p> <p>Spring</p> <p>Textiles- Templates and Joining Structures</p> <p>Summer</p>

Year 2	<p>Substantive Knowledge Lever / Rigid bar / Rod pivoted / Fulcrum / Mechanism / Process / Sliders</p> <p>Disciplinary Vocabulary Interactive / Investigate / Movement / Features / Interactive / Movement / Slit / Direction / Character / Equipment / Materials / Implications</p>	<p>Mechanisms- Sliders and Leavers</p> <p>Autumn</p>
	<p>Substantive Knowledge Bee-bot / Memory / Aspects / Features</p> <p>Disciplinary Vocabulary Investigate / Movement / Maze / Measuring / Width / Length / Prototype / Errors / Assessment / Materials / Process / Design / Changes</p>	<p>Control and Monitoring using CAD to generate, develop and model- bee bots.</p> <p>Spring</p>
	<p>Substantive Knowledge Arable Farming / Eat well plate / Artisan / Source</p> <p>Disciplinary Vocabulary Baker / Cooking method / Measure / Ingredient / Design criteria / Timings / Naan bread / Rye bread / Seeded wholemeal soda bread / Health and safety / Grill / Health and safety / Cutting / Melting</p>	<p>Cooking and Nutrition- Different Types of Bread</p> <p>Summer</p>
Year 3	<p>Substantive Knowledge Environmental / Circuit / Net / Hinged lid</p> <p>Disciplinary Vocabulary Package / Material / Purpose / Implications / Scoring / Joining / Cardboard / Accurate / Craft knife / Food box / Prototype / Health and safety / Equipment / Design criteria / Process</p>	<p>Structure- Shell Structures</p> <p>Autumn</p>
	<p>Substantive Knowledge The eatwell plate / Balanced diet / Nutrition / Source ability / Seasonality</p> <p>Disciplinary Vocabulary Growth / Design criteria / User / Appeal / Equipment / Safety / Purpose Appeal / Taste / Texture / Health and safety / Precaution / Ingredients / Equipment / Method / Presentation / Appeal / Process</p>	<p>Cooking and Nutrition- Celebrating Seasonality</p> <p>Spring</p>
	<p>Substantive Knowledge Conductor / Insulator / Circuit</p> <p>Disciplinary Vocabulary Games / Electrical / Switches / Prototype / Battery / Cell / Connector / Switch / Bulb / Components / Materials / Theme / Design Criteria / Components / Purpose / Timing</p>	<p>Electrical and Mechanical Components- Electronic Game</p>

		Summer
Year 4	<p>Substantive Knowledge Seams / Environment</p> <p>Disciplinary Vocabulary Packages / Observed / Necessary / Preferred / Material / Implications / Age range / Prototype / Equipment / Health and Safety / Time scale / Process / Design criteria</p>	<p>Textiles- Book Bag</p> <p>Autumn</p>
	<p>Substantive Knowledge Vocabulary Inventor / Anglo- Saxons / Pulley / Axles / Dowel / Mesopotamian</p> <p>Disciplinary Vocabulary Mechanics / Design criteria / Prototype / Wheels / Health and safety / Motor / Battery / Switch</p>	<p>Mechanism- Wheels and Axels</p> <p>Spring</p>
	<p>Substantive Knowledge Organic / Arable / Pastoral / Horticulture / Viticulture / Ethnical</p> <p>Disciplinary Vocabulary Farming / Crops / Seasonal / Balanced diet / Cooking methods / Design criteria / Produce / Healthy eating / Ingredients / Health and safety / Timings / Process</p>	<p>Cooking and Nutrition- Where does food come from?</p> <p>Summer</p>
Year 5	<p>Substantive Knowledge Kilojoules / Kilocalories / Vitamins / Nutrients / Michelin star / Biodynamic gardening / Allergies</p> <p>Disciplinary Vocabulary Eatwell plate / Balanced / Seasonality / Minerals / Health and safety / Falafel / Hygiene / Evaluation / Presentation / Equipment / Taste / Ingredients / Healthy Eating / Seasonal Fruit</p>	<p>Cooking and Nutrition- Seasonality</p> <p>Autumn</p>
	<p>Substantive Knowledge Back stitch / Running stitch / Compartments / Stiches</p> <p>Disciplinary Vocabulary Purpose / User / Benefits / Drawbacks / Innovative / Design criteria / Net / Seam / Design process / Prototype / Measurements / Process</p>	<p>Textiles- Combining Different Fabric</p> <p>Spring</p>
	<p>Substantive Knowledge Cam / Follower / Shaft / Linear / Automata / Suction pump</p> <p>Disciplinary Vocabulary Mechanism / Movement / Motion / Component / Slide / Design criteria / Function / Purpose / Drawbacks / Strengths / Process / Drawbacks / Timing / Method</p>	<p>Mechanical Systems- CAMS</p> <p>Summer</p>
Year 6	<p>Substantive Knowledge Series circuit / Parallel circuit / Schematic / Electrons / Resistors</p>	<p>Electrical Components-</p>

	<p>Disciplinary Vocabulary Cell / Components / Circuit / Series / Parallel / Process / Design criteria / Equipment / Materials / Time scale / Health and Safety / Precautions</p>	<p>Steady Hand Game Autumn</p>
	<p>Substantive Knowledge Calories / Energy / Germination</p> <p>Disciplinary Vocabulary Nutrition / Eatwell plate / Herbs / Platter / Appeal / Texture / Taste / Taste testing / Appearance / Appeal / Design criteria / Process / Prediction / Estimating / Health and safety / Ingredients / Equipment / Method / Presentation</p>	<p>Cooking and Nutrition- Celebrating Seasonality Spring</p>
	<p>Substantive Knowledge 3D printer / Control / Slicing / Tinkercad</p> <p>Disciplinary Vocabulary Models / Programming / Monitoring / Industry / Limitations / Considerations / Positives / Prototype / Measurement / Support / Implications / Details / Time scale / Supports / Design criteria / Timing / Design considerations</p>	<p>Control and monitoring using CAD to generate, develop and model- 3D Printing Summer</p>

