



DT Overview 2026-27

Year	Autumn	Spring	Summer
1	Playground Equipment Structures Build stable freestanding structures by joining and strengthening materials. • Stable freestanding structures • Join materials • Strengthen structures	Bringing Stories to Life Mechanisms Create movement using sliders and levers. • Sliders & levers • Simple movement	Smoothies Food Prepare fruit and vegetables safely using good hygiene. • Hygiene • Prepare fruit & vegetables
2	Puppets with Personality Textiles Use templates and running stitch to join fabric. • Templates • Running stitch • Join fabric	Ready, Set, Roll! Mechanisms Construct moving vehicles using wheels and axles. • Wheels & axles • Reduce friction	Healthy Salads Food Prepare healthy food for another person using safe cutting techniques. • Claw grip • Design for another person
3	Bird Boxes Structures Construct shell structures using wood. • Cutting • Joining • Reinforce	Roman Coin Purses Textiles Develop accurate sewing using over stitch and appliqué. • Over stitch • Appliqué • Durable products	Seasonal Soup - Autumn Food Design a soup using seasonal ingredients for a user. • Seasonal ingredients • Balanced meals
4	Lighting the Way Electrical Systems Design and build simple electrical circuits using switches. • Circuits • Switches • Testing	Up, Up and Away! Mechanical Systems Use air pressure to create reliable movement. • Pneumatics • Air pressure	Healthy Sandwiches Food Design a balanced meal for a user. • Adapt recipes • Components of a balanced meal
5	Bridging the Gap Structures Apply triangulation and reinforcement to build strong frame structures. • Frame structures • Triangulation • Load testing	Amazing Automata Mechanical Systems Use CAM mechanisms to convert rotary movement into linear movement. • CAMs • Rotary → Linear	Brilliant Bread Food Develop bread-making techniques including kneading, proving and baking. • Yeast • Kneading • Proving

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6	Afternoon Tea for the local community Food Plan, budget, prepare and evaluate an afternoon tea for the community • Budgeting • Dietary needs • Independent planning	Comfort with Style Textiles Construct products using seams, fastenings and embroidery. • Seams • Fastenings • Embroidery	Steady Hand Challenge Electrical Systems Design, build and troubleshoot reliable electrical games. • Reliable circuits • Troubleshooting