



Elms Bank
School & College

Excellence for All

Product Design

Long Term Plan – Inspire KS3

	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Key Stage 3	<p>Skills - Drawing ideas with aids and templates (French curves) and 3D block shapes in isometric</p> <p>Workshop Safety – moving around with objects</p> <p>Materials – families wood, metal and plastics (thermoplastics, thermosets etc)</p> <p>Working with tools – basic cutting and templating</p> <p>Projects – Money box, Door buzzer, Jigsaw</p>	<p>Drawing ideas using templates and lightboxes</p> <p>Workshop Safety – basic tools</p> <p>Materials – basic properties including 'tough' and 'durable'</p> <p>Working with tools – basic cutting and wasting of sheet and block material</p> <p>Projects – Money box, Door buzzer, Mask</p>	<p>Drawing directed colour ideas using templates (French and flexi curves) and lightboxes</p> <p>Workshop Safety – safety of others</p> <p>Materials – families wood, metal and plastics (hardwood, softwood and manu boards)</p> <p>Working with tools – basic shaping and finishing</p> <p>Projects – Photo Frame, Night Light, Toy Car</p>	<p>Drawing with a ruler</p> <p>Workshop Safety – PPE (independent tie up apron and put on gloves)</p> <p>Materials – working with CAD/CAM (Techsoft 2D design introduction)</p> <p>Working with tools and powered equipment</p> <p>Projects – Photo Frame, Night Light, Toy Car</p>	<p>Drawing with a ruler and handling modelling materials</p> <p>Workshop Safety – supported powered machines</p> <p>Materials – working with CAD/CAM (basic set up material in laser cutter)</p> <p>Projects – Modern Art Clock, Desk Tidy</p>	<p>Play / Wellbeing Curriculum</p>