

Y8

Health & Safety

Workshops
 Kitchens
 Sewing machines



Yr8 Henry Beaufort Speedsters Club



DT: LEGO

2D drawing skills: orthographic projection
 3D drawing skills: oblique, isometric
 Modelling: 3D CAD, foam
 CAD: SolidWorks
 Impact of CAD/CAM on products, society, the environment
 CAM: 3D printing & milling
 Materials – thermo and thermosetting plastics
 Evaluation & analysis: PMI, ACCESS FM

DT: Mood Lighting

Writing design briefs, research & analysis, specifications
 Materials – ferrous & non-ferrous metals
 Marking out skills: scribes, centre punches, steel rules and tri squares
 Shaping and forming materials: tin snips, coping saw, hacksaw, stepped drilling, rolling, bending
 Finishing materials: filing, polishing, sanding & waxing



Yr7-8 Food Club



Food & Nutrition

Revision of eat well plate
 Fad diets
 Macro nutrients
 Recipe adaptation and planning healthy dishes – burgers, cookies, cakes
 Meal planning
 Research different cuisines

Food Science and Preparation

Knife skills – dicing, julienne
 Yeast experiments and use – calzone, rolls
 Shortcrust pastry – shortening, pasties, turnovers
 Sensory evaluation
 Sauces – gelatinisation, all in one and roux
 Writing time plans



Smart Textiles

Techniques: lining products, fabric decoration, creating fabrics, stencil printing
 Sewing machine skills: corners, zig zag, neatening, machine embroidery
 Materials – SMART textiles, biodegradable and non-biodegradable fibres

GCSE Design & Technology

Y9 Options

GCSE Food Preparation & Nutrition

GCSE Engineering