

Chessington Design & Technology Curriculum

Year 10

Carpentry on site
Stud wall, following plans, working independently

Mock Exams

NEA | Carpentry Assignment (20%)

Trades, employment & careers

Sustainable construction

Plumbing skills
Soldering Copper, push fit and waste systems

Health & Safety, Site visits

CoNSTRUCTION
the future starts here

Technologies, materials and forms used in construction

Electrical skills
Wiring, lighting, household electrics

Planter Project
Marking out, accurate drilling, cutting and assembly in timber

Structure of the industry

Built environment lifecycle, types of structures

Year 9

Surface finishes, assembly

End of year assessment

Smart Materials

TEXTILES Techniques

Innovative Design

Annotating design ideas and model developed ideas.

Designing pattern pieces and templates. Developing surface decoration

TEXTILES storage roll

Modelling, sketching and developing ideas in CAD to be cut on laser cutter

End of year assessment

D&T LED Lamp

Year 8

Hardwood presentation case

TEXTILES Skills Workshop

Technical vocabulary

Metals & casting theory & pewter cast

Generate ideas for a keyring

D&T Pewter Keyring

To be able to select materials and techniques suitable for their designs.

Development skills: Ideas, annotation, surface decoration and machining.

TEXTILES Tote Bag

Year 7

End of year assessment

Threading up the sewing machines and various stitches

To introduce Year 7 students to the sewing machines and surface decoration techniques.

Technical TEXTILES

Introduction to workshop machinery, sawing, drilling, sanding

Cams, linkages, levers

D&T Mechanisms

Creating a logo
Box nets

D&T Food Packaging

Students will identify a theme and design for their target market

Formal drawing and sketching techniques.

Introduction to hand sewing

Fabrics and Fibres

Threading needles, stitching

TEXTILES Sweet Treats

Designing and making principles
Generating & Communicating ideas

Welcome to
CHESSINGTON SCHOOL

Transition