SOUTH WILTS GRAMMAR SCHOOL

Learning Journey: Design and Technology

YEAR 13

Development of design Prototype. Analysing and evaluating the product. Design Methods and Processes

NEA

Digital Design and manufacture. Protecting Designs and Intellectual Property.

Design for maintenance, repair and disposal. Enterprise and marketing, Requirements, Health and Safety

Practice questions and produce revision resources. Enhancement of materials, Finishes, Feasibility Studies

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NEA

Critical Analysis, Responsible Design. Performance and Characteristics of materials. Forming and redistribution of materials

Examination Practice

Post 18

YEAR 12

Development of design Prototype.

NEA

National and International Standards. Modern and Industrial Practice

Selecting Tools and Equipment, Accuracy in Manufacture, Design for manufacture,

Development of a design proposal.

NEA

Design Theory, Technology and Cultural Changes

Design Methods and Processes

Identifying and investigating design possibilities. Producing a design brief and specification

NEA Polymer Forming

Enhancement of materials, Finishes, Feasibility Studies

Forming and redistribution of materials

Marking out, cutting, shaping, joining and finishing. Sketching and CAD modelling

Timber construction, graphical communication and metal fabrication

Design Theory, Technology and Cultural Changes

Selecting Tools and Equipment, Accuracy in Manufacture, Design for manufacture,

Techsoft, design communication, laser cutter, isometric and orthographic drawing

Timber construction, graphical communication and metal fabrication

National and International Standards. Modern and Industrial Practice

, Digital Design and manufacture. Protecting Designs and Intellectual Property.

Cold forming, brazing, riveting, spot welding, bending and forming.

Timber construction, graphical communication and metal fabrication

Design for maintenance, repair and disposal. Enterprise and marketing, Requirements, Health and Safety

Critical Analysis, Responsible Design. Performance and Characteristics of materials