Overall Curriculum Goals

-To be introduced to a variety of experiences that employ a range of traditional and new media, processes and techniques appropriate to the chosen areas of study.

-Gain a knowledge of art, craft and design, developed through research, the development of ideas and making, working from first-hand experience and secondary source materials.

-Record experiences and observations, in a variety of ways using drawing or other appropriate visual forms; undertake research; and gather, select and organise visual and other appropriate information

-Explore relevant resources; analyse, discuss and evaluate images, objects and artefacts; and make and record independent judgements

-Use knowledge and understanding of the work of others to develop and extend thinking and inform own work

-Generate and explore potential lines of enquiry using appropriate media and techniques

-Apply knowledge and understanding in making images and artefacts; review and modify work; and plan and develop ideas in the light of their own and others' evaluations
-Organise, select and communicate ideas, solutions and responses, and present them in a range of visual, tactile and/or sensory forms.

| Organise, select and communicate ideas, solutions and responses, and present them in a range of visual, tactile and/or sensory forms. | | | | | | | | |
|---|---|------------------------------------|---|---|---|--|--|--|
| Half Term 1 | Half Term 2 | Half Term 3 | Half Term 4 | Half Term 5 | Half Term 6 | | | |
| Various workshop activities, and the | Lighting Project as a practice NEA | Lighting Project as a practice NEA | NEA and personal focus. | NEA and personal focus. | NEA and personal focus. | | | |
| start of the lighting project. | project. | project. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| To include; Technical drawings | To include; Completing research | To include; Development and | To include; Introduction of the | To include; Production of a range of | To include; The development and | | | |
| (isometric and orthographic), | into a chosen design movement. | Testing of materials, manufacture | coursework task. Research into a | design ideas, technical drawings of | testing of a wide range of | | | |
| Modelling with card, 3D and 2D | Producing a range of sketched | of final product, evaluation of | range of design movements, | a selection of design ideas, the | materials, processes, assembly and | | | |
| CAD, Laser cutting, nesting, resin | ideas. Producing a range of | completed product. | research into a variety of designers | manufacture of a series of | finishing methods. The beginning of the manufacture of their chosen | | | |
| and concrete casting. | technical drawings, using the knowledge and understanding | | within the movements. Identification of chosen product | modelled ideas (mock exam day) using card and other appropriate | product. | | | |
| | obtained in Year 11. Producing a | | area, and research and responses | materials. | product. | | | |
| | range of card models to allow for | | to existing products. | materials. | | | | |
| | analysis of the best design ideas. | | to existing products. | | | | | |
| | analysis of the best design ideas. | | | | | | | |
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| | | | | | | | | |
| Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | | | |
| Isometric. Orthographic | Problem, research, brief, design | Development and testing, | Problem, research, brief, design | Design Development | Development and testing, | | | |
| CAD/CAM | movement, interview, client, | manufacturing, specific material | movement, interview, client, | Prototype, 3D modelling. | manufacturing, specific material | | | |
| Design Ideas | analysis, ACCESSFM, feedback, | names and processes as required | analysis, ACCESSFM, feedback, | Final outcome. Evaluation, | names and processes as required | | | |
| Concept sketching | primary and secondary research. | by project outcomes. Prototype, 3D | primary and secondary research. | feedback, in-situ. Specific material | by project outcomes | | | |
| Presentation drawing and rendering | | modelling. Final outcome. | | names and processes as required | | | | |
| Design Development | | Evaluation, feedback, in-situ. | | by project outcomes | | | | |
| Prototype, 3D modelling, casting. | | | | | | | | |
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| | | | | | | | | |
| CIAG | CIAG | CIAG | CIAG | CIAG | CIAG | | | |
| Tolerance, accuracy, template, | Students are required to find a real | | Students are required to find a real | | Learning and understanding health | | | |
| construction lines, scale, CAD/CAM, | client who can give them an insight | | client who can give them an insight | | and safety. Learning how to use a | | | |
| offset, tutorial, technical, | into their needs and requirements, | | into their needs and requirements, | | wide range of industrial processes. | | | |
| manufacturing. | and also provide regular feedback. | | and also provide regular feedback. | | | | | |
| Theory topics above. | Theory topics above. | | Theory topics above. | | | | | |

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| Half Term 1 | Half Term 2 | Half Term 3 | Half Term 4 | Half Term 5 | Half Term 6 |
|--|---|--|---|--|--|
| NEA and personal focus. | NEA and personal focus. | Exam | Exam | Exam | Exam |
| To include; Manufacturing the final product, using a wide range of processes appropriate for their individual chosen product. | To include; Completing the manufacture of the product using a range of materials and processes. Evaluating the final product and considering the improvements that could be made for the product. | To include; Introduction of the exam task. Research into a range of design movements, research into a variety of designers within the movements. Identification of chosen product area, and research and responses to existing products. | To include; Production of a range of design ideas, technical drawings of a selection of design ideas, the manufacture of a series of modelled ideas (mock exam day) using card and other appropriate materials. | To include; The development and testing of a wide range of materials, processes, assembly and finishing methods. The beginning of the manufacture of their chosen product. | To include; Manufacturing the final product, using a wide range of processes appropriate for their individual chosen product. |
| Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas | Key Vocabulary/Concepts/Ideas |
| Development and testing, manufacturing, specific material names and processes as required by project outcomes. Prototype, 3D modelling. Final outcome. | Development and testing, manufacturing, specific material names and processes as required by project outcomes. Prototype, 3D modelling. Final outcome. Evaluation, feedback, in-situ. | Problem, research, brief, design movement, interview, client, analysis, ACCESSFM, feedback, primary and secondary research. | Design Development Prototype, 3D modelling. Final outcome. Evaluation, feedback, in-situ. Specific material names and processes as required by project outcomes | Development and testing, manufacturing, specific material names and processes as required by project outcomes | Manufacturing, specific material names and processes as required by project outcomes. Prototype, 3D modelling. Final outcome. Evaluation, feedback, in-situ. |
| CIAG | CIAG | CIAG | CIAG | CIAG | CIAG |
| Tolerance, accuracy, template, construction lines, scale, CAD/CAM, offset, tutorial, technical, manufacturing. | Learning and understanding health and safety. Learning how to use a wide range of industrial processes. Returning to speak with a specific client. | Students are required to find a real client who can give them an insight into their needs and requirements, and also provide regular feedback. | | | |