



3-D Design - Year 10



AUTUMN 1

Architecture : Portfolio

The course starts with a very structured architecture project, introducing students to a range of architects and designers. Students develop knowledge of how to analyse artist work, critically think about the work and be influenced by them. Students are encouraged to take photographs, thinking about composition, lighting and angles to support their work which helps them to make design ideas. Students are taught a range of CAD techniques from google sketch up to 2D design. Students use these drawing techniques to produce design ideas and a final digital design, influenced by their artist research.

AUTUMN 2

Continuation of Architecture / Start Landscaped Architecture: Portfolio

Students complete their architecture project and start the next part of the project, Landscaped Architecture.

Students are introduced to new designers, gain knowledge of landscape design and geographical contouring. Using CAD skills students produce a series of contour tiles, experimenting with CAM and a range of materials. Using all knowledge gained in these projects, students create design ideas by hand and on CAD for a landscaped architectural final outcome.

SPRING 1

Continuation of Landscape Architecture: Portfolio

Students develop their disciplinary knowledge exploring a range of materials to create a mixed media outcome which models students landscaped architecture final design.

SPRING 2

Lighting based on architectural research: Portfolio

Students start their final project to produce a lighting outcome, based on their architectural research. Students develop their drawing skills using perspective techniques, alongside developing their Sketch Up skills to produce a series of design ideas and a final design.

SUMMER 1

Continuation of lighting based on architectural research: Portfolio

This term the project teaches students the knowledge of different materials and their properties, construction methods and disciplinary knowledge in the workshop. Students have the opportunity to develop making skills, using a wide range of tools and equipment, alongside CAD and CAM.

SUMMER 2

Continuation of architectural inspired lighting: Portfolio

Complete architectural lighting outcome.

PRIOR LEARNING

2D Design, tools and equipment, health and safety, material properties, joining methods, generating ideas, understanding concepts of key designers.

2D Design, tools and equipment, health and safety, material properties, joining methods, generating ideas, understanding concepts of key designers.

PRIOR LEARNING

As above

As above

PRIOR LEARNING

As above

As above

Summative Assessment 1

Knowledge assessment: Sketchbooks, outcomes. Portfolio must show evidence of skills and knowledge application, drawing on learning from previous years. Component 1: Portfolio.

Summative Assessment 2

Knowledge assessment: Sketchbooks, outcomes. Portfolio must show evidence of skills and knowledge application, drawing on learning from previous years. Component 1: Portfolio.



3-D Design - Year 11



AUTUMN 1

PPE - Component 1: Portfolio.

The mock exam project builds upon skills and understanding developed in year 10 as students are given a starting point, before being guided through a number of stages allowing them to develop their own outcome. This is important preparation for the final externally set examination.

PRIOR LEARNING

Artist analysis, key designers and design movements, material properties, material selection, material experimentation 3D, hand tools and machinery, health and safety.

Summative Assessment 1

Knowledge assessment: Sketchbooks, outcomes. Portfolio must show evidence of skills and knowledge application, drawing on learning from previous years. Component 1: Portfolio.

AUTUMN 2

Continuation - PPE - Component 1: Portfolio

The mock exam project builds upon skills and understanding developed in year 10 as students are given a starting point, before being guided through a number of stages allowing them to develop their own outcome. This is important preparation for the final externally set examination.

As above

SPRING 1

Externally Set Exam Preparation - Component 2: Exam

The externally set assignment is set by AQA and provided students with a range of starting points. Students work with growing independence to fulfil the four different assessment criteria in their prep work folder. They work towards realizing their intentions in the final 10 hour 'exam' producing outcomes that are meaningful and personal to them.

PRIOR LEARNING

As above

SPRING 2

Externally Set Exam Preparation - Component 2: Exam

The externally set assignment is set by AQA and provided students with a range of starting points. Students work with growing independence to fulfil the four different assessment criteria in their prep work folder. They work towards realizing their intentions in the final 10 hour 'exam' producing outcomes that are meaningful and personal to them.

As above

Summative Assessment 2

Knowledge assessment: Sketchbooks, outcomes. Portfolio must show evidence of skills and knowledge application, drawing on learning from previous years. Component 1: Portfolio.

SUMMER 1

Final examination - sustained 10 hour session in April, following the Easter holidays.

PRIOR LEARNING

SUMMER 2



Technology:Product Design - Year 12



AUTUMN 1

Foundation Project - Design Brief - Human Form

The initial project is an exploratory project brief on Human Form. Students develop knowledge of a range of artists, designers and sculptors, and we explicitly teach them how to think critically, analyse the work of designers and understand how they can take influence from them. Students are also taught how to use a wide range of machinery, develop knowledge of materials and their properties to create a series mini artist responses.

Students continue to experiment with different materials and processes to produce a series of small outcome in response to the artists they researched.

AUTUMN 2

Component 1 – Personal Investigation

The remaining part of the course is intended to follow the exam board's requirement of an 'independently led personal project'. Students are given broad starting point of 'Structures', intended to serve as a springboard for their own ideas. They must decide on their own theme and embark on their personal journey. They are once again supported with one-to-one sessions throughout their lessons. An essay is also written to support and explain their creative journey and the artist/ crafts/design/ photographers who have inspired their work and developed their ideas. A series of personal outcomes are made throughout the two-year course.

SPRING 1

Component 1 – Personal Investigation PPE

Students are continuing to develop their own ideas, using a wide range of appropriate media and processes.

SPRING 2

Component 1 - Personal Investigation – PPE

Students are continuing to develop their own ideas, using a wide range of appropriate media and processes.

SUMMER 1

Continued - Component 1 - Personal Investigation

Students are continuing to develop their own ideas, using a wide range of appropriate media and processes to produce a final outcome that is inspired by all of their research and material testing.

SUMMER 2

Continued - Component 1 - Personal Investigation –

Students are continuing to develop their own ideas, using a wide range of appropriate media and processes.

Students are required to produce a personal study will be evidenced through critical written communication showing contextual research and understanding in a minimum 1000 words of continuous prose.

PRIOR LEARNING

Artist analysis, design movements and key designers, material properties, material experimentation 3D, tools and machinery, health and safety.

Artist analysis, design movements and key designers, material properties, material experimentation 3D, tools and machinery, health and safety.

PRIOR LEARNING

As above

Artist analysis, key designers, design movements, material properties and processes, material selection, material experimentation 3D, a range of workshop machinery, health and safety.

PRIOR LEARNING

As above

As above

Summative Assessment 1

Knowledge Assessment: Sketchbooks, Outcomes, Portfolio must show evidence of skills and knowledge application, drawing on learnign from previous years - Component 1: Portfolio.

Summative Assessment 2

Knowledge Assessment: Sketchbooks, Outcomes, Portfolio must show evidence of skills and knowledge application, drawing on learnign from previous years - Component 1: Portfolio.



Technology:Product Design - Year 13



AUTUMN 1

Continued - Component 1 - Personal Investigation.

Students are continuing to develop their own ideas, using a wide range of appropriate media and processes.

Students are required to produce a personal study will be evidenced through critical written communication showing contextual research and understanding in a minimum 1000 words of continuous prose.

AUTUMN 2

Continued - Component 1 - Personal Investigation.

Students are continuing to develop their own ideas, using a wide range of appropriate media and processes to produce a final outcome that is inspired by all of their research and material testing.

Students are required to produce a personal study will be evidenced through critical written communication showing contextual research and understanding in a minimum 1000 words of continuous prose.

SPRING 1

Continuation - Component 1 - Personal Investigation.
Externally Set Exam Preparation - Component 2: Exam

This component allows students opportunities to generate and develop ideas, research primary and contextual sources, record practical and written observations, experiment with media and processes, and refine ideas towards producing personal resolved outcome(s) in response to an externally set theme.

SPRING 2

Externally Set Exam Preparation - Component 2: Exam.

This component allows students opportunities to generate and develop ideas, research primary and contextual sources, record practical and written observations, experiment with media and processes, and refine ideas towards producing personal resolved outcome(s) in response to an externally set theme.

SUMMER 1

April - Sustained supervised 'exam' session which is spread over three days (15 hours).

SUMMER 2

Continuation- Component 1: Personal Investigation

PRIOR LEARNING

Artist analysis, key designers and design movements, material properties and processes, material selection. material experimentation 3D, a range of workshop machinery, health and safety.

Artist analysis, key designers and design movements, material properties and processes, material selection. material experimentation 3D, a range of workshop machinery, health and safety.

PRIOR LEARNING

As above

As above

PRIOR LEARNING

Summative Assessment 1

Knowledge Assessment: Sketchbook, Outcomes, Portfolios must show evidence of skills and knowledge application, drawing on learning from previous years - Component 1: Portfolio.

Summative Assessment 2

Knowledge Assessment: Externally Set Exam Preparation, Component 2: Exam.