



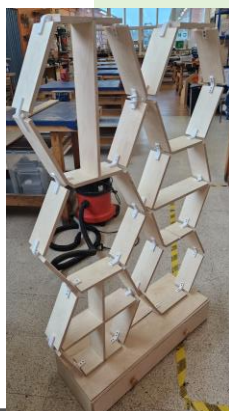
THOMAS ALLEYNE'S HIGH SCHOOL

LEARNING JOURNEY

6TH FORM



MAY Y11



From January through to May (of Y11)
All students begin manufacture of their final working prototype. Products are made to a high quality standard using a wide variety of materials, tools and automated machinery. This can include laser cutting, CNC routing and 3D printed components.



JAN Y11



Models are used to test students ideas and feedback is gained from clients allowing development to flow into the final design stage. This includes a production plan, final isometric drawing and working drawing ready to begin manufacture of the final working prototype.

CEIAG 6th Form interviews take place Jan of Y11

POST-16 PATHWAY

College/Apprenticeships



Final Exam

A detailed Design Brief and Specification are justified by research carried out are created which will then drive Initial Ideas forward.

Final Working Prototype completed.



A wide range of sketches are produced and compared to Specification. Feedback is given from clients and then improvements are identified.

Manufacturing of Final Product begins



All students create a variety of models based on their ideas and client feedback. An iterative design approach allows students to be creative, innovative and experiment with a wide range of processing techniques.

Modelling & development

Mock Exam

In Nov/ December of Y11, students will complete a 10 hour mock exam where they produce a final piece of their own design in response to all of their favoured media and approaches from throughout the course

Year 11

Research tasks and Analysis of information

Students begin their GCSE NEA Work by investigating a range of possible scenarios released by the exam board. Students are free to interpret these any way they see relevant. Analysis of existing products, surveys, mood boards and contextual research make up the majority of this section. This allows students to identify needs and wants by the user.



Specification



Students learn new skills through small projects incorporating a wide range of tools, equipment and machinery. CAD is used to aid development of ideas and produce high quality working products.

Sketching and development of Ideas



Investigation of suitable Products

NEA WORK begins... (50% of grade)

Developing key skills and confidence

Year 10

Designing, developing and modelling allow students to explore, experiment and learn about new materials. How they can be processed, manipulated and finished to a high quality standard.



Students learn to use and incorporate a CAD package within Graphic Products to develop Corporate Image Ideas and produce sustainable bags for the Café.

Y9 CEIAG interviews. Students select option subjects

Students will complete Year 9 having experienced a wide range of skills within all three areas studied.

Development and Prototypes

Final pieces

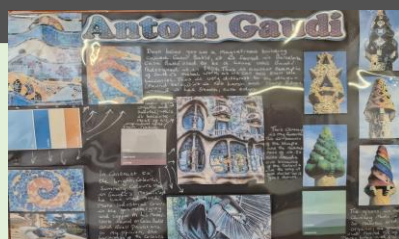
Students will learn key practical skills and Health & Safety within the workshop through a Focussed Practical Task. An introduction into Healthy eating and the importance of having a Healthy Nutritious and Balanced diet.

Students conduct a series of experiments within the kitchen using a wide range of equipment and ingredients. High level skills such as producing roux sauce and choux pastry challenge and develop the students' capabilities within a working kitchen environment.



Home Learning Projects

Students spend one term studying Resistant Materials, then the second term studying Graphic Products and the third term studying Food Preparation & Nutrition. This will rotate throughout the year



WELCOME

Year 9

Y8 Taster Sessions / Transition days

Students will begin their Design & Technology learning journey by following a carousel of 3 subject areas. These include Resistant Materials, Graphic Products and Food Preparation & Nutrition