



AQA A-LEVEL PRODUCT DESIGN

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Is Product Design A-Level for me?



PREFERRED GRADES
DT GRADE 5+
MATH GRADE 5+
AQA EXAM BOARD



COURSE CONTENT
50% COURSEWORK (NEA)
50% EXAM (2 PAPERS)
PAPER 1: TECHNICAL PRINCIPLES (2.5 HRS)
PAPER 2: DESIGN AND MAKE PRINCIPLES (1.5 HRS)
15% OF EXAM IS MATH BASED



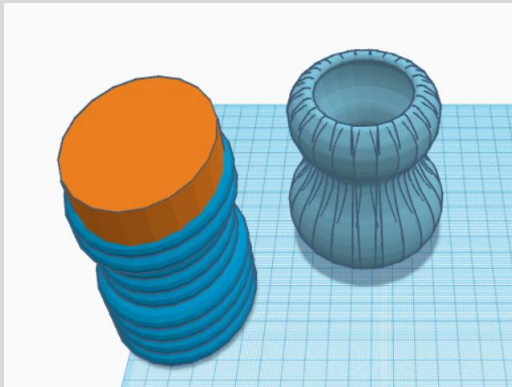
SKILLS:
ORGANIZATION
CREATIVITY
INDEPENDENCE
COMMITMENT

What will I Learn?

- Theory based lesson include knowledge of:
 - Practical manufacturing skills both first-hand in the workshop and industry-based processes through videos and potentially site visits.
 - Design communication skills such as 2D and 3D drawing, CAD. As well as Oracy skills to present your designs and the use of modelling techniques.
 - Design theory, understanding how designers of the past influence us today and how they work in collaboration across various industries including graphics, architecture, furniture and product design.
 - Technology: how has it evolved and changed over time and what current technology is being used In schools and industry.
 - Material properties, applications and uses.
 - Sustainability and the environmental impact of materials and industrial processes.
- Practical skills:
 - Y12: Developing practical skills in papers and boards, woods, metals and plastics through mini projects and skills-based exercises.
 - Y13: Working with woods, metals, plastics, papers and boards to generate prototypes and developments for their NEA

Example current Y12 work

Modelling



Tool box



Try square

Example Y13 NEA work



What will I need?



LARGE CLIP FILE
WRITING AND
DRAWING
EQUIPMENT
AQA TEXTBOOK

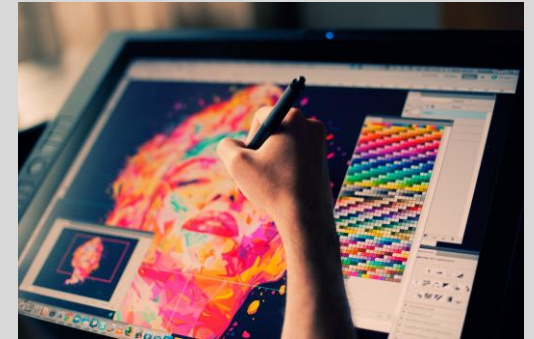
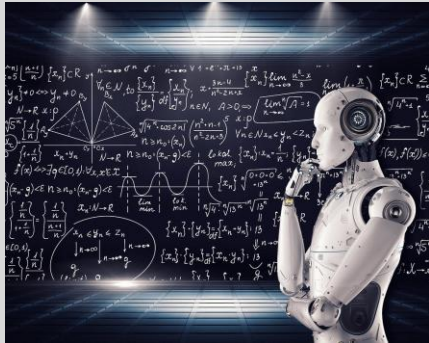


A PASSION FOR
DESIGNING AND
WORKING TO SOLVE
PROBLEMS WITH
PEOPLE

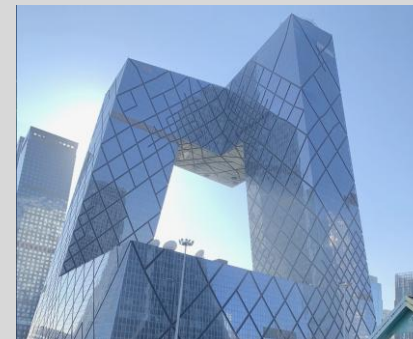


ABILITY TO MEET
DEADLINES AND
WORK
INDEPENDENTLY AT
TIMES.

Where could this course lead?



The sky is NOT the limit!



Any questions?

- Key facts
- GCSE DT Grade 5+ including math's
- 50% NEA 50% Exam (2 papers) 15% of exam is math's-based questions.
- Skills: Organization, creativity, independent and commitment with a passion for designing, communication, problem solving and meeting deadlines.
- What will I do: Theory and practical based learning plus Math lessons once a week
- Where might it lead: University, Jobs or further training e.g. apprenticeship.

Local courses:

- Derby university: BCS in Product design, BA hons in Graphic design, BA hons in Illustration, BA hons in interior design, BA hons in interior architecture.
- Loughborough university: BA Hons in Design, BA Hons in Industrial design, BSC in product design.
- Nottingham: BEng in product design and manufacture, BEng in Architectural environment engineering