



# 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



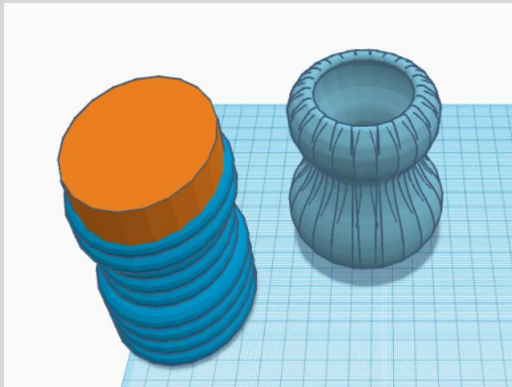
SKILLS:  
ORGANIZATION  
CREATIVITY  
INDEPENDENCE  
COMMITMENT

# 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

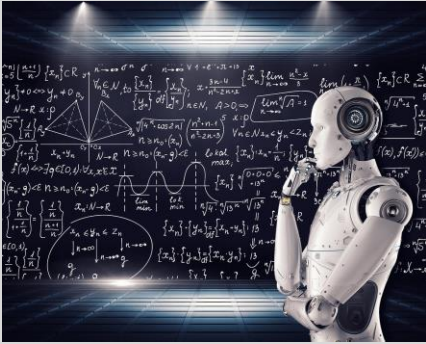


A PASSION FOR  
DESIGNING AND  
WORKING TO SOLVE  
PROBLEMS WITH  
PEOPLE

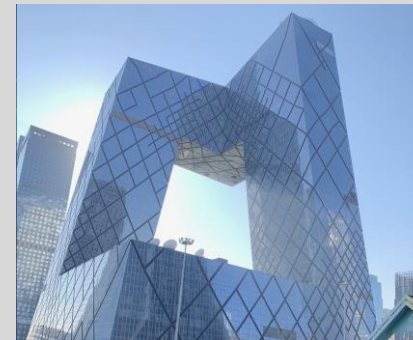
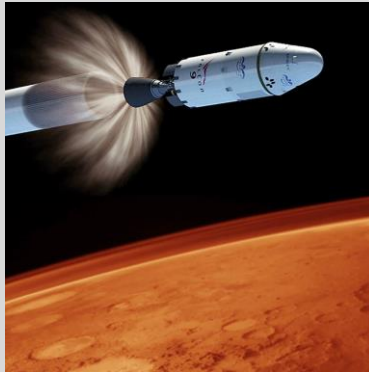


ABILITY TO MEET  
DEADLINES AND  
WORK  
INDEPENDENTLY AT  
TIMES.

# 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