



**ALEC REED  
ACADEMY**  
PROUD TO LEARN

# Design and Technology A LEVEL

## Course Description

AS/Advanced Level Design and Technology Product Design at ARA aims to give students a broad view of design and manufacturing by developing your capability to design

and make products and understand the complex relations between design, materials, manufacture and marketing.

It provides students with the opportunity to design and make a product using the department's outstanding facilities including fully equipped metal and wood working workshops and a state-of-the-art CAD/CAM suite.

Results are consistently above the national average, and the department have enjoyed a 100% pass rate since establishing the course over 8 years ago. This year we received an unprecedented number of applicants, both ARA students and those from other boroughs or local schools, undoubtedly as a result of our enviable reputation and unparalleled facilities.

The structure of the course is both practical and theoretical and allows students a huge degree of flexibility and choice in deciding what to design and make. Furniture, children's toys, disability aids and electronic products have all been produced in the past; your final product is only limited by your imagination!

The D&T Product Design will help you to develop a number of skills:

- How to think creatively and logically
- How to investigate and deduce
- How to discuss and talk about complex issues clearly
- How to work as a team to achieve results
- How to take responsibility for your own learning



## Scheme of Assessment

Practical assessment accounts for 50% of the overall grade, with the remaining 50% attained through an exam at the end of the course. The AS component accounts for 40% of the overall A Level grade.

## Examining Body: AQA

### Entry Requirements:

*5 GCSEs 9 - 5 including a grade 6 in D&T*

## What equipment or materials do I need?

Pens, pencils, colouring pencils, rubber, ruler, stencil.

## Career Progression

Product Design could take you into a number of exciting career paths, for example product or automotive design, architecture or engineering.

"Design and Technology provides you with the opportunity to be creative whilst simultaneously improving your problem solving skills"

**Proud to Learn Respect Honesty Kindness**