Stratton School

Design and Technology

Curriculum Journey 2024 - 2025

Year 13

- A level NEA AO1 Identify, investigate & outline design possibilities
- A Level NEA A02 Design & make prototypes that are fit for purpose
- A Level NEA A02 Design & make prototypes that are fit for purpose
- A Level NEA A03 Analyse & evaluate
- Core content revision
- Final exams

Year 12

- Start AQA NEA AO1 Identify, investigate & outline design possibilities
- Mock A level NEA
- Using and working with materials (timbers, boards, polymers, textiles)
- Digital design & manufacture—CAD & CAM
- Design and Make—illumination using upcycling
- Research & communication techniques

Year 11

- GCSE NEA—Design brief/ criteria & Design ideas
- GCSE NEA—Developing ideas
- GCSE NEA—Realising ideas
- GCSE NEA—Analysing & evaluating
- Core content revision
- Final exams

Year 10

- Start for NEA—Identifying & investigating design possibilities
- Mock NEA—Postable/product in a tin
- Design and make project with timbers/boards/ polymers
- Skills matrix—workshop tools, progress and skills
- Understanding contexts—assessing the needs of others
- Drawing & sketching 3D and formal drawing techniques

Year 9

- Paper & boards—Investigating materials (Theory)
- Hospitality and Catering—Developing preparation and practical skills
- Textiles—Biomimicry and bag design
- Reserve Engineering through modelling
- Mood light—introducing electronic
- Drawing and sketching—3D drawing techniques

Year 8

- Drawing and sketching—3D drawing techniques
- Mood light—introducing electronic
- Reverse Engineering through modelling
- Textiles—Biomimicry and bag design
- Hospitality and Catering—Developing preparation and practical skills
- Papers and board—Investigating materials (Theory)

Year 7

- Scrap heap challenge–working with timbers
- Hospitality and Catering—Introduction to Catering
- Textiles—Upcycling Denim & decorative textiles
- CAD—designing using the computer (2D Design—Sketchup)
- Working with Polymers—6Rs
- CAM—3D printing and laser cutting

Feeder Schools

- **Transition project**
- **Year 6 curriculum**