TOWNLEY GRAMMAR SCHOOL | LEARNING JOURNEY

Design & Technology

YEAR 13

- Start a degree at University
- Start a degree level apprenticeship
- Take a gap year, travel the world and embrace new cultures
- Consider summer internship and voluntary work to enhance your learning
- Attend the Y13 Leavers' Ball
- Revise for and sit you're A Level exams
- Hand in your NEA
- Refine and perfect your final product
- Revise for and complete your Y13 mock exams
- Continue to read around the subject and complete your Theory work
- Continue to work on your NEA
- Apply for University through UCAS or alternative post 18 courses
- Write a CV and personal statement

YEAR 12

- Become a Sixth Form Mentor and a Subject Ambassador
- Start your NEA
- Trip to BlueWater
- Support the school's Open Day
- Revise and complete your Y12 mock exams
- Support the Sixth Form Open Evening
- Travel to NYC
- Complete H&S course on the Machines
- Visit a university and become inspired and informed
- Participate in National Careers and Apprenticeship week
- Secure a part time job or work experience

YEAR 11

- Attend year 12 Taster Day
- Revise for and sit your actual GCSEs to give yourself a competitive edge in life
- Moderation Day For your NEA
- Hand in your NEA
- Sign up for the NCS challenge
- Write a CV and attend a mock interview with a local employer
- Attend St Mary's sixth form taster day
- Revise for and sit your Y11 mock exams.
- Continue your NEA
- Continue Learning and Revising the Theory Content
- Start your GCSE NEA

YEAR 10

- Options Evening Choose DT and Engineering
- Metals – Pewter, Casting, Files. Tools, equipment and processes.
- STEM day – Inspiring the Future
- Timbers - manufactured timbers, Hand held tools & creating moulds
- CAD & CAM: SolidWorks 3D Printers 2D Design Circuit Wizard
- Graphics: 2 Point Per. Rending, Tone & Hue
- Start your Mock NEA Folder
- Study the Theory side of the subject
- Start your Mock NEA Make
- Hand in your Mock NEA folder and make
- Sit your YR10 Mock GCSE paper.

YEAR 9

- Electronics – Programme Micro Chips
- STEM Day - Mission to Mars.
- Electronics - Systems approach to designing, Inputs, Processes, Outputs.
- Graphics: Exploded. Rending, Tone & Hue
- Timbers - Natural and manufactured timbers, Hand held tools power tools, Joints and Finishing
- Developing your presentation Skill, During the Lego Project
- CAD & CAM: Laser cutter, 2D Design
- Mechanical Systems: Movement, Levers, Linkages & Rotary systems
- Composite Materials: Ply Wood

YEAR 8

- STEM Day - 3D Doddlers, Rapid Prototyping.
- Electronics - Systems approach to designing, Inputs, Processes, Outputs.
- Graphics: Isometric, 3D Sketching
- Modelling and Prototyping: New materials, Modern materials, Smart materials, Foam, Papers and boards, Rapid Prototyping.
- CAD & CAM: Laser cutter, 2D Design
- Polymers – Acrylic, Hips (Vacuum Forming), Rapid Prototyping. & Line Bending
- Metals - Metals and alloys Rivets, Files, tools, processes, Joining and assembly
- Timbers - Natural and manufactured timbers, Hand held tools and power tools.

YEAR 7

- Learn about the enjoyment of KS2 DT

PRIMARY SCHOOL

TOWNLEY GRAMMAR SCHOOL

From here it's possible

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