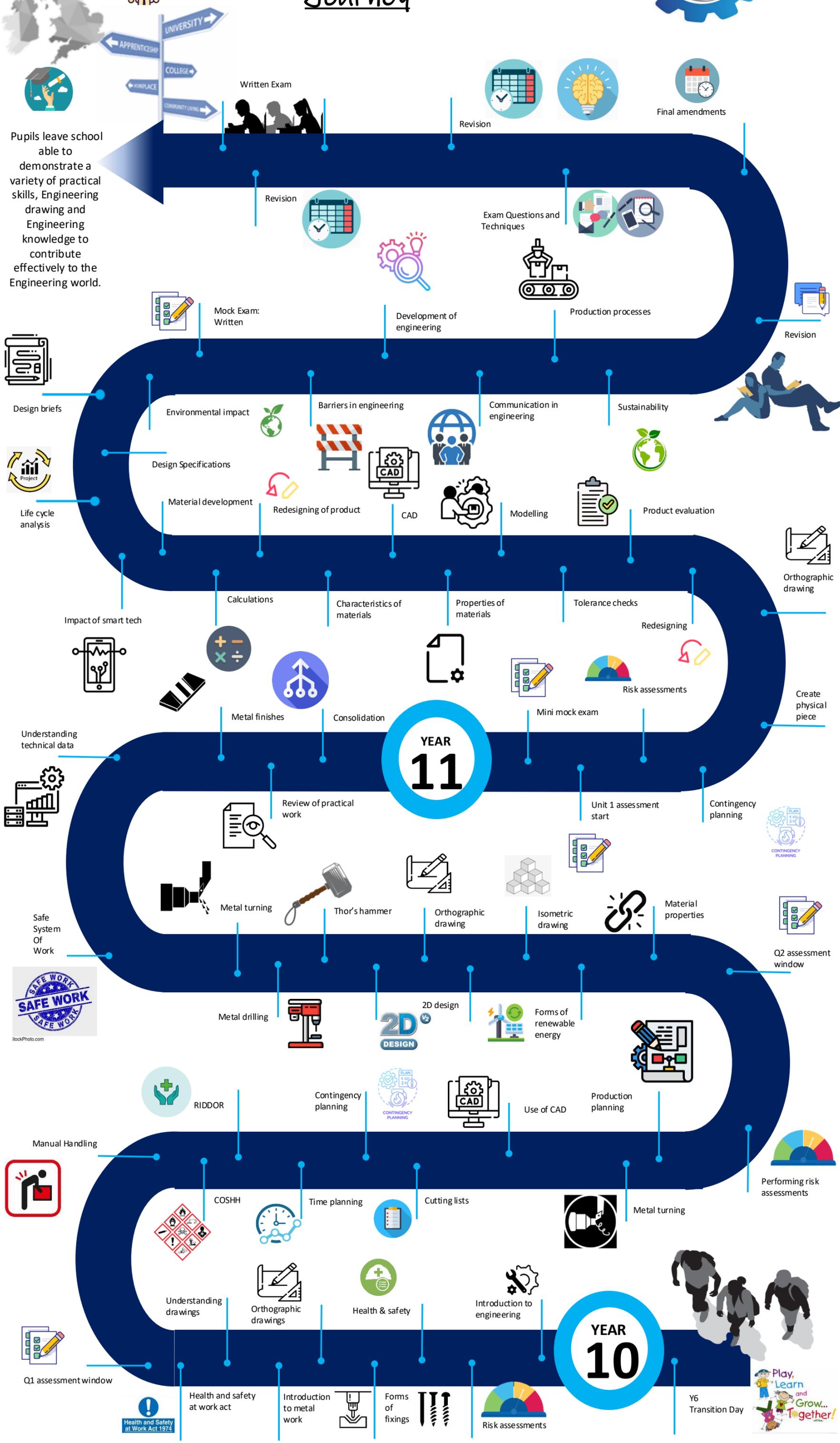


Engineering Learning Journey



Pupils leave school able to demonstrate a variety of practical skills, Engineering drawing and Engineering knowledge to contribute effectively to the Engineering world.



YEAR 11

YEAR 10

- Written Exam
- Revision
- Final amendments
- Revision
- Exam Questions and Techniques
- Production processes
- Revision
- Development of engineering
- Production processes
- Design briefs
- Environmental impact
- Barriers in engineering
- Communication in engineering
- Sustainability
- Design Specifications
- Material development
- Redesigning of product
- CAD
- Modelling
- Product evaluation
- Life cycle analysis
- Calculations
- Characteristics of materials
- Properties of materials
- Tolerance checks
- Redesigning
- Orthographic drawing
- Impact of smart tech
- Metal finishes
- Consolidation
- Mini mock exam
- Risk assessments
- Create physical piece
- Understanding technical data
- Review of practical work
- Unit 1 assessment start
- Contingency planning
- Safe System Of Work
- Metal turning
- Thor's hammer
- Orthographic drawing
- Isometric drawing
- Material properties
- Q2 assessment window
- Metal drilling
- 2D design
- Forms of renewable energy
- RIDDOR
- Contingency planning
- Use of CAD
- Production planning
- Manual Handling
- COSHH
- Time planning
- Cutting lists
- Metal turning
- Performing risk assessments
- Understanding drawings
- Orthographic drawings
- Health & safety
- Introduction to engineering
- Q1 assessment window
- Health and safety at work act
- Introduction to metal work
- Forms of fixings
- Risk assessments
- Y6 Transition Day

