



Tollbar MAT
Family of Academies



Tollbar Academy

Technology

Overview

Through our experienced Technology Faculty staff, we deliver Resistant Materials and Textiles specialisms. Our classrooms and workshops are well equipped to deliver our engaging Schemes of Work and prepare our pupils with skills and knowledge for the future. Within our schemes of work, we educate our pupils about the importance of sustainability, protection of the environment and the need for sustainable design.

Y7	Introduction to the specialisms and the design process. Pupils work on projects that introduce them to a range of topics and basic equipment – both traditional hand tools and machinery. We build up their knowledge by investigating different materials and encourage them to apply this knowledge when creating their ideas for their projects.
Y8	Y8 projects take our pupils towards the next level. Continuing to develop knowledge of processes learnt in Y7 and learning more complex techniques. The theory knowledge taught alongside their projects in Y8 helps to prepare our pupils in readiness for GCSE content.
Y9 & 10	Once pupils have chosen to continue their Technology pathway through either Resistant Materials or Textiles at KS4, our pupils work through a series of projects that build on prior knowledge gained at KS3 and expose them to a range of more technical processes at a greater depth. These projects equip our pupils with the necessary skills to cope with coursework and enable them to learn and develop skills that are useful in a place of work, such as problem solving, working with others, time management and working to deadlines.
Y11	From the end of Y10 and through into Y11, the focus is coursework and revision – applying all gained knowledge to complete the final project comprising of a wealth of written research and analysis, design and a final prototype.



Intent

The intent of our curriculum is to develop and prepare our pupils for a realistic view of the working world within our own specialisms, yet acknowledging the links to other subject areas. This allows our pupils to become well-rounded, educated and prepared individuals in the hope that they use those skills to access better life opportunities that are not restricted to the local area.

Implementation

By keeping up to date with the latest developments in the Technology Industry, our schemes of work are engaging and challenging. We regularly reflect on and review our projects to ensure that they remain relevant to the modern world and our pupils' needs.

Our experienced teachers deliver the content of our schemes of work through a range of techniques, allowing all pupils to access the content in a logical way. Our pupils have access to differentiated learning where all abilities are catered for.

Impact

Over time, pupils develop a range of skills – practical, theoretical, analytical - that can be used from project to project, building on and using prior knowledge; gaining experience of processes that can be used to potentially inspire career goals and pathways. Our pupils leave us with a wealth of key skills that can be applied to everyday situations and workplace scenarios.