

Curriculum Intent

Resistant Materials Department Vision

Design and Technology is an inspiring, rigorous, and practical subject. Using creativity and imagination, pupils *design* and make products that solve real and relevant problems, within a variety of contexts, considering their own and others' needs, wants and values. To achieve our aims, we ensure that the planned activities our children undertake are challenging, motivating, relevant, safe, and enjoyable. We give children confidence in their work by providing continual support and encouragement. The children are challenged in their work in a way which develops their creative skills. The children are provided with the very best resources possible, while constantly reviewing this provision in the light of curriculum changes.

All students at every stage of their Design and Technology curriculum are encouraged, supported, and motivated to achieve and with a focus on our school values share in the successes that this subject can bring. Using all planned opportunities our students are encouraged to develop a wider understanding of the subject and how the Principles of Design will have an impact on their future. At an early stage through their design booklets in Year 7, 8 and 9 students are presented with the careers opportunities that this subject can offer. In Year 10 and 11 core focussed information is provided especially around college interviews and courses that are available following their GCSE.

For all our students we provide a curriculum that has a breadth of opportunities to succeed and through planned design and make activities students will develop a love of learning as they engage in new opportunities to succeed. As a department we have responded to the pandemic developing a curriculum at KS3 that now supports a three-year programme allowing students to engage in a practical environment working creatively with resistant materials. For Year 9 the department has developed a challenging carousel programme seeing the students for approximately 10 weeks per cycle. For the students their will, be a focus on developing their practical skills, blending with the KS4 OCR curriculum, and highlighting the rewards of developing this subject as a career.

Given the successes of the last four years the department will continue to develop the OCR programme Principles of Design Technology J310 course. This provides the students with a knowledge rich curriculum covering a wide spectrum of design and make skills. Given the start date for their final assignment is in Year 10 on June 1st careful consideration for the first two design assignments has been planned to ensure that by the start of the exam assignment they are prepared, confident and knowledgeable about the expectations for the final assignment.