

## Curriculum Statement of Intent

### Design and Technology

#### Purpose of study

Design and technology at Shirebrook Academy has been developed with the 'DT learner' in mind, ensuring that students possess the key pieces of knowledge, skills and understanding as the foundation for lifelong success.

Throughout KS3 we focus on the following criteria to ensure that our students, whatever their next steps, are prepared for the wider world. In our projects we **research/investigate** a brief, drawing conclusions that inform our action planning. We teach students how to work **safely** in all of our different settings. Students are encouraged to **design** and **make** original and creative products and **evaluate** the suitability of their products and that of others. In all of our areas **technical knowledge** underpins all of our learning.

By focussing on these key areas students develop skills for life as well as the foundations for them to succeed at GCSE and beyond into apprenticeships, specialist college courses, university and the world of work.

Subject specific practical skills are developed utilising a spiral approach, ensuring practical skills and knowledge are retrieved and built upon annually.

Food, preparation and nutrition enthuses and educates students about nutrition & diet, cooking and hospitality - providing a recipe for further study, long term ambitions within the industry or skills and knowledge for use in their own homes. Through food preparation and nutrition students learn to plan and cook nutritious meals and develop understanding of others beliefs, cultures, intolerances and allergies.

Textiles provides opportunities for a creative outlet and an understanding of the textiles industry; incorporating scientific knowledge with design and practical skills from sewing on a button and garment construction to surface decoration techniques in creating a piece of art work.

DT: Timbers and papers & boards enable students to problem solve, design and make products gaining a greater understanding of the world, with concepts such as sustainability, mechanisms, fair trade and the origin of materials underpinning their learning.