

## **Subject: Design and Technology (Textiles)**

### **Curriculum Intent**

The Design and Technology (Textiles) curriculum develops a comprehensive skill set and knowledge base, preparing Riverside students for a dynamic and evolving industry. It is designed to ensure students are empowered to become innovative and responsible professionals capable of making meaningful contributions to the world of the clothing/ apparel industry and beyond. Students are immersed in an engaging and interactive process of designing and making and over time the curriculum is structured to become more challenging and detailed. The study of Design and Technology for Riverside students opens doors to a wide range of career opportunities in both domestic and industrial contexts. They learn about roles that span diverse sectors including home, health, leisure, cultural industries, and the fashion industry, providing a comprehensive view of potential career paths. Through this program, students develop crucial life skills that go beyond the classroom and are applicable in real-world scenarios. These competencies are invaluable for personal development and professional success, enabling students to tackle complex challenges with confidence and creativity.

### **Year 7 Topics**

- Textiles and workroom safety.
- Types of fibres.
- Innovative textile materials.
- Material finishes and garment construction: functionality and aesthetics.
- Project: Students create an ugly toy that demonstrates their understanding of concepts learnt.

### **Year 8 Topics**

- Smart materials.
- New and emerging technology in textiles.
- Factors influencing the selection of materials and manufacturing processes.
- Project: Students create a reading cushion that demonstrates their understanding of concepts learnt.

### **Year 9 Topics**

- Modern materials.
- Works of past and present professionals and companies.
- Specialist techniques for shaping and constructing prototypes.
- Design briefs and specifications based on human needs and interests.
- Project: Students create a bag that demonstrates their understanding of concepts learnt.

### **Future KS4 Curriculum**

### **GCSE Specification Details and Assessment:**

WJEC GCSE Design and Technology

[https://www.wjec.co.uk/qualifications/design-and-technology-gcse/#tab\\_keydocuments](https://www.wjec.co.uk/qualifications/design-and-technology-gcse/#tab_keydocuments)