

# KS4 – Technical Award Engineering

## Component 1

### **Exploring Engineering Sectors and Design Applications.**

Get to know industry sectors, how they work together to solve real life problems, and apply related skills within project work.

- **Engineering sector**
- **Bottle crusher**
- **Car stand**

Report and CAD design project

## Component 2

### **Investigating an Engineering Project.**

Explore the types of materials, components and processes used to make products, then reproduce a test product.

- **Bike brake**
- **Bike multi tool**
- **Bike spanner**

Product investigation and practical project

## Component 3

### **Responding to an Engineering Brief.**

Investigate and provide solutions to real-life problems and test knowledge and understanding from Component 1 and Component 2.

- **2 exams**

Theory lessons and written assessments

