

# DT – SYSTEMS AND CONTROL

## WHAT WILL BE COVERED DURING THE COURSE?

- Building on knowledge of electronics and programmable components.
- Understanding mechanisms.
- Developing CAD skills.
- Understanding CAM.
- Using the laser cutter.
- Learning about famous product designers.
- Improving practical skills.
- Learn how to produce an A3 design folio.

## WHAT SKILLS WILL BE DEVELOPED OVER THE YEAR?

- Independent, resilient, and inquisitive learning.
- Investigating and evaluating.
- Creative and iterative design work.
- Presentation skills including pitching ideas.
- Making quality products using electronics kits and the laser cutter.
- Teamwork.
- Manufacturing in a safe environment.
- Understanding of environmental and sustainable issues.
- Economic awareness knowing where products sit in the market.
- Important life skills.

## WHERE WILL THIS COURSE LEAD ME?

It would be an advantage and good preparation for doing Design Technology at GCSE and further ahead at A-Level product design – with a view to careers in a huge range of design, manufacturing and engineering career routes.

