Year 7

Subject	Design and Technology

Intent for the Year

In year 7 D&T covers a wide range of technologies – from traditional woodworking to high tech CAD/CAM and Electronics.

Pupils at Key Stage 3 follow the National Curriculum Programme of Study, which provides a broad background framework for all we do in Year 7, Year 8 and Year 9. Pupils work in well-equipped workshops and computer suites carrying out a range of design-and-make activities and focused practical tasks.

Our curriculum is designed to encourage creativity, develop problem solving abilities and a general enthusiasm for designing and making – by ensuring we work with a wide range of materials in a variety of different contexts. Pupils are also encouraged to reflect on the wider impact of D&T – for example, the sustainability of the materials they work with.

Open-ended design tasks are often used to allow for maximum extension/challenge and maximum progress. Support is also given to enable all to engage, feel confident and achieve.

Topics Covered

Steady hand game: Simple Electronic Circuits - Origins of plastics, electronic components and ergonomics.
Amplifier: Origins of wood & manufactured boards, technical drawing/ dimensioning. Health and safety
Block heads: Origins of paper &boards- Technical drawings and CAD

Parents/Carers can help by…

- Talking to your child about the topics studied in class
- Encouraging to complete homework tasks
- Bring the correct equipment including: protractor, calculator and a sharp pencil
- Do some DIY or craft at home with them!

Useful Websites

https://www.technologystudent.com/

https://www.bbc.co.uk/bitesize

allsaints.dorset.sch.uk- Resources -Year 7-D&T

Recommended Reading

Book Title	Author	Brief Reasoning
Make Electronics (3rd Ed)	**Charles Platt**	**Comes highly recommended**
How things Work	**Conrad Mason**	**A fun and interactive way of learning**
All-New woodworking for kids	**Kevin McGuire**	**Practical projects you can make at home**