

Design and Technology

Statement of Intent

Design and Technology education makes a unique and valuable contribution to the education and preparation for students' future lives for work and or leisure. Our Design and Technology curriculum is embedded within our broader STEAM curriculum and provides a broad and balanced range of opportunities to work with a wide range of materials, to develop new skills, experience new technologies and gain new knowledge. Open ended projects allow students to use their imaginations, express their feelings and problem solve as they work towards quality outcomes.

Our Design & Technology curriculum will give the students an opportunity:

- To build up creativity, problem solving, planning, practical and evaluation skills to become independent and resourceful;
- To enable students to feel safe and confident in their learning environment to take risks and learn from mistakes;
- To foster a culture of 'design critique' to produce quality outcomes via peer and group work, respecting other students' opinions;
- To develop resilience when understanding the developments in design and technology, its impact and effect of products on individuals, society and the environment, and the responsibilities of designers, engineers and technologists;
- To enjoy learning in a practical manner having experienced the best possible engaging and challenging lessons which foster and promote interests for later life;
- To support the development of good health and well-being of our students;
- To learn the basics of nutrition and a healthy balanced diet, understand where the food we eat comes from, be able to make informed healthy choices and enjoy the cultural diversity of dishes that International cuisine offers;
- To acquire relevant knowledge from other subjects and apply them to produce successful outcomes;
- To prepare pupils for the next stage of their education by encouraging and inspiring students who wish to take on further study, from selecting this as an option at GCSE, A level, university and the world of work

2022 – Nishkam destinations in design and STEAM degrees	
<u>Provider name</u>	<u>Course placed</u>
Coventry University	Computer Science
Aston University, Birmingham	Computer Science
University of Birmingham	Computer Science
Birmingham City University	Construction Management with Professional Placement Year
University of Birmingham	Computer Science
Aston University, Birmingham	Cyber Security
University of Birmingham	Artificial Intelligence and Computer Science (with an Industrial Year)
Aston University, Birmingham	Computer Science

Aston University, Birmingham	Cyber Security
University of Nottingham	Aerospace Engineering
Aston University, Birmingham	Engineering and Applied Science Foundation Programme
University of Birmingham	Aerospace Engineering
Aston University, Birmingham	Computer Science with Business (ITMB)
Aston University, Birmingham	Biomedical Engineering
Aston University, Birmingham	Computer Science
University of Birmingham	Computer Science with an Industrial Year
University of Nottingham	Mechanical Engineering