

Curriculum Ambition – Technology

It is our ambition in Technology to ensure that all students value and enjoy the practical and academic nature of the subject.

Careers in Technology shape the world around us from the car that you drive to the clothes that you wear, we aim to prepare all students for the most innovative and exciting career opportunities in design, technology, food and fashion.

In Technology our ambition is to create a broad curriculum enabling all students to learn about the design process and actively contribute to the creativity, culture and well being of themselves, their community and wider society.

We aim to equip students with the confidence to solve design problems and give them the knowledge to design products that are useful, functional and aesthetically pleasing. Students will develop an understanding of how design can have an impact on the environment and how it could improve stakeholder's lives.

In technology we continually set high expectations and levels of challenge for all learners. This will enable all students to acquire the in-depth knowledge and skills required to achieve outstanding outcomes for every Key Stage.

We pride ourselves on excellent examination results which allow the learners to embark on their next steps. Alongside this we develop students to become resourceful, innovative, enterprising, capable young people within our society.

We believe that students potential can be unlocked and maximised by delivering the different areas of the subject using teachers who have strong subject specialisms. This then allows for enthusiasm and the delivery of skills and knowledge to the students.

Within Technology we strive to make explicit links with other areas of the curriculum, and enable our students the transferrable skills and knowledge with other subjects.

It is our ambition that Literacy and numeracy play an important role in Technology. All staff continually develop student's knowledge and use of subject specific terminology through the teaching of Tier 3 language.

It is our intent that the Technology curriculum is designed and built around a strong understanding of cognitive science. Our Schemes of work are continually reviewed and developed. They are being created by planning backwards from clear end points. Prior learning is understood by teachers and students to be necessary to enable future learning and therefore retrieval practice and interleaving are key features of the Technology curriculum at Downlands.