

Computer Science at Turing House School



We are very fortunate to have passionate, skilled, and dedicated Computer Science teachers with a broad range of interests and a wealth of teaching experience. It is a very highly regarded department within the school and within our Trust (RET).

The mission of our Computer Science department is to help every child fall in love with the subject and succeed, not only in public examinations, but also in building the skills they need for their futures. We also aim to uphold the Alan Turing legacy who was a pioneer in the field of computer science, cryptanalysis and logic.

Data and digital technologies promise revolutionary transformational changes across the full range of industry sectors and spheres of life. This unprecedented digital revolution will impact everyone. It will have extraordinary implications on the range of skills that today's young people will require in every aspect of their lives. Computing education must enable young people to continue to keep up with the pace of technological change so that they can remain effective, well-informed, and safe citizens.



Year 10 MicroPython



Year 9 micro:bits



Our schemes of work are designed to expose students to a wide range of digital skills - ranging from soft skills such as Word processing and presentation, iDEA Certificate, to digital skills such as graphics animation and web authoring; and programming skills -ranging from block programming in scratch, micro:bits and Kodu to text programming in Small basic and python. This sets a solid foundation for the skills students need at GCSE and A-Level, where we teach the OCR specification.

We regularly run competitions: Bebras, OUCC, and the "by design Robotics Challenge". Here at Turing House School, students regularly engage in physical computing both in class and in additional extracurricular activities such as STEM Club.



Robot Challenges in STEM Club