ICT & Computer Science Department
CAREERS EDUCATION, INFORMATION & GUIDANCE

Careers opportunities in ICT & Computer Science

Beyond the expertise found in the classroom, pupils have the opportunity to:

- Attend Computing Club where a diverse range of STEM activities and events are celebrated.
- Take part in the STEM careers fair annually held in school
- Attend trips and visits and experience the technology whilst there.
- Pupils are exposed to language and practices of the ICT & Tech industry in class
- BAME Computer Scientists are highlighted and celebrated via displays in the ICT Department & posters around the school.
- There are plans to visit BAE Systems virtually via a video – (in development).
- Pupils research careers as part of HW tasks in Yr 8 and 9 and also in National careers Week.

Year Group	Activity	Outcome
Years 7 - 11	**Computing Career focused starters**	To highlight possible career opportunities that are available in Computing/ICT.
Year 8	**CyberFirst Girl's coding competition**	To focus on STEM opportunities for girls including GCHQ. Programme of opportunities to help young people explore their passion for tech by introducing them to the world of cyber security.
Years 9 - 11	**Alan Turing Cryptography Competition – University of Manchester**	To focus on STEM opportunities and careers in Computer Science /Maths
All	**Computing career focused lesson Talk from former pupil working as a lecturer at UCLAN**	To highlight possible career opportunities that are available in Computing/ICT.
Year 10 & 11	**UCLAN cyber security event**	To gain hands-on experience in the role of an ethical hacker, a chief security officer, and a mobile phone investigator and experience what Cyber Security involves.

All	**A homework in National Careers Week linked: Pupils will create a presentation in creative format of their choice, on a career linked to our field.**	Pupils have the opportunity do investigate a career in depth, looking at; Entry details, salary, job description, career prospects, skills required.
All	**A lesson in National Careers Week focussing on careers in our field.**	Pupils are aware of what careers are available in our field and pathways to get there. The classroom display is highlighted as a continual reference point. Pupils are reminded of our Careers Advisor Pupils are reminded to store information in their Personal Development File.
All	**Pupils directed to apprenticeship information on our careers board, during National Apprenticeship Week.**	Pupils are aware of the types of apprenticeships are available in our field and pathways to get there. The classroom display is highlighted as a continual reference point. Pupils are reminded of our Careers Advisor Pupils are reminded to store information in their Personal Development File.
Years 9 - 11	**College and University shows promoted.**	Pupils will be aware of shows which may inspire them to enrol on courses in our field at college or university.
Year 8	**3D Printing Workshop**	Pupils are invited to take part in a 3D printing workshop held by CREATE education on an annual basis. Pupils are introduced to industry standard 3D design software (Onshape) as well as TinkerCAD) Pupils are also taught how to slice their 3D designs using Ultimaker Cura
All Years	**3D Printer 3d Scanner Mayku Formbox**	Pupils are able to use industry standard hardware in Computing Club on a week basis. This hardware is provided to the school to through BAE Systems to develop pupils skills