Aim:

At Oakfield we develop digital citizens who are able to use technology responsibly and effectively through the use of latest technological developments.

To provide all learners with a well-managed, high quality and personalised programme of ICT learning that will enable them to prepare for adult and working life and will motivate, develop skills and broaden aspirations.

To promote self-confidence, resilience and creativity through ICT skills which can be used in work and life.

Objective:

At Oakfield we ensure that all learners:

- Are respectful digital citizens
- Are able to use ICT effectively and appropriately to communicate
- Have opportunities to develop skills, knowledge and understanding of using a variety of latest hardware and software applications.
- Are provided with regular E-Safety training throughout the school year to ensure they are aware of threats/dangers and how to overcome them in both school and outside of school context.
- Are provided with a personalised curriculum that is tailored to individual needs to ensure progress for all.

Key Stage 3

At Key Stage 3 learners have a personalised pathway that supports and engages learners to achieve their aspirational targets for ICT. Each pathway is personalised to support and engage every student at Oakfield. Each half term learners study a specific computing component that is given a vocational context. Across the school year learners develop knowledge skills and understanding of (Algorithms, Computer Programming, Hardware & Software, E-Safety, Data & Data Representation, Networking & Communication). In year 9 learners complete the Education For A Connected World E-Safety Framework.

Knowledge, Skills and Understanding

- Understand what algorithms are and how they are implemented on digital devices, that programs are executed by following a sequence of instructions.
- Understanding how to Write and test simple programs.
- Use logical reasoning to explain how a simple works, detect and correct errors while also predicting the behaviour of simple programs.
- Organise, store, manipulate and retrieve data in a range of digital formats
- Communicate safely and respectfully online, keeping personal information private, and recognise common uses of information technology beyond school.
- Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts

- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.
- Understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration
- Describe how internet search engines find and store data; use search engines effectively; be discerning in evaluating digital content; respect individuals and intellectual property; use technology responsibly, securely and safely
- Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Key Stage 4

At Key Stage 4 learners access an accredited course chosen specifically for individual learners that promote independence and challenge. Each qualification is based on a vocational themed and develops knowledge skills and understanding specifically linked to current ICT industries.

Learners will:

- Complete appropriate vocational accreditation that reflects individual learner aspirations.
- Complete a transition curriculum and explore further vocational and educational settings.
- Develop knowledge, skills and understanding of industry technology use including podcasting, digital marketing, graphic design, gaming, application development, digital media including website design and E-Book creation using industry recognised software and hardware.

Key Stage 5

At Key Stage 5 learners access an accredited course chosen specifically for individual learners that promote independence and challenge. Each qualification is based on a vocational themed and develops knowledge skills and understanding specifically linked to current ICT industries.

Learners will:

- Complete appropriate vocational accreditation that reflects individual learner aspirations.
- Complete a transition curriculum and explore future vocational and appropriate further educational settings.
- Develop skills, knowledge and understanding of industry technology use including podcasting, digital marketing, graphic design, application development, gaming digital media including website design and E-Book creation using industry recognised software and hardware.

Monitoring arrangement

This will be implemented in line with the policy and practice outlined in the Assessment policy, self evaluation and monitoring policy.

In relation to their areas of responsibility and as outlined in job descriptions all staff will:

- present a record of their judgements on the Oakfield Self Evaluation Form. **Appendix 2 in the school self evaluation policy.**
- maintain an up to date evidence file to support judgements based on all aspects of self evaluation

Judgements are then reviewed with SLT and contribute to:
- the completion of Departmental SES forms
- whole school SES forms
- School improvement plan.
- Department Improvement Plans

Additional Information

Oakfield High School and College further promote Creative Technologies Through:

- The "Outstanding" graded achievement of 360 Safe E-Safety Quality Mark in 2018, through embedded practice that will provide evidence towards reassessment in 2020.

- Being a Good Digital Citizen policy which is shared with learners, parents, staff and governors. Internet access is filtered through RM and Smoothwall to ensure safe working. This is monitored with termly meetings and outcomes reviewed and actioned annually. This also is linked and in accordance with the schools Anti Bullying Policy, Acceptable Usage Policy and Social Media Policy.

- Learners participation in a variety of enriching programmes to raise awareness of E-Safety through Anti Bullying Week & Safer Internet Day and STEM through three STEM activity days per year.

- The Digital Guardians Council promote the use of positive technology use. The council share resources, provide training to staff, learners and parents to promote the use of safe use of technology both in school and at home. This also includes guidance in the weekly newsletter with tips for all Oakfield stakeholders to protect themselves when online.

- Providing regular Oakfield staff CPD to improve the quality of ICT provision and delivery whole school.

Date approved:	23.05.19
Review Date:	May 2021
Signed Executive Headteacher:	C Taylor