

Forest Oak School



Curriculum Intent, Implementation and Impact
statement for *Computing*

Area/Subject Lead(s): Computing

Intent

Forest Oak School is a specialist provision for learners with Moderate Learning Disabilities in Smith's Wood, North Solihull.

Our Computing curriculum is designed to provide a wealth of learning opportunities and develop transferrable skills explicitly within Computing lessons as well as across other curriculum subjects; it is an integral part of all learning. We aim to help prepare children for a rapidly changing world through the use of technology and recognise that technology can allow learners to share their learning in creative ways. Through the study of Computing, children develop a wide range of fundamental computing skills, knowledge and understanding that will equip them for the rest of their life. From the Early Years Foundation Stage (EYFS)

At Forest Oak, our computer curriculum helps to teach the children, in small manageable steps that can be built upon throughout the year. Content will be matched to areas of interest for their age, so meaningful links can be made and lifelong learning can take place.

Learning in computing will be enjoyed from our youngest children at foundation stage right up to Sixth Form. Teachers do have high expectations and produce evidence to show this. Our aim is that learners will be fully competent at using different programs and produce work to show their understanding progress. Children will become more aware of the dangers of using the internet and how to use it safely and be responsible. This will enable children to improve their career prospects in a world where many jobs require a high level of skill with computing devices; giving them the ability to use these skills in their own lives. For example in order to budget, write a letter, apply for a job or make a purchase.

The National Curriculum for Computing aims to ensure that all learners up until year 9:

- Understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
- Evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems are responsible, competent, confident and creative users of information and communication technology.

From year 9 onwards, children at Forest Oak follow the WJEC Entry Pathways Curriculum.

The WJEC suite of Entry Level Certificates and Awards is provided within the Qualifications and Credit Framework, which is designed to provide learners, learning providers and employers with an inclusive and flexible regulated qualifications framework that recognises the widest possible range of quality-assured learner achievements.

Consistent with the principles of the QCF, these Entry Level qualifications aim to be:

- Inclusive – recognising the achievements of all learners at Entry Level through a standard currency of awarding credit.

- Responsive – enabling individuals and centres to establish routes to achievement that are appropriate to their needs and facilitate progression.
- Accessible – based on clear design features that are easy for all users to understand.

Implementation

EYFS, KS1 and KS2 - ICT is taught one hour a week. Learners either use the ICT suite, Laptops, iPads or programmable toys, which are available for their ICT lessons. In KS3 and four, learners have two-hour weekly slots in the ICT suite.

The schemes of work is tailored to meet the needs of the children and there are a variety of topics depending on their key stage. The schemes of work have been adapted and differentiated to meet the needs and abilities of the learners.

EYFS is taught through knowledge and understanding of the world as a discreet subject throughout the week. Learners use Bebot, and Ipads to introduce them to the skills that they will need.

KS3 and KS4: ICT is taught through a comprehensive scheme of work, which supports learners to have a better understanding and develop skills within ICT. In year 7 and 8

Year 9 – 11 learners study Entry Pathways ICT (WJEC) (Computer Systems, Improving Productivity Using IT, IT User Fundamentals, Online Basics and Spreadsheet. This

The reason why we offer these courses is to make ICT fun and enjoyable for all the learners. The subjects are relevant to today's generation and the 'social media' era. Learners get the opportunity to learn about E-safety, which is particularly important. Being able to use all software on windows such as Microsoft Office will enable learners to enhance their knowledge, which will benefit them in later life, such as; employment, CV writing, letters and form fillings.

Impact

A high quality computing curriculum that is on offer at Forest Oak aims to develop a range of programming and technological skills that are transferable to other curriculum areas, including Science, Mathematics, English and History. As learners progress through the school, the children become increasingly confident in:

- The application of their digital skills.
- Become increasingly efficient and effective communicators, collaborators and analysts.
- Showing imagination and creativity in their use of ICT in different aspects of their learning and life beyond school.
- E-safety and the risks involved when using the internet.

We seek to inspire a love of computing and to equip every learner with the skills necessary to use technology to become independent learners.