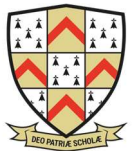


ICT and Computing



KING EDWARD VI
SCHOOL LICHFIELD

Key Stage 4 – Computer Science

Computer Systems	Computational Thinking, Algorithms and Programming	Programming Project
<p>Introduces students to:</p> <ul style="list-style-type: none">• The Central Processing Unit (CPU)• Computer Memory and Storage• Data Representation• Wired and Wireless Networks• Network Topologies• System Security• System Software• Ethical, Legal, Cultural and Environmental concerns associated with Computer Science	<p>Students apply knowledge and understanding gained in Computer Systems. They develop skills and understanding in computational thinking:</p> <ul style="list-style-type: none">• Algorithms• Programming Techniques• Producing Robust Programs• Computational Logic and Translators	<p>Students are to be given the opportunity to undertake a programming task(s) during their course of study which allows them to develop their skills to:</p> <ul style="list-style-type: none">• Design• Write• Test• Refine <p>programs using a high-level programming language.</p>



ICT and Computing

Key Stage 4 – Media Studies

Television and Promoting Media	Music and News	Creating Media
Section A <ul style="list-style-type: none">Television <p>Students engage with an in-depth study of one contemporary and one historic television products, responding to questions covering the whole of the theoretical framework and a range of media contexts</p>	Section A <ul style="list-style-type: none">Music <p>Students engage with one in-depth study covering magazines, a comparative study of music videos and a study of contemporary radio.</p>	<p>Students apply their knowledge and understanding of media language and representations to create media products of their own, using the theoretical framework to express and communicate meaning to an intended audience.</p>
Section B <ul style="list-style-type: none">Promoting Media <p>Students study media products from the same global conglomerate producer illustrating the media forms of film, advertising and marketing, and video games.</p>	Section B <ul style="list-style-type: none">News <p>Students engage with one in-depth study of online news, including its social and participatory media. Students also study contemporary and historical newspaper front pages and how they illustrate changing social, cultural, historical and political contexts.</p>	

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Key Stage 4 – Microsoft Office Specialist Certification (MOS)

Units covered
Word <ul style="list-style-type: none">Enhanced features, collaborative tools and almost anywhere file access make it easy to create high-quality documents.
Excel <ul style="list-style-type: none">New analysis, visualization and access tools make it easier to manage and share data.
PowerPoint <ul style="list-style-type: none">Exciting and easy-to-use audio/visual capabilities make it simple to create powerful, polished presentations.
Access <ul style="list-style-type: none">Simplified tools and new Web databases make it easier to track, report and share information.
Outlook <ul style="list-style-type: none">Advanced e-mail organization, search, communication, and social networking features enhance productivity.