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**Introducing the Computing and ICT Department**

As we move through the 21st Century the use of technology and knowledge of computer systems has become increasingly important in both our every day and working lives. It is essential that we equip our young people to be proficient in the use of technology and develop their transferable skills to enable them to progress into further education and the world of work. At Oldbury Wells School we are passionate about educating pupils of all abilities to achieve these goals.

Structure:

ICT and Computing is delivered as part of our Business and Enterprise team. The Team consists of:

* Specialist Teacher of Computing/ICT
* Specialist Teacher of Business Studies

In addition, the delivery of Computing/ICT is supported by colleagues from other subject areas with a second subject specialism in this area.

Current Curriculum Delivery:

At KS3 we follow the national curriculum for Computing. Students work on several exciting projects which strengthens their knowledge, application, skills, and analysis of:

* Algorithms: Be able to comprehend, design, create, and evaluate algorithms.
* Computer networks: Understand how networks can be used to retrieve and share information, and how they come with associated risks.
* Computer systems: Understand what a computer is, and how its constituent parts function together as a whole.
* Creating media: Select and create a range of media including text, images, sounds, and video.
* Data and information: Understand how data is stored, organised, and used to represent real-world artefacts and scenarios.
* Design and development: Understand the activities involved in planning, creating, and evaluating computing artefacts.
* Effective use of tools: Use software tools to support computing work.
* Impact of technology: Understand how individuals, systems, and society as a whole interact with computer systems.

At KS4 we currently offer two pathways in Computing/ICT:

* OCR Computer science which covers computer systems and computational thinking, algorithms, and programming.
* OCR Creative iMedia which includes creative iMedia and the media industry, visual identity and digital graphics, and characters & comics.

Facilities:

Across our school site we have five dedicated ICT suites, which are utilised for the delivery of Computing/ICT lessons along with banks of laptops for students to utilise ICT in the classroom.