



Computer Science & Media Studies @Persshore High School

Intent:

The Computer Science & Media Studies Department is committed to providing a comprehensive and engaging curriculum that equips our students with the knowledge, skills, and attitudes necessary to thrive in a rapidly evolving digital world. We aim to foster a deep understanding of computer science concepts, computational thinking, and digital literacy, while promoting creativity, critical thinking, and ethical awareness. Through our curriculum, we inspire a lifelong passion for learning and technology, enabling responsible digital citizens and well-prepared future professionals.

Implementation:

- **Broad and Balanced Curriculum:** Our curriculum is designed to offer a balance between theoretical understanding and practical application. Our curriculum includes a wide range of knowledge and skills; programming, algorithms, data structures, website creation, cybersecurity, image manipulation, and ethics in computing.
- **Progressive Learning Pathway:** We cater for all abilities and backgrounds. Learning progresses logically, building on foundational concepts and gradually introducing more complex topics. This ensures that all students can access the subject, and excel over time.
- **Active Learning:** We prioritize active learning methodologies, including hands-on programming, problem-solving exercises, group discussions, and project-based assessments. This approach fosters engagement, critical thinking, and collaboration among students.
- **Real-world Relevance:** We emphasize the real-world applications of computer science and media, connecting classroom learning to practical scenarios and industry trends. This enhances understanding of how computer science impacts various aspects of society and the job market.
- **Inclusive Practice:** Our curriculum is inclusive and caters to diverse learning needs. We provide differentiated materials and support for students with special educational needs, ensuring that every student can make progress.
- **Assessment for Learning:** Assessment is ongoing and varied, including formative and summative assessments. We use a range of methods such as coding projects, written examinations, presentations, and peer assessments to gauge students' progress accurately.

Impact:

- **Achievement:** students will gain a deep understanding of computer science and media principles and skills, evidenced by consistently high examination results and project outcomes.
- **Engagement:** Students are actively engaged in their learning, regularly participating in hands-on activities, projects, and discussions. Their enthusiasm for the subject is reflected in their positive attitudes and willingness to explore beyond the curriculum.
- **Skills Development:** Students develop a wide range of technical skills, including programming, problem-solving, and data analysis. They also cultivate essential soft skills such as teamwork, communication, and time management.
- **Digital Citizenship:** Our curriculum fosters ethical awareness and responsible digital citizenship. Students are equipped to navigate the digital landscape responsibly, understand privacy issues, and critically evaluate the impact of technology on society.
- **Progression:** Graduates of our Computer Science or Media Studies programs are well-prepared for further education and future careers in fields related to technology. They demonstrate a strong foundation that allows them to adapt to new technologies and pursue specialized areas of interest.
- **Confidence:** Students leave our department with a sense of accomplishment and readiness to positively contribute in the digital society.