Subject: Computer Science

	Student Development (Personal Development) and Curriculum Mapping			
Year Group	**Be Respectful** (Character)	**Have an Understanding** (Community, Equality, Diversity, and Inclusion)	**Have Affection and Humour** (Mental Health and Well-Being)	**Be Independent and Resilient** (Careers, Aspirations and Preparation for Adulthood)
Year 7&8	Respect others' code and ideas during collaborative projects. Develop good coding practices, including commenting and documentation.	Explore contributions of computer scientists from diverse backgrounds. Understand the impact of technology on different communities.	Engage in fun coding challenges and games to foster a positive learning environment. Discuss the importance of balancing screen time with other activities.	Learn to debug and troubleshoot code independently. Participate in coding competitions to build resilience and confidence
Year 9	Collaborate respectfully with peers during group coding projects. Practice ethical behaviour in coding, such as avoiding plagiarism.	Analyse case studies of software development projects impacting different communities. Discuss the role of diversity in tech teams for innovative solutions.	Engage in stress-relief activities like coding puzzles and hackathons. Discuss the importance of hobbies and breaks for mental well-being in tech careers.	Introduction to version control systems (e.g., Git) to manage coding projects. Workshops on problem-solving and critical thinking skills necessary for software development.
Year 10	Foster a classroom environment where all ideas are valued during project discussions.	Study the ethical implications of technology on society. Projects that focus on creating inclusive software solutions.	Stress management workshops specific to exam preparation and coding projects.	Advanced debugging and problem-solving exercises. Introduction to agile methodologies and teamwork in software development.

	Encourage sharing of resources and knowledge among peers.		Activities to promote a positive mindset and resilience.	
Year 11	Ethical considerations in software development, including data privacy and security. Respecting intellectual property and open-source contributions.	Explore global impacts of technology and software solutions. Research projects that address community needs and inclusivity.	Techniques for managing workload and reducing stress during project deadlines. Activities promoting teamwork and mutual support among students.	Preparation for technical coding tests. Projects requiring independent research and innovation.
Year 12	Foster a culture of respect in collaborative projects and peer reviews. Ethical hacking and cybersecurity awareness.	Research the impact of technology on various sectors and communities. Develop software solutions that promote accessibility and inclusivity.	Balance academic workload with extracurricular activities for mental well-being. Encourage peer support networks and collaborative learning.	Develop independent research skills for coursework and projects. Explore different career pathways in the tech industry through internships and work experience.
Year 13	Encourage ethical research practices and integrity in project work. Foster a respectful and collaborative research environment.	Analyse the societal impacts of emerging technologies. Develop projects that address global challenges and promote sustainability.	Strategies for managing stress and maintaining well-being during intensive research projects. Encourage a balanced lifestyle with academic and personal interests.	Advanced project management skills for complex software development projects. Preparation for higher education applications and technical career opportunities.


St John Bosco College
PERSONAL DEVELOPMENT
WHAT-HOW
Health
Careers
Citizenship
Christianity