'Let your light shine as you grow'

Subject Leader Curriculum Intent, Implementation and Impact Overview	
Subjects: Computing	**Subject Leader: Conor Clarke**

At St Mary's, we want to provide our children with the skills and knowledge to remain safe and to thrive in an increasingly technological-reliant world. It is a highly-valued aspect for all our teachers in planning units of lessons.

Intent	Implementation	Impact
We hope to create technologically literate individuals, who understand how computers impact both themselves and the world around them. Our children will consider the opportunities that Computing knowledge could give them in their future lives. Our children will understand that Computing is more than just about computers – it covers media, online safety and thinking logically. We Computing is also seen by St Mary's as a tool to support learning in all other areas of the curriculum – much like so many areas of our lives are impacted and made possible via technology. We want our curriculum to build on the previous learning of each year group, giving our children a broad and robust knowledge of all areas of the national curriculum for Computing.	As a school and in accordance with the National Curriculum's expectations, we aim to ensure that all pupils: In Early Years, children will use technology in their continuous provision; outdoor exploration is an important aspect and using digital recording devices such as recording equipment, cameras and microphones can support children in developing communication skills in addition to making them familiar with technology. Early teaching in staying safe online is a focus in our Early Years curriculum. By the end of Key Stage 1, pupils will be taught to: • Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following a sequence of instructions • Write and test simple programs, both digitally and 'unplugged' • Use logical reasoning to predict and compare the behaviour of simple programs • Organise, store, manipulate and retrieve data in a range of digital formats • Communicate safely and respectfully online, keeping personal information private, and recognise common uses of information technology beyond school.	How will we monitor the effectiveness of our Computing policy? At St Mary's, we believe that the most effective way to monitor the impact of our Computing policy is to utilise and triangulate a broad range of moderating activities, involve our stakeholders, and apply these regularly, consistently and robustly. Our monitoring includes: Lesson Observations and Learning Walks • Senior Leaders and Subject Co-ordinators regularly undertake planned and unplanned lesson observations and learning walks. These have a clear focus and feedback and findings are used to inform individual and whole-school Continuing Professional Development (CPD), School Development Planning and future monitoring activities. Work Scrutinies • Work is saved and accessible by Senior and Subject leaders for review, which is undertaken by the Computing lead each half term Pupil Perceptions

	By the end of Key Stage 2, pupils will be taught to: • Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts • Use sequence, selection, and repetition in programs; work with variables and various forms of input and output; generate appropriate inputs and predicted outputs to test programs • Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs • Understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration • Describe how internet search engines find and store data; use search engines effectively; be discerning in evaluating digital content; respect individuals and intellectual property; use technology responsibly, securely and safely • Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	• Children's views on their Computing learning and lessons is surveyed each term by the Computing Lead Governor Visits • As part of the Governors' Monitoring, Evaluation and Review cycle, lead governors in each subject, make regular visits to school to monitor progress towards the school development plan.