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# ST MARYS’ CATHOLIC PRIMARY SCHOOL

**LOVE, LISTEN & LEARN**

**These are our Key Stage expectations within our ICT & Computing curriculum**

**CS – Computer Science**

**IT – Information Technology**

**DL – Digital Literacy**

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|  | **KS1** | **KS2**  |
| **CS** | * Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
* Create and debug simple programs
* Use logical reasoning to predict the behaviour of simple programs
 | * Design, write and debug 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
* Use logical reasoning to explain how some simple algorithms work 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
* Appreciate how [search] results are selected and ranked
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| **IT** | * Use technology purposefully to create,
* organise, store, manipulate and retrieve digital content
 | * Use search technologies effectively
* Select, use and combine a variety of software (including internet
* services) on a range of digital devices to design and create a range of
* programs, systems and content that accomplish given goals, including
* collecting, analysing, evaluating and presenting data and information
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| **DL** | * Recognise common uses of information technology beyond school
* Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies
 | * Understand the opportunities [networks] offer for communication and collaboration
* Be discerning in evaluating digital content
* Use technology safely, respectfully and responsibly; recognise
* acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact
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