**ICT Skills and Knowledge Progressions for Year 5**

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|  | Objective | Topic covered in  | Pupils Working Towards Expectations | Pupils Exceeding Expectations |
| **Using technology** | * To understand what computer networks do and how they provide multiple services e.g. communication and the world wide web
* To recognise where it is best to use technology and where it adds little or no value
* To begin to increase confidence and independence when using a range of devices
* To continue to increase typing speed
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| **Using the internet** | * To search for specific information efficiently e.g. navigate page
* To evaluate the validity and appropriateness of information
* To understand the benefits of cloud computing (Google Apps)
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| **E-safety** | * To understand how to stay safe when using technology
* To use technology respectfully
* To understand the importance of keeping personal information private
* To understand a range of ways to report concerns about content and contact.
* To begin identify and assess risks and understand how to minimise risk
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| **Creating and publishing** | * To begin to select, use and combine software on a range of digital devices
* To begin to select and use a range of technology for a specific project
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| **Computer Science (algorithms and programming)** | * To begin to identify, explain and solve complex errors in a program by breaking the problem down into smaller parts.
* To begin to understand and explain that different solutions can solve the same problem by using logical reasoning.
* To begin to explore ‘what if’ questions by planning different scenarios for controlled devices.
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