**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 |  |  |  |
| **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) |  |  |  |
| **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 |  |  |  |
| **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 |  |  |  |
| **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. |  |  |  |