At Barnston Primary School, we value Computing across the school. We strive to deliver a whole school approach to consistent, continuous lessons in Computer Science, Information Technology and Digital Literacy. We ensure that pupils are able to understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation. We teach children how to analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems. We provide children with the skills to evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems are responsible, competent, confident and creative users of information and communication technology. We aim for our children to be responsible, competent, confident and creative users of information and communication technology.

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| --- | --- | --- | --- | --- |
| Term | EYFS | Year 1/2 | Year 3/4 | Year 5/6 |
| Curriculum Map – Autumn Term | | | |
| Autumn | Computing systems and networks  Programming 1 | Computing systems and networks 1  Programming 1 | Computing systems and networks  Programming 1 | Computing systems and networks  Data handling |
|  | Curriculum Map – Spring Term | | | |
| Spring | Programming 2 | Data handling  Programming 2 | Data handling  Programming 2 | Creating media  Programming |
|  | Curriculum Map – Summer Term | | | |
| Summer | Data handling | Online safety | Online safety | Online safety |