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| **A** | **Key vocab** | | | |
| **Algorithm** | | A set of instructions for a specific task | | |
| **Application** | | A program which has a user interface | | |
| **Data** | | A unit of information without context, measured in bits | | |
| **Device** | | A tool or machine with a particular purpose | | |
| **Email** | | A system of sending message files over the internet | | |
| **File** | | Data, stored and named | | |
| **General purpose computer** | | | | A computer which is designed to do a variety of jobs |
| **Hardware** | | Physical parts of a computing | | |
| **Image** | | Visual stored data | | |
| **Internet** | | A huge network of millions of networks | | |
| **Memory** | | Normally a synonym for RAM | | |
| **Network** | | A collection of computers and other devices (nodes), connected together (by links) | | |
| **Program** | | A series of coded instructions which can be run by a processor | | |
| **Random Access Memory (RAM)** | | | Volatile primary storage which contains the data and instructions for any program being currently run, including the OS | |
| **Sampling** | | Converting an analogue sound signal to a digital signal by recording the sound values at set intervals | | |
| **Software** | | Completed computer programs in general | | |
| **Storage** | | Where data, programs and files are kept semi-permanently | | |
| **World Wide Web** | | The collection of web pages available over the internet | | |

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| **B** | **Computer systems** | |
| **Control system** | | A computer which is used to control machinery |
| **Dedicated system** | | A computer which is dedicated to a specific job |
| **Embedded system** | | A computer which is dedicated to a specific job as part of a larger device |
| **Real time system** | | A system which can guarantee response time to be short and fixed. Useful for safety-critical systems |

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| **C** | **LECE** | |
| **Cyber bullying** | | Emotionally abusing someone via social media or other online methods |
| **Cyber security** | | Issues surrounding protection of data and computers from the threat of hacking or malware |
| **Digital divide** | | The inequality created by the fact that some people have greater access to technology than others |
| **Sharing economy** | | Technology enabled renting of services or products such as Uber or AirBnB |
| **Stakeholder** | | Someone with an interest |
| **Trolling** | | Trying to provoke arguments or upset people online |

Computer Science: Basics