Computer Science: Basics

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

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

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