

GCSE Computing
Tiverton High School



Spellings and Abbreviations

Always use the **correct** spellings and conventions in **your** written work.

3G (3rd Generation)

4G (4th Generation)

8-bit / 16-bit / 24-bit / 32-bit / 64-bit

absolute / absolute path / absolute value

access / accessed / accessing

accelerometer

actuator

ADC (Analog-to-Digital Converter)

AI (Artificial Intelligence)

algorithm / algorithmic

alpha-numeric

ALU (Arithmetic Logic Unit)

analog

analysis / analyse / analyst

AND

Android

application

archive

argument

arithmetic operator + - * /

array

AI (Artificial Intelligence)



ascending
ASCII (American Standard Code for Information Interchange)
assembler / assembly / assembly language
backbone router
assignment
attachment
audio
augmented reality
AUP (Acceptable Usage Policy)
authorise / authorised / authorisation
average
backup
Bash (Bourne-Again Shell)
BASIC (Beginner's All-Purpose Symbolic Instruction Code)
bespoke software
binary (base 2)
BIOS (Basic Input-Output System)
bit (binary digit) / bit-pattern / bitmap
Bluetooth
Boolean / Boolean operator / Boolean value
broadband
browser
buffer
bug
bus / address-bus / data-bus / control-bus
byte
C++ / C #
cache
capacity
case statement
CD-ROM (Compact Disc Read-Only Memory)
character / character code / character set / char
checksum
circuit
CLI (Command Line Interface)
client / client-server
clock / clock speed
cloud
CMYK (Cyan Magenta Yellow Key)



colour / colour-depth / colour-palette
command / command-line
comment
comparison
compiler
component
compute / computer / computing
compress / compressed / compression
condition
constant
convert / converted / converter / conversion
core / single-core / dual-core / quad-core
CPU (Central Processing Unit)
crash
cursor
data / database / data structure / data type
data-entry / data-entry form
DBMS (Database Management System)
debug
default
defragment / defragmentation
denary (base 10)
descending
desktop
develop / developer / development
device
DHCP (Dynamic Host Configuration Protocol)
diagnose / diagnostic tool
dialog-box
digital / digital camera
dimension / dimensional
directory / home-directory
disaster recovery
distributed
DO-WHILE loop
document / documentation
DoS attack (Denial of Service attack)
durable / durability
DNS (Domain Name System)



DVD-ROM (Digital Versatile Disc Read Only Memory)

dynamic

editor

efficient / efficiency

email

embedded

encrypt / encrypted / encryption / un-encrypted

entity

error / erroneous

Ethernet

event

execute / execution / executable

expression

external

false

fail / fail-over / fail-safe / failure

FER cycle (Fetch-Execute-Return)

fibre-optic

file / file-system

firewall

flash memory

floating-point / float

flow-chart

FOR loop

format

FTP (File Transfer Protocol)

function

gateway

GIF (Graphic Interchange Format)

gigabyte

GNU (GNUs Not Unix)

GPIO

GPU

grammar

graphics / graphics card / graphics tablet

GUI (Graphical User Interface)

hardware

hard-disk / hard-drive

height



help-system
hexadecimal / hex / hex-dump
hierarchy
high-level
HTML (Hyper Text Mark-up Language)
HTTP (Hyper Text Transfer Protocol)
hyperlink
IDE (Integrated Development Environment)
identifier
IF decision / IF-THEN decision / IF-THEN-ELSE decision
initial / initialise
input
instruction
integer / int
interactive
interface
internal
Internet
interpret / interpreter
interrogate
iOS
iPhone / iPad / iPod
IP address (Internet Protocol address)
iteration
Java
Javascript
JPG (Joint Photographic Expert Group)
kernel
keyboard
kilobyte
LAN (Local Area Network)
laptop
LED (Light Emitting Diode)
library
Linux
literal-value
load / loaded / loading
logic / logic gate / logical error / logical-operator
login



loop / infinite loop
loss-less / lossy
low-level
MAC address (Media Access Control address)
machine-code
MacOS
macro / macro-virus
magnetic / magnetic storage
mainframe
maintain / maintenance
mal-ware
MC-Hammer
media
megabyte
memory / memory management
menu / menu driven interface
meta-data
Microsoft Windows
MIDI (Musical Instrument Digital Interface)
mission-critical
modem (modulator-demodulator)
module / modular
modulo / MOD
monitor
motherboard
mouse / mouse-pointer
MP3 (Motion-Picture Layer 3)
MPEG (Motion Picture Expert Group)
MS-DOS (Microsoft Disk Operating System)
MTTF (Mean Time To Failure)
multi-tasking
multi-user
namespace
negative
network
nibble
non-volatile
NOT
null / null value



numeric
object-code
off-the-shelf software
op-code
Open-Source software
operand
operating system
operation
operator
optical / optical storage
OR
organise / organised
output
overflow
packet / packet-switching
parallel
password
path / pathname / absolute-path / relative-path
PC (Personal Computer)
PDF (Portable Document Format)
peer-to-peer network
peripheral
performance
permission
persistent
PHP (Hyper-Text Pre-Processor)
pixel (picture element) / mega-pixel
place-value
platform
plot / plotter
port
portable / portability
positive
primary / primary cache / primary key
print / printer / printout
procedure
process / processing / processor
profile
program / programming language / programmer



prompt
proprietary software
protocol
pseudo-code
Python
query
QWERTY keyboard
RAID storage (Redundant Array of Independent Disks)
RAM (Random Access Memory)
random / randomise / random access
Raspberry Pi
raster graphics
real / real-time
recursion / recursive
redundant / redundancy
relational / relational operator = < > <= >= <>
relative / relative path / relative value
reliable / reliability
removable
REPEAT-UNTIL loop
report / reporting
reserved word
resolution
resource
return / return-value
RGB (Red Green Blue)
ROM (Read Only Memory)
router
run / run-time / run-time error
safety-critical
sample / sample-interval
save / saved / saving
scan / scanner
screen
script
SD card (Secure Digital card) / Micro-SD card
search / search-engine
secondary / secondary cache / secondary key / secondary storage
secure / security



select / selected / selection
sequence
sequential access
serial
server
shell / shell-script
SIMM (Single In-line Memory Module)
simulation / simulate
SOAC (System On A Chip)
software
solid-state / solid-state storage
sort
sound / sound-sample
source-code
speech synthesis
spy-ware / anti spy-ware
SQL (Structured Query Language)
standard / de jure standard / de facto standard
stand-alone
statement
static / static RAM
stream
storage / storage device / storage media
string / string of characters
structure
sub-routine
suite
switch
symbol
synchronous / asynchronous
syntax / syntax error / syntactic-highlighting
system / system administrator
table
TCP/IP (Transport Control Protocol / Internet Protocol)
technology
template
terabyte
terminal / terminal-window
text / text editor



topology
touch-sensitive
tracker-ball
transfer
translator
transmit / transmission
Trojan Horse
true
truth-table
Unicode
Unix
update
upgrade
UPS (Universal Power Supply)
URL (Uniform Resource Locator)
USB (Universal Serial Bus)
USB flash drive
user
utility
valid / validate / validated / validation / validity
value
variable
vector
verify / verification
VGA (Video Graphics Adaptor) / SVGA / XVGA / WVGA
video
virtual / virtual-keyboard / virtual memory / virtual reality
virus / anti-virus
voice recognition
volatile / volatility
VPN (Virtual Private Network)
WAN (Wide Area Network)
web / web-cam / website
WHILE loop
width
WIMP (Window Icon Mouse Pointer) interface
window
wireless
wi-fi