

The Techie Dictionary For Parents

70 TECHIE TERMS FOR PARENTS

A Must Have For Every Parent With Intelligent Kids

This Product Brought To You By:

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INTRODUCTION

Kids have excellent brains. They learn faster than adults because their brains are more efficient and this includes learning from computers. Computers are here to stay and will be here long into the future. There is a huge revolution coming on now, it is called artificial intelligence.

More and more jobs will be handled and powered by machines. Uber has revolutionized the road transport system, Email has done the same to the post office is this is what artificial intelligence will do to future careers.

Intelligent parents need to start acquainting themselves with computer terms and be helpful to their children progress.

Did you Know? There are more than 86,000 acronyms and words related to computer programming (coding). There's no way to learn all of that. We have condensed this down to small list for you parents.

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All the computer terms/words your child is talking about and you don't have a clue! Well.... This PARENT'S GUIDE OR DICTIONARY is about to change all of that and speak in basic "English" so you can understand all of them. Why is this important?

- Now you can hold conversations with your child more and develop a better relationship
- Help them identify interests and possibly set them on the right education/career path earlier in life. This saves you lots of money in the long run so they don't waste time when they get to college.



DICTIONARY FOR PARENTS WHO DON'T UNDERSTAND THEIR KIDS' JARGON

- **Arduino:** An **Arduino** is a super basic computer. It is used to take computer commands and turn them into creative actions. It can control a blinking light or be the brain of a drone. In general it is used to create interactive electronic objects (robots).

- **Back End:** This is what I see. This is what the machine sees. This is the coding. This denotes a subordinate processor or program, not directly accessed by the user. When you perform a search on Amazon the back end finds all the relating products in the data base.

- **Bash:** **Bash** is a command language interpreter that executes commands read from the standard input or from a executable file. You may remember MS-DOS and commands like: dir. Bash is more allows more commands and controls but operates using the command line.

- **Blogger:** I am a blogger, are you? A blogger is someone with a blog. A blog is a short form for web log. A blog is a dynamic website that is updated regularly. A blogger updates a blog. Simple, huh?

- **BlueTooth:** This is the tooth of the sun god. It fell from the sky in 18BC. Hey, here is the truth- Bluetooth helps in connecting devices. I has limited range but can connect devices to computers.

- **Code.org** – The world has gone digital and there is a huge revolution happening in the schooling system today. Code.org is a non-profit organization that aims to encourage people, particularly school students in the United States, to learn computer science. It was formed by large tech companies to help kids learn basic computer logic. It's a drag and drop coding program.

- **C - C** is one of the first **computer programming languages**. That means that you can use C to create lists of instructions for a computer to follow. C is one of

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thousands of programming languages currently in use. C has been around for several decades and has won widespread acceptance because it gives programmers maximum control and efficiency. C is not an easy language to learn. It is a bit more cryptic in its style than some other languages.

- **Cloud:** This is not where you see the rainbow. This is actually where you can store your files and data if you do not want them stored on your computer. Companies such as Google and Facebook have large cloud storage facilities.

- **Compile:** To compile data is to arrange data in an orderly manner such that they are executable by the computer program called compiler. Basically after you write code in a language like Java you have to compile the code to see the output of the program you just created.

- **Console:** To comfort (someone) at a time of grief or disappointment....Nay. This is the right definition: The term **console** usually refers to a terminal attached to a minicomputer or mainframe and used to monitor the status of the system. (2) Another term for monitor or display screen. (3) A bank of meters and lights indicating a **computer's** status, and switches that allow an operator to control the **computer** in some way.

- **CSS –Cascading Style Sheets (CSS).** CSS is a style sheet language used for describing the presentation of a document written in a markup language. CSS describes how HTML elements are to be displayed on screen, paper, or in other media. CSS saves a lot of work. It can control the layout of multiple web pages all at once. So, it defines the colors and shapes you see on a website.

- **C++:** C++ is a high-level programming language. C++ uses a convenient abstraction called streams to perform input and output operations in sequential media such as the screen, the keyboard or a file. C++ is a general-purpose object-oriented programming (OOP) language, developed by Bjarne Stroustrup, and is an extension of the C language. It is therefore possible to code C++ in a "C style" or "object-oriented style." The games your kids play on their playstation were most likely written using C++.

- **C#:** Also known as C sharp, C# is a programming language based on C++ and Java that was developed by Microsoft and announced to the public in June 2000 with the introduction of .NET (Microsofts family of computer languages). In 2003, C# became an ISO standard. C# helps developers create XML web services and

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Microsoft .NET-connected applications for Windows operating systems and the Internet. The Xbox games your kids play are written using C#.

- **Disk Space:** This is the size of the hard disk of a computer. It is measured in Gigabytes. So it's how much storage space your computer has to save all your family videos.

- **Domain** – This is an area of territory owned or controlled by a ruler or government. Except that you are not a government; a ruler maybe. So we need to redefine that. A domain is an online territory owned by an individual or organization.

- **Dongle:** This is a small device able to be connected to and used with a computer, especially to allow access to wireless broadband or use of protected software. The Wii uses dongles to play it's games. Apple computers need dongles to connect all crazy devices you can use with your laptop.

- **DVI:** DVI is the short form of Digital Visual Interface. The digital interface is used to connect a video source, such as a video display controller, to a display device, such as a computer monitor. Sounds is not transferred through DVI.

- **Emulator:** The term "emulation" comes from the verb "emulate," which means to imitate or reproduce. In computing, an **emulator** is hardware or software that enables one computer system (called the host) to behave like another computer system (called the guest). An **emulator** typically enables the host system to run software or use peripheral devices designed for the guest system. You can download an Emulator on your computer so you can play 'pong' in it's original creation and emulate your old Commodore 64.

- **Ethernet:** Ethernet, pronounced "E-thernet" (with a long "e"), is the standard way to connect computers on a network over a wired connection.

- **Extract:** To extract is to obtain the needed file from a zipped or compiled files.

- **Fiber Optic:** Fiber optic cable is a high-speed data transmission medium. It contains tiny glass or plastic filaments that carry light beams. Digital data is transmitted through the cable via rapid pulses of light.

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- **FTP:** This is an acronym for file transfer protocol. It is a set of guidelines guiding how files are transmitted from devices to devices and online.
- **Gigabyte:** Computer memory is measured in bits and bytes. Gigabyte is a higher prefix of bits.
- **Gif:** Have you seen that picture that looks like a video but lasted for few seconds? GIF a lossless format for image files that supports both animated and static images. An animated GIF (Graphics Interchange Format) file is a graphic image on a Web page that moves - for example, a twirling icon or a banner with a hand that waves or letters that magically get larger.
- **GitHub:** **GitHub** is the best place to build software together. GitHub is a web-based Git or version control repository and Internet hosting service. It offers all of the distributed version control and source code management functionality of Git as well as adding its own features. Every coding needs to know how to use Git no matter where they end up working.
- **Google Drive:** This is an application and service by the internet giant Google. Google drive helps you to store and share editable files with other users.
- **Google Hangout:** This is similar to the regular hangout sessions we have in your neighborhood except this is online. People come online and have interactive video session together, regardless of their locations.
- **Hack:** To hack is to spy into another person's file, system or code. It's become a slang term having many meanings. At Hack-a-thons they work in groups to create programs or robots out of house hold items. Macgyver could have possible been the world's first hacker.
- **HDMI:** HDMI is another acronym in our long list of acronyms. a standard for connecting high-definition video devices. Most TVs are equipped with at least one HDMI port. HDMI also carries sounds from one device to the other. This is create from streaming content on your computer to your tv.

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- **Hot Spot:** This is where guys meet girls- the prom. Hey, for users of portable computers equipped for wireless, a **hot spot** (or **hotspot**) is a wireless LAN (local area network) node that provides Internet connection and virtual private network (VPN) access from a given location. Your phone can become a hot spot for computers to gain internet access.

- **HTML** - This is a computer programming term. HTML is an acronym for Hypertext Markup Language. Houses are built with bricks. The codes used in developing the websites we visit online are created using HTML. HTML uses tags, to determine how a webpage looks when opened on a Web browser. An HTML tag looks like this: `<head> </head>`. Basically they manipulate text.

- **Front End:** This is what you see. This is the result of the coding that can be directly accessed by the user and allowing access to further devices, programs, or databases. The Front End is the user interface. When you search something on Amazon the front end takes the data from the back end and displays it to you in a readable manner. Front end programmers get paid good money and there are a lot of jobs available.

- **Full Stack Developer:** A full stack developer is a ninja. The term **full-stack** means developers who are comfortable working with both back-end and front-end technologies. To be more specific, it means that the **developer** can work with databases, PHP, HTML, CSS, JavaScript and everything in between, also, venturing as far as converting Photoshop designs to front-end code. These guys and gals make the big bucks.

- **IDE:** provides comprehensive facilities to computer programmers for software development. An IDE normally consists of a source code editor, build automation tools and a debugger. An IDE creates an environment to write fully functional code. Eclipse, NeatBeans, IntelliJ and Visual Studios are all examples of popular IDEs.

- **IP address** – This is your address online. Of course, minus the P.O. Box. IP stands for Internet Protocol. An IP address is the internet address for websites. It tells the web browser where to find and locate websites online. For example this ip, 172.217.12.14, is google's address. So if you want you can type that in instead of google.com. Now you know why we use domains instead of ip addresses to find websites.

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- **JavaScript:** JavaScript is a programming language used to make web pages interactive. It runs on your visitor's computer and doesn't require constant downloads from your website. JavaScript is often used to create polls and quizzes. Originally developed by Brendan Eich and originally known as **LiveScript**, the programming language **JavaScript** was renamed in 1995. JavaScript is an interpreted client-side scripting language that allows a web designer the ability to insert code into their web page. JavaScript is commonly placed into an HTML or ASP file, and runs directly from the web page. JavaScript is growing at an incredible rapid pace. Both Facebook and google wrote their own JavaScript frameworks. JavaScript is everywhere and a must know language.

- **Java** - The mother load. Programmers always argue about which is better Java or C++. **Java** is a programming language and computing platform first released by Sun Microsystems in 1995. There are lots of applications and websites that will not work unless you have **Java** installed, and more are created every day. **Java** is fast, secure, and reliable. Minecraft is written completely in Java. Java can run programs on Mac or Windows easily they just need to install Java!

- **Just deleted my index file:** Thank Goodness it is not the index finger. Deleting an index file is like throwing away your catalogued file. Basically your main code is gone and all is lost.

- **Libraries:** In computer programming, a **library** refers to a collection of files, programs, routines, scripts, or functions that can be referenced within the programming code. These may include configuration **data**, documentation, help **data**, message templates, pre-written code and subroutines, classes, values or type specifications.

- **Linux:** This is a computer operating system. **Linux** is a Unix-like computer operating system assembled under the model of free and open-source software development and distribution. Many people use Linux as an alternative to Mac or Windows, because it's FREE!

- **Maker Space: Makerspaces**, sometimes also referred to as hackerspaces, hackspaces, and fablabs are creative, DIY spaces where people can gather to create, invent, and learn. These are becoming very popular. It's helps students see how code is used in robotics by bringing all aspects of the tech world together in one big happy family. Find your kid a maker space!

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- **Mbps:** This is the unit of internet loading speed. Mom, don't crash the internet by uploading all your crazy images right now. When you sign up for internet, they'll tell you your speed in Mbps, or how many megabits you can transfer in one second.
- **Mods (modifications):** Kids use this all the time. Did you see my new Minecraft Mod? Nice character, what did you Mod him? Games come out and people want to customize aspects of the game play for others to enjoy, this is known as modding the game. Minecraft is the most popular game and very easy to mod, plus you can learn Java while you do it!
- **Minecraft Skin:** This is the view of the minecraft game. Changing the skin enables you to see the character up close. You can give him different clothes and a new face with skins.
- **MMO** – Massively Multiplayer Online (i.e. World of Warcraft game example). This is not your child wanting to be an ultimate fighter in the real world, but possibly in the virtual world. Haha! These are games that Millions of people can all play simultaneously. Sims is another example.
- **Modem:** You know this right? That small device that your kid inserts into the port of his laptop to connect to the internet.
- **My code is compiling:** Gracias. Coding is like cooking. Sometimes the ingredients don't add. When code is compiling, there will be a visible result; sometimes in a graphic or web ui. When code doesn't compile, you see errors flying all over the place, it's a terrible sight.
- **NOOBS:** My bad. It is like calling someone a greeny in elementary school. A noob is a newbie. A noob knows little to nothing about computer or a game they are playing.
- **Notepad++ (text editor code):** This application can be used on your Microsoft enabled PC. It is a simple application for writing software. This is like Microsoft word but for coding. It helps organize your code and color the syntax making it easy to read and find errors.

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- **OS:** This is an acronym for operating system. Examples of OS are Microsoft Windows, Linux, Android and iOS.

- **PHP:** This is the currency of the PHillipines. Actually don't trust that. Discard what you just read and focus on this. **PHP**, which is short for **PHP: Hypertext Preprocessor**, is a server-side interpreted scripting language. It was designed for creating dynamic web pages and web pages that effectively work with databases. Wordpress is written in PHP!

- **Python:** Tread carefully, a snake is coming. Be relaxed. Python is not a snake. It is another excellent programming language. **Python** is a widely used high-level **programming language** for general-purpose programming, created by Guido van Rossum and first released in 1991. This is very big in the education world.

- **RAM:** This is an acronym for RANDOM ACCESS MEMORY. It powers your programs and gives them resources to process all your clicking around.

- **Raspberry Pi:** **Pi** or π is a value equal to 3.14159265358979323846264... that is the ratio of the circumference to the diameter of a circle. Oh! The **Raspberry Pi** is a tiny and affordable computer that you can use to learn programming through fun, practical projects. It was designed to be a small, cheap computer that could be used in schools to teach science to children. Since its introduction, almost four million Raspberry Pis have been sold.

- **Responsive** – This is the process of making a website adapt to different devices. You create one website and it detects the screen size to format into a readable size. So if you access the website on your phone compared to your laptop it recognizes the difference and displays it accordingly.

- **ROM:** Read-only memory (**ROM**) is a type of non-volatile memory used in computers and other electronic devices. It is also the name of old nintendo games that can be played inside nintendo emulators. Go find Tetris and reply it on your computer using it's rom with a nintendo emulator.

- **Router** - A **router** is a networking device that forwards data packets between computer networks. A router connects networks. Based on its current understanding of the state of the network it is connected to, a router acts as a dispatcher as it decides which way to send each information packet.

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- **Ruby:** This is another programming language. What makes it special from the HTML, PHP, etc? I will tell you. Ruby is a dynamic, open source programming language with a focus on simplicity and productivity. Twitter was originally written in Ruby. But on a normal day, a ruby should be a precious stone consisting of corundum in color varieties varying from deep crimson or purple to pale rose.
- **Sandbox** – this is where a developer or programmer goes to test his code before pushing it LIVE on the internet. Also a great babysitter for neighborhood children.
- **Scratch** – **Scratch** is a website with free programming logic and an online community where you can create your own interactive stories, games, and animations. MIT created scratch to allow a child to drag and drop items with the click of a mouse. (Heyyy!!! this is not the real coding), but it is good for a start especially for those who do not type yet with all fingers.
- **Server:** I know what a server means in athletics but in computers, a server is a computer that provides functionality for other programs or devices, called "clients". Clients connect to the server to all work together. If you create a Minecraft server other people (clients) can connect and all play in the same world!
- **SQL:** We have been defining lots of acronyms for some time now. SQL is the standard language for relational database management systems. **Structured Query Language.** SQL is used to communicate with a database.
- **Swift** (apples coding language for apps) – Swift is a general-purpose, multi-paradigm, compiled programming language developed by Apple Inc. for their operating systems such as the iOS, macOS, watchOS, tvOS, and Linux. If you want to write apps for apple, then you'll need to learn Swift!
- **Sublime Text:** This is a free text editor to write code. It's create for writing HTML, CSS, Python and JavaScript. It has tons of cool features to make coding a better experience. Good work whoever created sublime text.

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- **Terminal:** The **terminal** (also known as shell and console) is an application in which you can execute commands directly. The terminal is very useful and help you manipulate tons of files all at the same time.
- **Text Editor:** This app is used for editing texts. It is that simple. Except that it has a wider use in the programming word than checking for spelling errors.
- **Ubuntu: Ubuntu** is a Nguni Bantu term meaning "humanity". It is often also translated as "humanity towards others". Back to programming, Ubuntu is an operating system than runs on all devices. The Ubuntu community believes in free software for all. Ubuntu is a great linux based OS that you can install for free on any computer.
- **USB:** Twist the letters and you have a bus. Alright, USB is short for Universal Serial Bus, is an industry standard initially developed in the mid-1990s that defines the cables, connectors and communications protocols used in a bus for connection and communication.
- **Vlog:** Vlog is a jargon....oops...Vlog is a short form of video blogging. Youtube and Vimeo are examples of vlogging sites. Instead of written content, the website displays video content.
- **Word Press:** I love word Press. It is a content management service. it's probably the easiest and most powerful blogging and website content management system (or CMS) in existence today. It helps to manage your content online. If you know HTML, CSS and PHP you can customize your word press site to do whatever YOU want for once!
- **Zip:** can we just....zip up? You're back? Zip is a term used for files that are compiled together. It helps in reducing file size and also keeping related files together especially for execution. To download a file from a server it needs to first be zipped up.

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