

| Application Topic  | Would-Be Features   | Budget Machine  | Dream Machine  |
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| <p>The student home computer is a computer which is used mainly by a student, either in high school or college for school work such as power-points, typed assignments and maybe even some video editing here and there. A PC would mainly be used for work for this general topic for a student but some students may want to use the PC for gaming as well so this PC would have averagely good parts for both work and gaming. For this topic, the pc would be within a mini to mid tower case because it will mainly be used for school work so there will not be any big components within it and it would not be too portable, only enough to move to another room or such. The PC would have an average speed of 2.3 GHz and above if needed. The top 3 components in this type of PC would be the CPU, RAM, and HDD. They are the three most important because they are what help the computer function mainly for work.</p> | <p>The less important PC components would have to be the GPU, SSD, and the CPU fans because for a student home computer, these are not required for the computer to function for doing work regarding typing and making powerpoint/slideshows. The PC parts that would be nice to upgrade would be the GPU, Motherboard, and the SSD because if you keep this computer for a while, your storage is going to build up and become full at some point and having that extra amount of storage for anything really is useful when needed. Having alot of work saved can take up alot of space especially if some of your work are making and editing videos since they could take up to 10 gb and up. The main vendor that may supply these components would be CanadaComputers and Amazon and many more vendors who have them in stock. Some vendors may have expensive products while some suppliers like Canada-Computers or Amazon provide discounts time to time.</p> | <p>CPU : AMD Ryzen 1200 3.1 GHz listed at \$84.99 and sold by Newegg.</p> <p>CPU Cooler : Cooler Master Hyper 212 EVO listed at \$34.99 and sold by Vuugo.</p> <p>Motherboard : ASRock B50 PRO4 Micro ATX listed at \$76.99 sold by Vuugo.</p> <p>RAM : G.Skill Aegis 8 GB DDR4-3000 listed at 42.99 and sold by Newegg.</p> <p>SSD : Kingston A400 120 GB listed at 25.99 and sold by Amazon.ca.</p> <p>GPU : Gigabyte GeForce GTX 1050 Ti 4 GB listed at \$225.99 and sold by Vuugo.</p> <p>Case : Rosewill Line-M MicroATX Mini Tower Case listed at \$30.99 and sold by Newegg</p> <p>Power Supply : Corsair CXM 450 W 80+ Bronze listed at \$59.99 and sold by MemoryExpress.</p> <p>OS : Windows 10 32/64 bit listed at \$146.00 and sold by Amazon.ca.</p> <p>Monitor : AOC E970SWN listed at \$91.99 and sold by PC-Canada.</p> <p>Keyboard : Microsoft ANB-00001 listed at \$15.99 and sold by Amazon.ca.</p> <p>Mouse : Redragon M602 listed at \$21.99 and sold by Amazon.ca</p> | <p>CPU : Intel Core i7 7700 3.6 GHz listed at \$409.99 and sold by Vuugo.</p> <p>CPU Cooler : Corsair H100i RGB Plat 75 listed at \$191.99 and sold by Amazon.ca</p> <p>Motherboard : ASRock B250 Pro4 ATX listed at \$126.99 and sold by Amazon.ca</p> <p>RAM : Corsair Vengeance LPX listed at \$47.99 and sold by Newegg.</p> <p>SSD : Samsung 970 Evo Plus listed at \$89.99 and sold by Vuugo.</p> <p>GPU : Zotac GeForce GTX 1060 6GB listed at \$279.99 and sold by Newegg.</p> <p>Case : Cooler Master H500 ATX Mid listed at \$169.99 and sold by Newegg.</p> <p>Power Supply : Silverstone 500 W 80+ Gold listed at \$123.99 and sold by Amazon.ca.</p> <p>OS : Windows 10 64 bit listed at \$136.00 and sold by Vuugo.</p> <p>Monitor : AOC G2260VWQ6 listed at \$124.99 and sold by CanadaComputers.</p> <p>Case Fan : Corsair LL120 RGB listed at \$39.99 and sold by Amazon.ca.</p> <p>Keyboard : Razer Ornata Chroma listed at \$109.99 and sold by Amazon.ca.</p> <p>Mouse : Logitech G502 Pro Spectrum listed at \$69.99 and sold by Amazon.ca</p> <p>Headphones : Kingston HyperX Cloud II listed at \$129.99 and sold bt Amazon.ca.</p> |