



School Ready*

Buying a device for school?



Tablet

Tablets have no physical keyboard. They're best for viewing content and playing games. They can be used as an ancillary device for school. For substantial schoolwork, Microsoft and Intel recommends a 2 in 1 device with a larger screen and a removable keyboard.

2 in 1

Two in one devices are a great investment for school. Use a digital pen to take notes, jot down maths and science. Plus there's a full keyboard for typing assignments.

Laptop

Laptops or Notebooks have a keyboard and may offer a touch screen with digital stylus, which is great for note-taking, maths, science and languages. Powerful laptops are good for students who want to code and play games.

Ultrabook™

Ultrabooks™ are slim profile, lightweight and have long battery life and no DVD drive. Many have a touchscreen and keyboard making them ideal for viewing and doing. Powerful Ultrabooks™ are good for students who use creative software.

The processor is important

The processor is the 'brain' of the computer and determines its performance. Go for the best you can afford, so your device can continue to handle future demands. Remember you can upgrade most other specs on your computer, but not your processor, so why not future proof yourself?

Intel® Atom™

Fast web browsing and outstanding battery life.

Intel® Celeron®

Entry-level processor for basic computing.

Intel® Pentium®

Reliable multitasking.

Intel® Core™ i3

Amazing multitasking and visuals.

Intel® Core™ i5

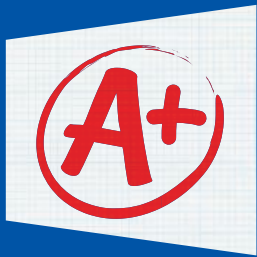
Performance that adapts to suit the task in hand.

Intel® Core™ i7

Top of the line for the most demanding software.

Further references

www.getasmartstart.ca



School Ready*

Is your device school ready? Checklist



Essential

Recommended

Your device needs to handle

Different courses

In a typical day a student might type an assignment, jot down notes, figure out equations, film a science experiment and record a speech. They need a device that lets them work effectively in every subject area.

Creativity, innovation and composition

Students and leverage cloud services like Microsoft Office 365 to collaborate and communicate from anywhere. Plus they need practice with the software that's used in the workplace using Microsoft Office.

Lots of different software

Make sure the device can run demanding programs for music, design, science and technology classes.

Working from different places

Students need to connect to the school wireless network.

The school backpack

Keep it light on their back.

6-hour days

No one wants to run out of battery half-way through the school day.

File swapping

You can email small files, but not video projects and large images. Plus student need to be able to connect their device to printers, sensors, probes, thermometers and more for science.

Note-taking and brainstorming

Students are more comfortable making notes, sketching, writing maths equations, science formulae and foreign languages with a pen.

Rough and tumble

Students may drop the device and may spill things on it, so it needs to be tough and protected.

Lots of files, videos, music and more

Students need plenty of room for applications and their own files.

Safely browsing multiple sites

What safety software is available/included on the device? Remember, when students are not at school there may not be protective measures on the WiFi network.

You need to ask for

1. 10" (minimum) screen, touchscreen and keyboard

- A minimum of a 10" screen — larger for creative or technical work
- A touchscreen for browsing and writing class notes
- A keyboard for typing assignments

2. Runs both apps and programs

- Windows 8.1 — apps and settings go with you across all devices
- Able to run programs such as Microsoft Office, Adobe Photoshop or AutoCad

3. High performance

- For primary students, Intel® Atom™, Celeron® and Pentium processors are good
- For secondary and beyond look for, Intel® Core™ i3, Core™ i5 and Core™ i7 processors

4. Dual Band WiFi Access

- Make sure it has dual band WiFi (2.5Ghz and 5Ghz) to get the fastest access to the school network

5. Lightweight

- Aim for under 1.5kg

6. 6-hour battery life minimum

- Make sure it lasts a 6-hour school day
- Look for an Intel® 5th Generation Core™ processor to help stretch battery life further

7. USB ports

- Needed to connect digital peripherals, such as a microscope, a printer, graphics tablet, a musical keyboard, thermometer, light meter, etc.

8. Pen

- High fidelity digitised pen with active screen is essential for note-taking, sketching, writing maths and science equations

9. Durable for everyday school use

- Insist on a protective case
- Look for solid state drives

10. Storage

- Go for at least 128GB of storage in laptops, Ultrabooks™ and two-in-ones
- At least 32GB of storage in tablets is recommended

11. Safety software

- Windows Defender and SmartScreen
- Windows Family Settings

Further references

www.getasmartstart.ca





THE GUIDE TO STUDENT LIFE EVOLVED

EFFECTIVE ONLINE RESEARCH

1. Start with broad research for categories and related topics at sites like DuckDuckGo, Yippy and Wikipedia. Make note of keywords.
2. Narrow and deepen your search with Bing and Google. Experiment with combinations of 3 to 5 different keywords, the search engines will deepen the results pools for your keywords.
3. Tap into the invisible web of databases not indexed by popular search engines. Try ScienceDirect, Internet Archive, DeepDyve, Google Scholar, and BizNar.
4. Make sure you check out your school's library for access to online tools and resources.



COLLABORATION AND GROUP WORK

- Know each other's communication style; get to know all members personally.
- Incorporate ground rules to ensure safety, openness and full cooperation.
- Decide what tools the group will use to work together. Popular tools include Skype, Dropbox and Slack.
- Exchange contact information for each team member.
- Time is essential so plan a schedule. Honor deadlines and timetables.
- Prepare minutes of study meetings noting key discussions and all decisions. Circulate to the team members.
- Know your role.

NOTE-TAKING STRATEGIES FOR STUDENTS

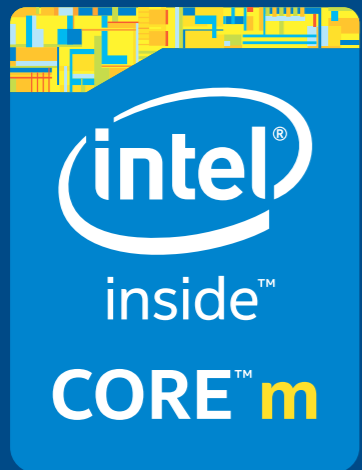
- Being active in note-taking, vs. being a sponge, will help you make meaning from what you learn
- Use a note-taking program like OneNote or Evernote
- Become familiar with keyboard shortcuts (and use a text expander if you find yourself typing phrases over and over again)
- Review your notes and course materials before class, sit near the front and participate vs. observe
- Make your notes brief and be selective
- Use linear notes with headings, sub-headings and room for detail; Mindmap to keep points grouped together; use tables to compare and contrast
- Minimize distractions. Consider blocking your wifi access during class.



BE WELL

- Set new healthy eating habits using an app like MyFitness Pal to track exercise, set diet goals, count nutrients and look up the foods you're consuming with a barcode scanner.
- Take control of your finances, plan your budget, and manage your money using your bank's app or Mint.com.
- Learn the signs of stress; take time to relax and seek help from college or university student services if you need it
- Bring technology to your exercise regime with the Microsoft Band, FitBit or Nike+. The Microsoft Band works with the phone you own with the Microsoft Health app

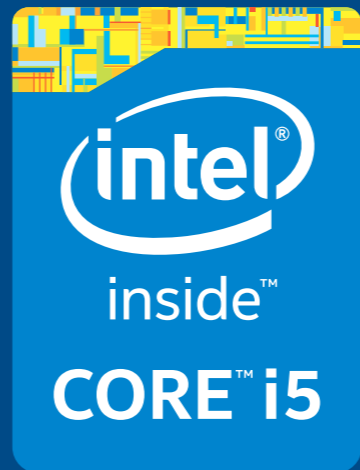
INTEL INSIDE. AMAZING OUTSIDE.



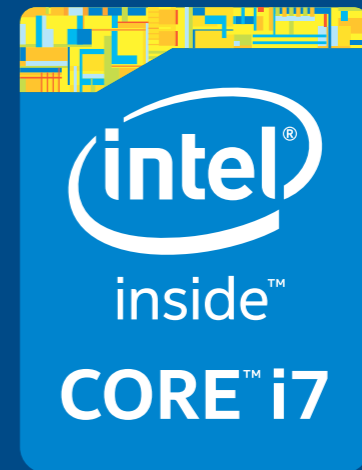
Productivity covered. Intel®Core™ architectural and design enhancements, combined with 14nm processing, provide up to 15% better productivity performance vs. prior generations.i



Watch, game, and create like never before with Intel® Core™ processors. Mainstream games and apps will run effortlessly with up to 20% better graphics performance than 4th Gen Intel Core processors.ii



With an Intel® Core™ processor, experience exceptionally smooth, seamless video chats. Enjoy amazing battery life that keeps you productive on the go. That's serious processing power for students.



Your laptop should keep up with you. Intel® Core™ processor system-on-a-Chip and platform power reductions enable up to 1.5 hours longer battery life on active workloads vs. prior generations.iii

i Performance comparison based on measurement of Intel® Core™ i7-5950HQ vs. Intel® Core™ i7-4950HQ using SYSmark™ 2014. System configuration info for 5th generation processor: Intel reference platform running Intel® Core™ i7-5950HQ PL1=47W TDP, 4GB, Turbo up to 3.8 GHz, Memory: 2x4GB DDR3-1866, Storage: Intel SSD, Display Resolution:1920x1080. System configuration for 4th Gen processor: Intel reference platform running Intel® Core™ i7-4950HQ 47W, 4GB, Turbo up to 3.6 GHz, Memory: 2x4GB DDR3L-1600, Storage: Intel SSD, Display Resolution:1920x1080. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

ii Graphics performance comparison based on measurement of Intel® Core™ i7-5600U vs. Intel® Core™ i7-4600U using 3DMark® Fire Strike 1.2 Overall and Intel® Core™ i7-5950HQ vs. Intel® Core™ i7-4950HQ using 3DMark™ 11 and 3DMark™ Vantage. Find out more about 3DMark™ benchmarks at www.futuremark.com. System configuration for Core i7-5600U: Intel Reference Platform running Intel® Core™ i7-5600U processor, 2 cores 4 threads, Turbo up to 3.2GHz, Memory: 2x2GB LPDDR3-1600, Storage: Intel NGFF SSD, Display Resolution:1920x1080, 13.3" eDP panel, Battery size 40Whr. System configuration for Core i7-4600U: Intel Reference Platform: Intel® Core™ i7-4600U processor, 2 cores 4 threads, Turbo up to 3.3GHz, Memory: 2x2GB LPDDR3-1600, Storage: Intel NGFF SSD, Display Resolution:1920x1080, 13.3" eDP panel, Battery size 40Whr. System configurations for Intel® Core™ i7-5950HQ and i7-4950HQ in footnote i. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

iii Battery life comparison based on Intel® Core™ i7-5600U vs. Intel® Core™ i7-4600U (see footnote ii for system configurations). Battery life is measured using Full HD Local Video Playback Battery Run-down—measured using Tears of Steel 1080p 3 Mbps H.264 video. Configuration: in the device settings, disable all radios, Disable Intel® Display Power Saving Technology (Intel® DPST), set up the system to 200 nits screen brightness using a full screen white background, and re-enable Intel DPST. Turn OFF the adaptive brightness setting under Power Options in Control Panel. Set "Dim the display" to never on both battery and AC. Set "Put the computer to sleep" to never on both battery and AC. Wait 15 minutes after boot. Launch the default video player (Windows 8.1 Style UI video player for win), start the workload video in a loop, and disconnect the AC plug to start the test. Measure the time until battery is exhausted. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

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