



HOW TO CHOOSE THE RIGHT DEVICE FOR LEARNING

INTRODUCTION

So much has changed in our world: Bedrooms now double as classrooms, kitchen tables serve as desks, and windowsills function as lecterns. Something else that's changed? Everyone in the house now depends on a PC—it's no longer simply something that is "nice to have," it's now mission-critical for quality education and rich engagement between students and educators.

Whether you are looking for a laptop or desktop—this new device will be a foundational tool, charged with turning "real" school experiences into virtual ones that encourage students to expand their critical thinking and problem-solving skills. No longer just a means to access content, your PC is the bridge to an expanded virtual learning experience.

This guide will help you decide on the solution that's best for your child. As tempting as it may be to focus solely on cost, it's important to consider your child's needs over time and think of this as a long-term investment. Here are four important things to think about before investing:

1. [Identify Your Requirements](#)
2. [Size the Performance You Need](#)
3. [Commit to Online Security & Safety](#)
4. [Plan for the Future](#)

You'll find a buying checklist and details about each of these considerations on the following pages.

1. IDENTIFY YOUR REQUIREMENTS

Will the computer be carried to school, or always stay home?

1

Consider the tradeoffs between mobile and desktop computers.



If mobile, will the computer be carried frequently?

2

Consider overall size and weight and battery life of the mobile computer.



How much time will be spent using a keyboard?

3

Consider how much time will be spent writing and choose a PC that supports a full keyboard. Consider touch and pen options.



How much time will be spent video conferencing?

4

Consider the trade-offs of using a built-in camera and microphone versus purchasing and attaching those separately.



Will the computer run a video conference and one or more applications at the same time?

5

Consider screen size to be certain you can see everything, make sure there is enough performance to run multiple applications at the same time.



Will the computer support the full range of software required? Run more than one app at the same time?

6

Consider choosing a processor with enough power to run robust productivity applications, and multiple applications at the same time.



Will your computer need to run legacy education apps that require Flash?

7

Consider operating systems that fully support Flash content and applications even when not connected.



How will the critical issues of security and privacy be addressed?

8

Consider choosing a PC that has hardware-based security as a key component.



TYPICAL STUDENT USAGE

Elementary Student

- Digital Content Access
- Remote Learning Access Educational Apps

Middle School Student

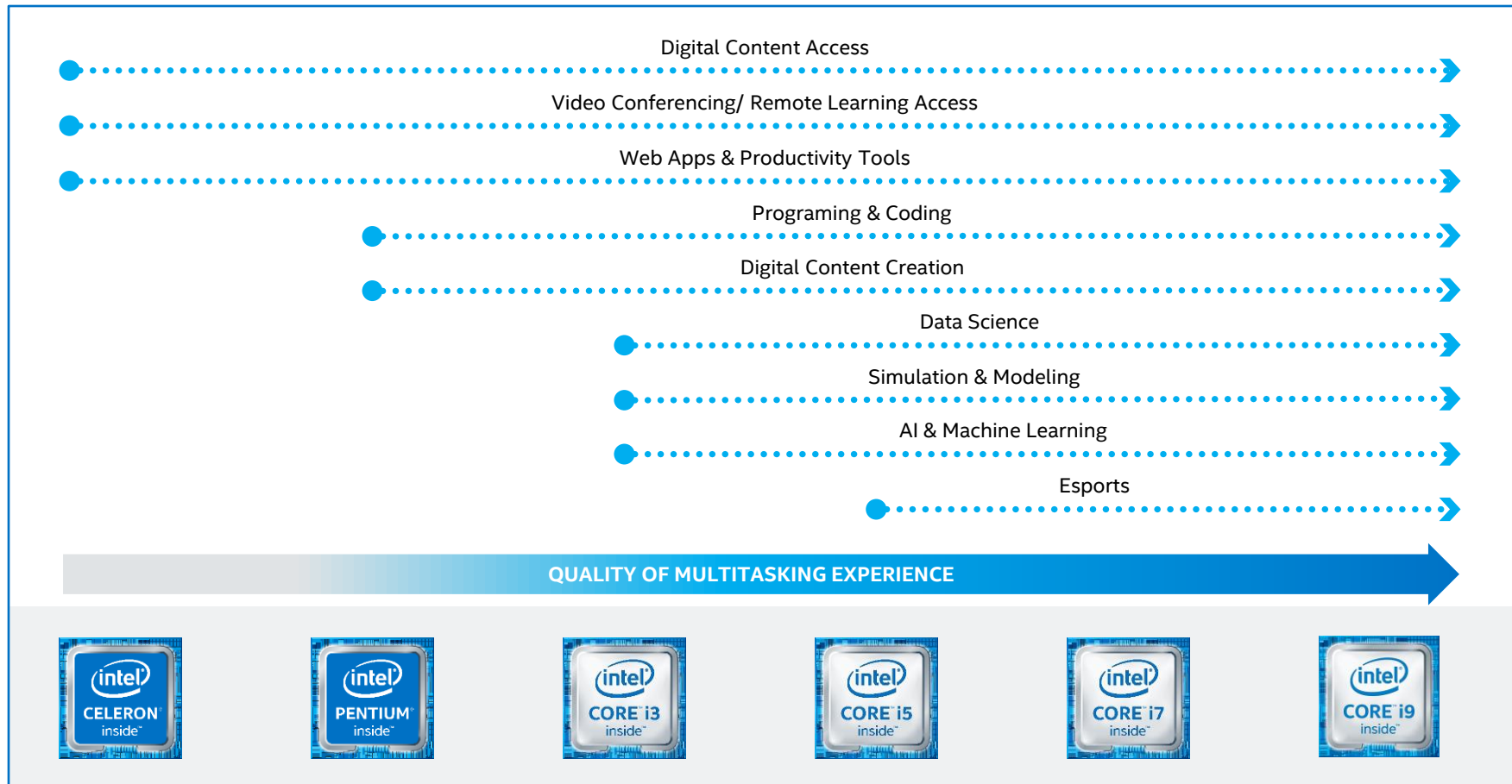
- Digital Content Access
- Remote Learning Access Educational Apps
- Productivity Tools
- Multitasking
- Programming /Coding
- Digital Content Creation
- Data Science

High School Student

- Digital Content Access
- Remote Learning Access Educational Apps
- Productivity Tools
- Multitasking
- Programming /Coding
- Digital Content Creation
- Data Science
- Sim/Modeling
- AI/Machine Learning
- Esports

2. SIZE THE PERFORMANCE YOU NEED

This chart shows a range of educational activities and the performance they require. As more applications run at the same time, more performance is needed.



For more complete information about performance and benchmark results, visit www.intel.com/benchmarks.



3. COMMIT TO ONLINE SECURITY AND SAFETY

Security is an ongoing priority, not a one-time event or project. At Intel, we are committed to helping advance security and performance as the cornerstone of future architectures using world-class product development policies, processes, and tools. Our security design principles require designers, developers, coders, validators, and architects to proactively and consistently consider the security implications of design decisions and to build resilience into our products.

TIPS FOR ONLINE SAFETY

- Set up parental controls through your internet provider and on the PC's operating system.
- Teach your kids the value of strong passwords and not to share them with anyone except you.
- Be aware. Don't allow your child to use Private or Incognito mode.

[View online safety tips](#)



4. PLAN FOR THE FUTURE

Your family will be using the PC you purchase now for a significantly longer time than your children will be learning remotely. There are a wide variety of personal computers with Intel® Core™ processors from lightweight notebooks through desktop creativity and gaming PCs that can meet the collaboration, communication, and creativity needs of children, parents, and educators.

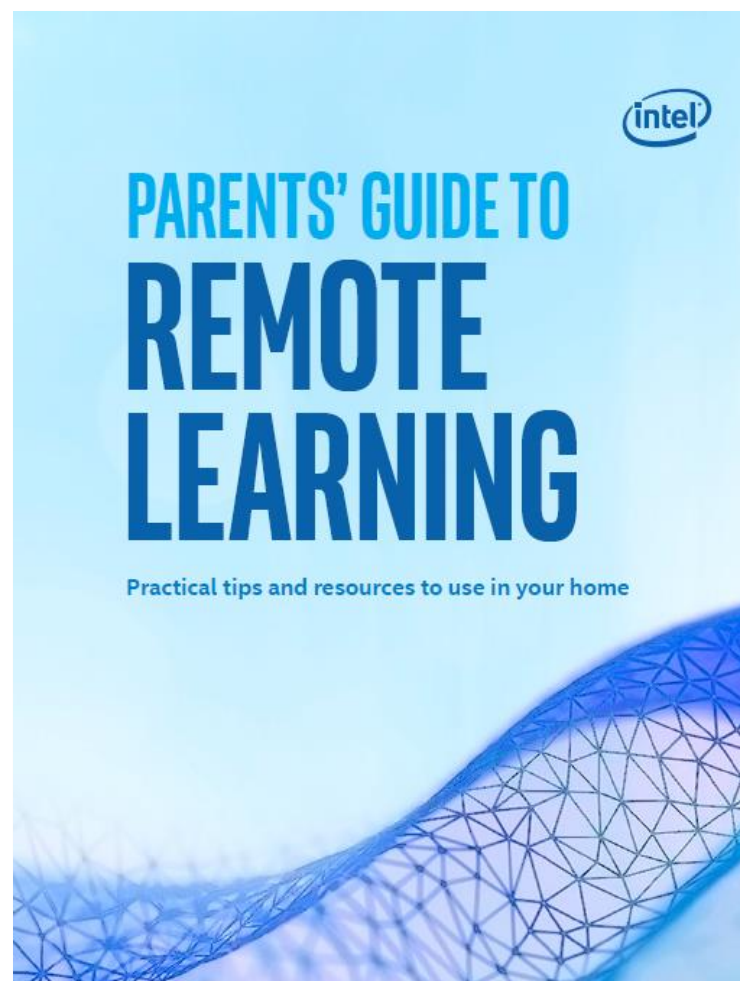
How old is your child today and how will they be using the device in four years? Think about the future use of your machine as your child grows. Investing a little bit more on processing power, system memory, and system storage will give them the tools they need to learn well into the future.

Does the device have the operating system capabilities and the processing power for video editing, productivity work, or creative applications like those in the Adobe* Creative Cloud or to play the latest Esports titles? If you have children in secondary or higher education that want to develop their technical or artistic skills, you may want to consider a higher-end device to support advanced coding and multimedia production.



CHECK OUT OUR PARENTS' GUIDE FOR LEARNING

The Parent's' Guide is designed for all families — there are no minimum technology access or resource requirements. Like the Educators' Guide, the Parents' Guide includes a list of resources that are trustworthy, subscription-free, and work even if your family doesn't have the latest computer. And parents will appreciate that it balances on- and off-screen activities.



Practical tips and resources
to use in your home



Notices & Disclaimers

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. For more complete information visit www.intel.com/benchmarks.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure.

Your costs and results may vary.

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