The right devices for Education from JP.IK with Microsoft & Intel

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Portugal

jp.ik Microsoft intel

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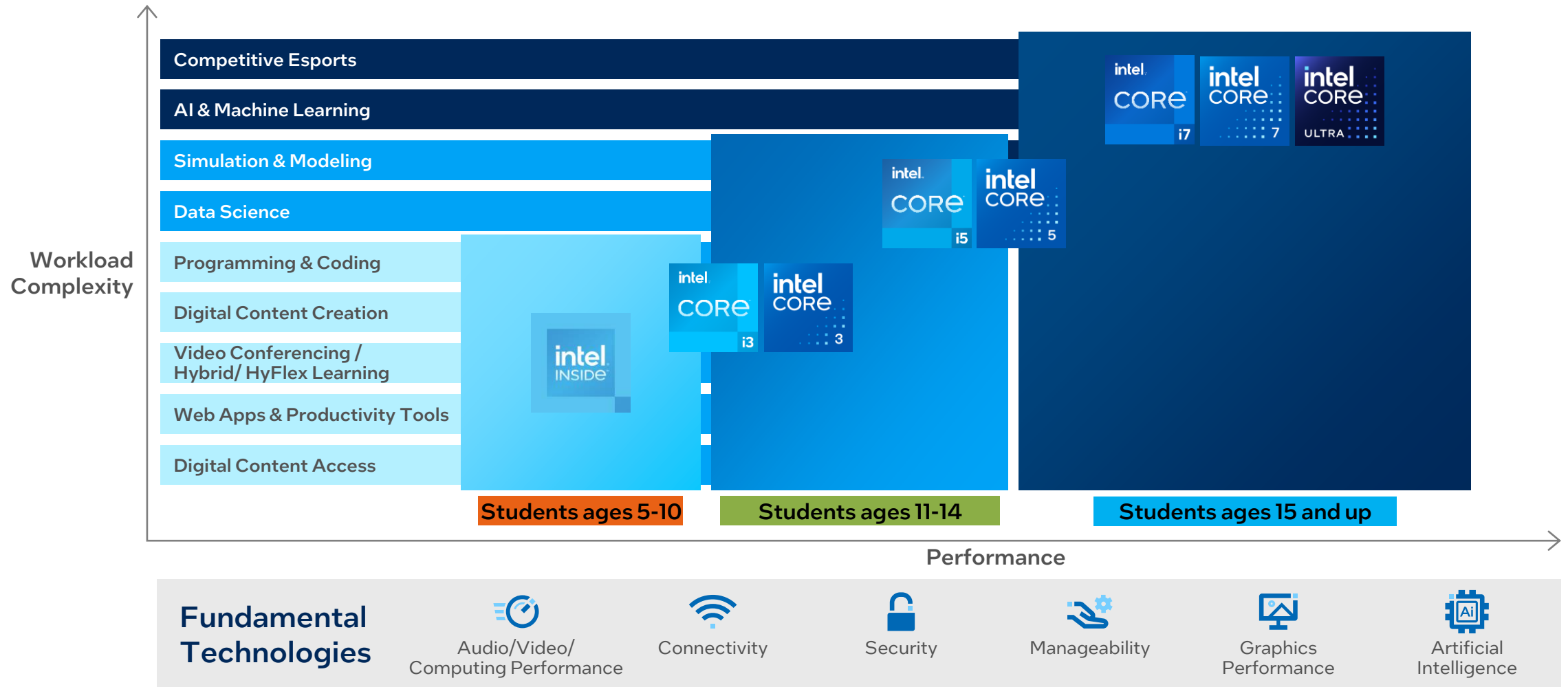
2024-October-15th

Evolving Learning Modalities

Learning Modalities →

Pre-Pandemic

Face-to-Face in Class

Informal

Online Personalized

Traditional Learning

Pandemic

Virtual Class (Video Conferencing)

Informal

Online Personalized

Remote Learning

Today

Face-to-Face in Class

Virtual Class (Video Conferencing)

Informal

Online Personalized

Blended Learning & Anywhere Learning

What's Next

Face-to-Face in Class

Virtual Class (Video Conferencing)

Immersive Learning

Informal

Online Personalized

Blended Learning w/ Enriched Immersive Experiences = Edu-Verse

Time →

Immersive learning experience future… Increased demand in computing and graphic performance, faster and more reliable connectivity, and longer battery life, resulting in a richer computing experience.

Intel Delivers a Variety of Choices for All Learners

Workload Complexity (vertical axis, bottom to top):
- Digital Content Access
- Web Apps & Productivity Tools
- Video Conferencing / Hybrid/ HyFlex Learning
- Digital Content Creation
- Programming & Coding
- Data Science
- Simulation & Modeling
- AI & Machine Learning
- Competitive Esports

Performance (horizontal axis)

- Students ages 5-10
- Students ages 11-14
- Students ages 15 and up

Fundamental Technologies
- Audio/Video/ Computing Performance
- Connectivity
- Security
- Manageability
- Graphics Performance
- Artificial Intelligence

For Intel vPro® for Windows systems only; OEM enabling varies; not available on ChromeOS. Intel® Core™ Ultra processors specifically recommended for Labs and CET environments
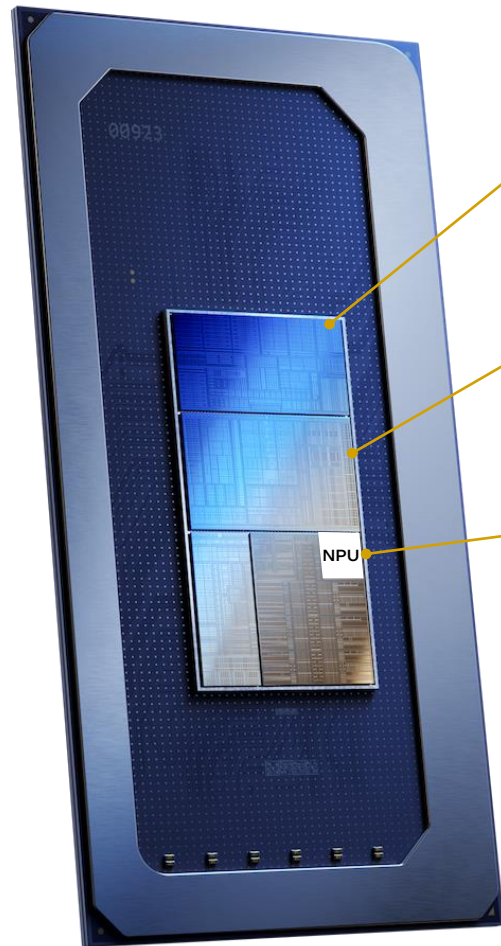
Intel Delivers a Variety of Choices for Educators

Workload complexity

Productivity

Intermediate Compute
Accounting | Hospitality Management
HG Image Editing | Research and
Collaboration | 3D Visualization

Professional-ready and Top-End compute

Robotics | Game Development |
AI Modeling | Architecture |
Computer Programming | **Engineering**

Business Analytics |
Information Modeling | **Business**
Business Intelligence Systems |

Simulation | Media Production |
Digital Illustration | Interactive Media | **Arts & Sciences**
Streaming | Data Visualization |

Image Processing | Modeling & Rendering |
VR Training | Analytics | **Medicine**

Performance

Fundamental Technologies

Audio/Video/Computing Performance

Connectivity

Security

Manageability

Graphics Performance

Artificial Intelligence

For Intel vPro® for Windows systems only; OEM enabling varies; not available on ChromeOS.

Intel® Core™ Ultra Processors

First PC platform from Intel with built-in neural processing unit (NPU) for AI optimization of education workloads for today and tomorrow

CPU	**Fast Response** Ideal for lightweight, single-inference, low-latency AI tasks	Office, LibreOffice, WPS Office, Power BI, tableau, Google Workspace, D5 RENDER, Visual Studio Code, MATLAB, Visual Studio
GPU	**Performance Parallelism & Throughput** Ideal for AI infused in Media/3D/Render pipeline	TOPAZ LABS, MAGIX, SKYLUM, Adobe, Blackmagicdesign, HandBrake
NPU	**Dedicated Low Power AI Engine** Ideal for sustained AI and AI offload	Microsoft Teams, Cisco Webex, LLAMA 2, zoom, XSplit, BUFFERZONE, Whisper.cpp, Audacity, iQIYI, Khan Academy, Khanmigo, Tallyfor, Superpower, ByteDance, wondershare

The right balance of platform power and performance for AI and the right software tools to scale.

ONNX   OpenVINO   DirectML   W3C Web Neural Network API

AI PC: Optimized Experiences for Educators and Students
Save Time, Improve Quality, Experience New Ways of Working

Educators

AI Eye Tracking
tobii

AI Avatars
Faceunity Technology

Personalized Learning
Khan Academy

Educators + Students

Developer Tools
web neural network
MATLAB
WebNN

Video Collaboration
zoom
Microsoft Teams
webex by CISCO

Video Editing
Adobe
MAGIX
ByteDance
wondershare

Text to Image
Stable Diffusion
gimp

AI Image Indexing
mylio

Music Separation & Voice to Text
Audacity

Optimized LLMs
LLM
stability ai
LLAMA 2

Gesture Controls
iQIYI

3D Rendering
AUTODESK
D5 RENDER

Graphic Design
GRAPHIC DESIGNING
KRITA
Distinct AI
Adobe

Video Streaming
XSplit

Game Upscaling
XeSS

Photo Editing
TOPAZ LABS
SKYLUM software
Adobe

Personal Assistant
Microsoft

AI Accessibly
OMNIBRIDGE
Windows

Workstation
Adobe
AUTODESK

AI Audio Enhancement
krisp
ELEVOC
intelliGo Technology Inc.
WAVES

Data Visualization

Base – Solutions available for: Students (ages 6-10)

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Battery Wh/Hs	vPro	Available in	
LEAP T208		Intel® Processor N100 (Q1'23)	Windows® 11 OS	Clamshell	8GB	11.6" Non-Touch 1366 x 768	Intel® Wi Fi® 6	Intel® UHD Graphics	256GB	38Wh / 8 Hs	No	Q4 2024	epeat
LEAP T306		Intel® Processor N200 (Q1'23)	Windows 11 OS	Clamshell	8GB	11.6" Non-Touch 1366 x 768	Intel® Wi Fi® 6	Intel® UHD Graphics	256GB	39.52Wh / 8 Hs	No	Q4 2024	

Good – Solutions available for: Students (ages 10-14)

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Battery Wh/Hs	vPro	Available in
TURN T306		Intel® Core™ i3 N300 (Q1'23)	Windows® 11 OS	2-in-1	16GB	11.6" Multi-Touch FHD 1920 x 1080	Intel® Wi Fi® 6	Intel® UHD Graphics	512GB	39.52Wh / 8 Hs	No	Q4 2024
LEAP W304		Intel® Core™ i3 N300 (Q1'23)	Windows® 11 OS	Clamshell	16GB	14" Non-Touch FHD 1920 x 1080	Intel® Wi Fi® 6	Intel® UHD Graphics	512GB	38Wh / 8 Hs	No	Q1 2025
LEAP W506		Intel® Core™ i5 1235U (Q1'22)	Windows® 11 OS	Clamshell	16GB	14" Non-Touch FHD 1920 x 1080	Intel® Wi Fi® 6	Intel® Iris® Xe Graphics	512GB	57Wh / 8 Hs	No	On Portfolio

Better - Solutions available for: Students and Teachers (age 15+ years / digital competence building)

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Battery Wh/Hs	vPro	Available in	
TURN W501		Intel® Core™ i5 1235U (Q1'22)	Windows® 11 OS	2-in-1	32GB	14" Multi-Touch FHD 1920 x 1080	Intel® Wi Fi® 6	Intel® Iris® Xe Graphics	512GB	65Wh / 8 Hs	No	On Portfolio	
BOLT W Green		Intel® Core™ i5 1235U (Q1'22)	Windows® 11 OS	Clamshell	64GB	14" Non-Touch FHD 1920 x 1080	Intel® Wi Fi® 6	Intel® Iris® Xe Graphics	1TB	36Wh / 8 Hs	No	On Portfolio	epeat

Best – Solutions available for: Teachers and Students (advanced use)

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Battery Wh/Hs	vPro	Available in
TURN Genie W601		Intel® Core™ Ultra 5 125U (Q4'23) NPU	Windows® 11 OS	2-in-1	64GB	14" Multi-Touch FHD 1920 x 1080	Intel® Wi Fi® 6	Intel Integrated Graphics	2TB	65Wh / 8 Hs	No	Q4 2024
BOLT X505		Intel® Core™ i7 13700H (Q1'23)	Windows® 11 OS	Clamshell	64GB	15.6" Non-Touch QHD 2560 x 1440	Intel® Wi Fi® 6	NVIDIA® GeForce RTX™ 2050	2TB	67Wh / 12 Hs	No	On Portfolio