The right devices for Education from Lenovo with Google & Intel

June 2024

Germany

Lenovo Google for Education intel

Notices & Disclaimers

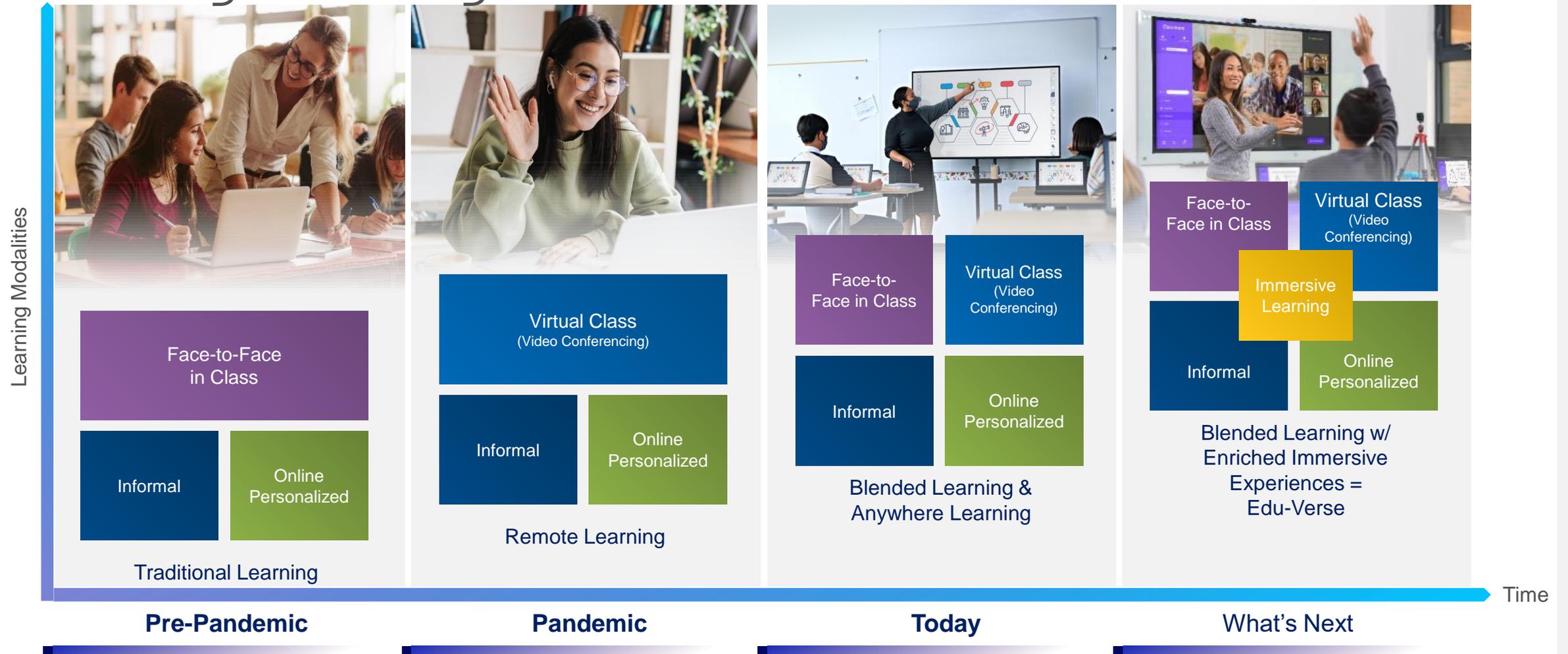Intel technologies may require enabled hardware, software or service activation.

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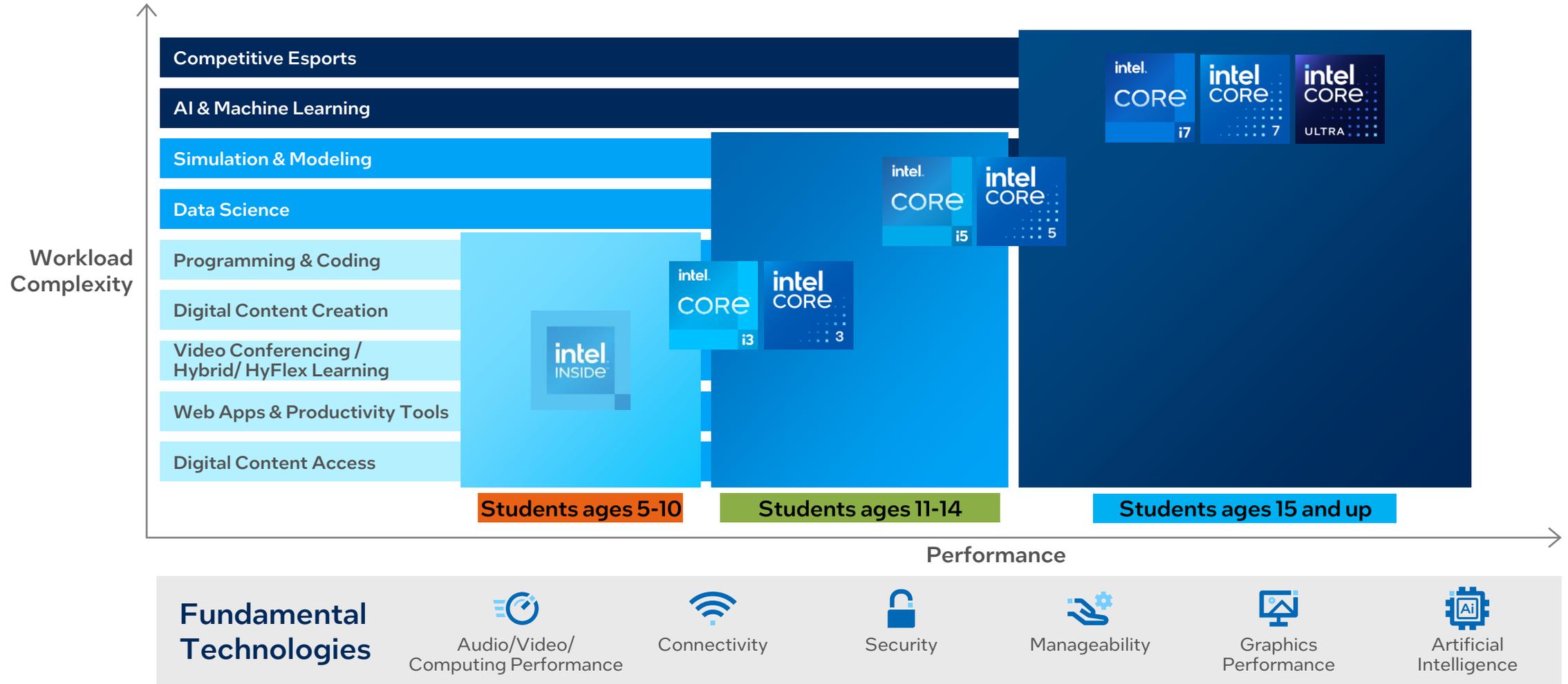
2024-June-18th

Evolving Learning Modalities

Learning Modalities →

Face-to-Face in Class

Informal

Online Personalized

Traditional Learning

Virtual Class (Video Conferencing)

Informal

Online Personalized

Remote Learning

Face-to-Face in Class

Virtual Class (Video Conferencing)

Informal

Online Personalized

Blended Learning & Anywhere Learning

Face-to-Face in Class

Virtual Class (Video Conferencing)

Immersive Learning

Informal

Online Personalized

Blended Learning w/ Enriched Immersive Experiences = Edu-Verse

Time →

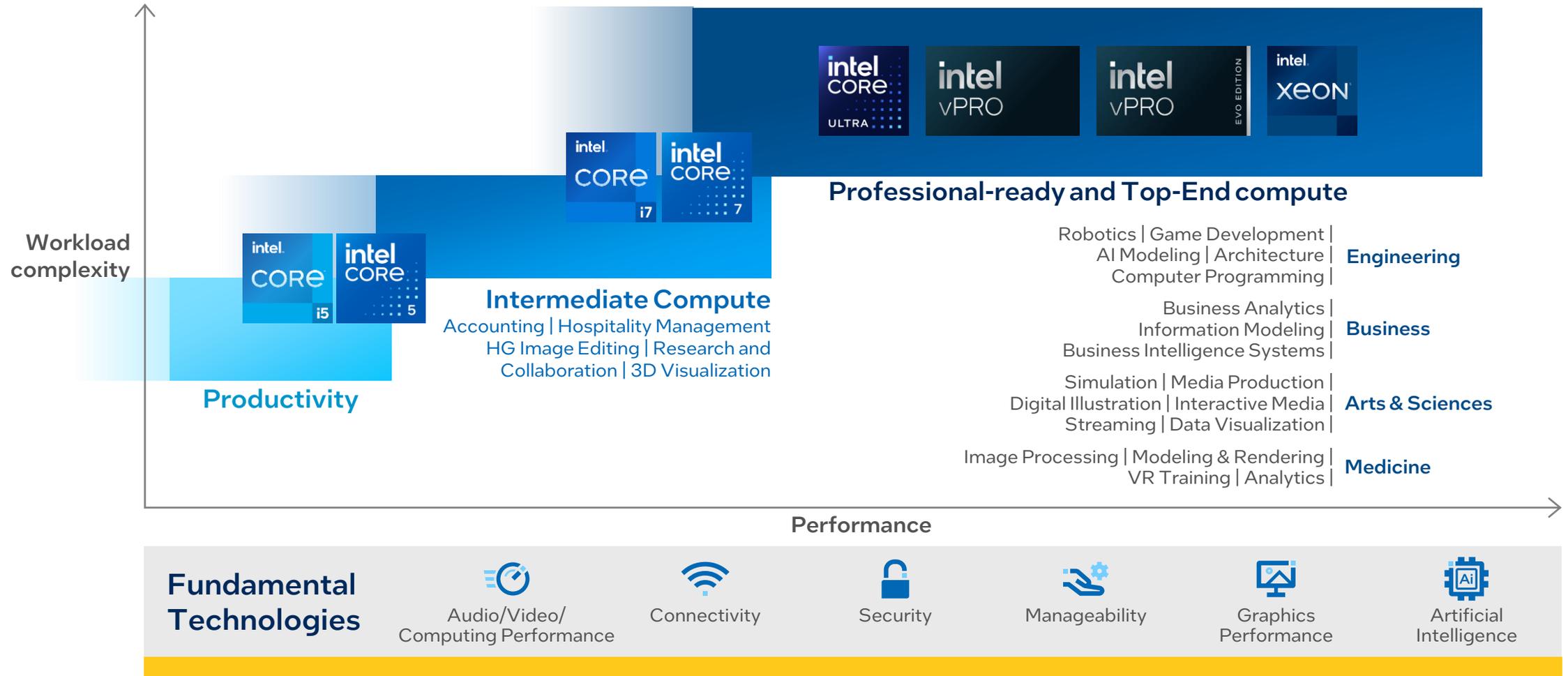**Pre-Pandemic**   **Pandemic**   **Today**   What's Next

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

| Competitive Esports |
| AI & Machine Learning |
| Simulation & Modeling |
| Data Science |
| Programming & Coding |
| Digital Content Creation |
| Video Conferencing / Hybrid/ HyFlex Learning |
| Web Apps & Productivity Tools |
| Digital Content Access |

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

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 specifically recommended for Labs and CET environments
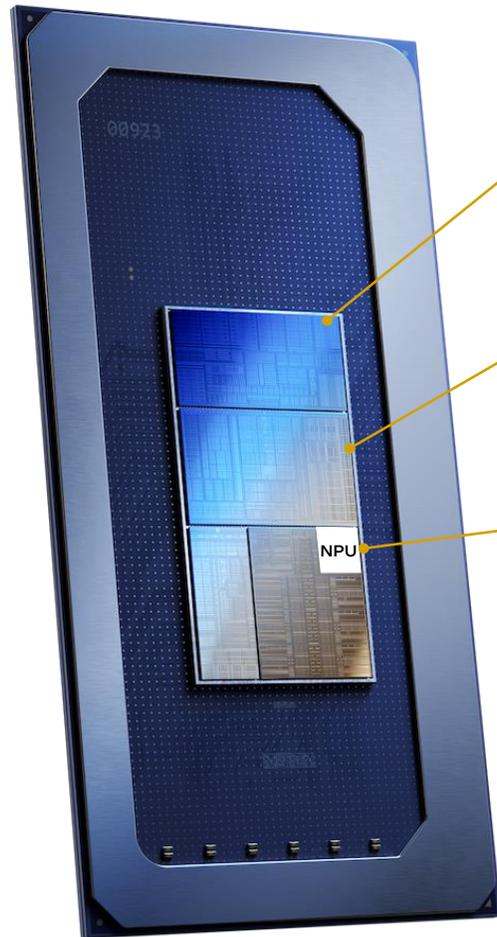
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Intel Delivers a Variety of Choices for Educators

Workload complexity

Professional-ready and Top-End compute

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

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

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

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

Intermediate Compute

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

Productivity

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	
GPU	**Performance Parallelism & Throughput** Ideal for AI infused in Media/3D/Render pipeline	
NPU	**Dedicated Low Power AI Engine** Ideal for sustained AI and AI offload	

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	Video Collaboration	Video Editing	Text to Image	AI Image Indexing	Music Separation & Voice to Text
web neural network, MATLAB, WebNN	zoom, Microsoft Teams, webex by CISCO	Adobe, MAGIX, ByteDance, wondershare	Stable Diffusion, gimp	mylio	Audacity

Optimized LLMs	Gesture Controls	3D Rendering	Graphic Design	Video Streaming	Game Upscaling
stability ai, LLAMA 2	iQIYI	AUTODESK, D5 RENDER	KRITA, Distinct AI, Adobe	XSplit	XeSS

Photo Editing	Personal Assistant	AI Accessibly	Workstation	AI Audio Enhancement	Data Visualization
TOPAZ LABS, SKYLUM software, Adobe	Microsoft	OMNIBRIDGE, Windows	Adobe, AUTODESK	ELEVOC, krisp, intelliGo Technology Inc., WAVES	

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

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Battery	vPro	CrossMark	CrXPRT 2	WebXPRT 4	Launch/Available in
Lenovo 500e Yoga Chromebook Gen 4		Intel Processor N100 (Q1'23)	Chrome OS	2-in-1 with pen	8 GB	12,2" touch 1920x1200	Intel® Wi-Fi® 6	Intel® UHD Graphics	64 GB	47Wh	Nein				Erhältlich ab: Q2/23 82W4000GGE Deutschland
Lenovo 14e Chromebook Gen 3		Intel Core i3 N305 (Q1'23)	Chrome OS	Notebook	8 GB	14" no touch 1920x1080	Intel® Wi-Fi® 6	Intel® UHD Graphics	128 GB	57Wh	Nein				Erhältlich ab: Q4/23 82W6001SGE Deutschland

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

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Batery	vPro	CrossMark	CrXPRT 2	WebXPRT 4	Launch/Available in
IdeaPad Flex 5 Chrome 14IAU7		Intel® Core™ i3 1215U (Q1'22)	Chrome OS	2-in-1	8 GB	14" touch 1920x1200	Intel® Wi-Fi® 6	Intel® UHD Graphics	256GB	51Wh	Nein				Erhältlich ab: Q2/22 82T50010GE Deutschland
IP Flex 5 Chrome 14IAU7 (Plus)		Intel® Core™ i3 1315U (Q1'23)	Chrome OS	2-in-1	8 GB	14" touch 1920x1200	Intel® Wi-Fi 6E	Intel® UHD Graphics	256GB	45Wh	Nein				Erhältlich ab: Q3/22 83EK0004GE Deutschland

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

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Batery	vPro	CrossMark	CrXPRT 2	WebXPRT 4	Launch/Available in
IdeaPad Flex 5 Chrome 14IAU7		Intel® Core™ i5 1235U (Q1'22)	Chrome OS	2-in-1	8GB	14" touch 1920x1200	Intel® Wi-Fi 6E	Intel® Iris® Xe Graphics	256GB	51Wh	Nein				Erhältlich ab: Q2/22 82T5000TGE Deutschland