The right devices for Education from Acer with Microsoft & Intel

June 2024

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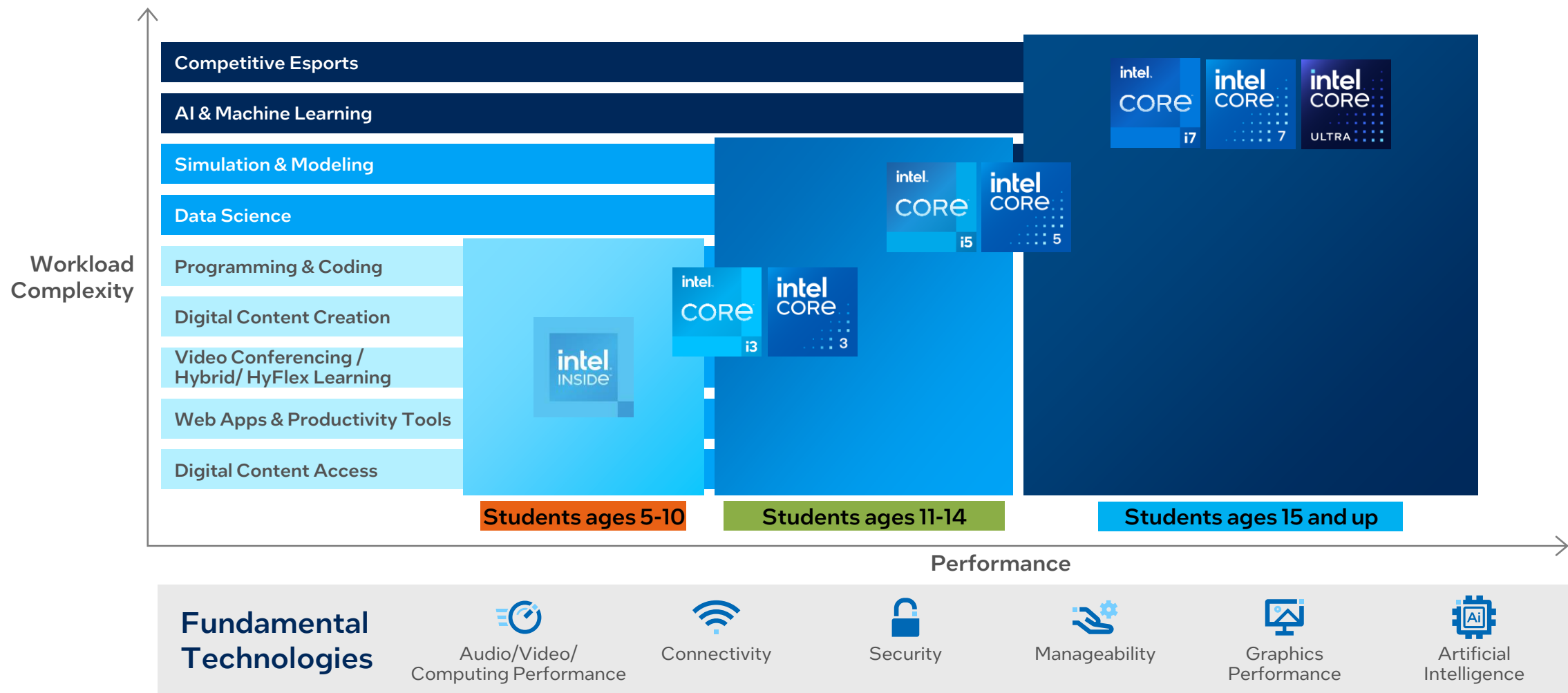
2024-June-18th

Evolving Learning Modalities

Learning Modalities (y-axis)

Time (x-axis)

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
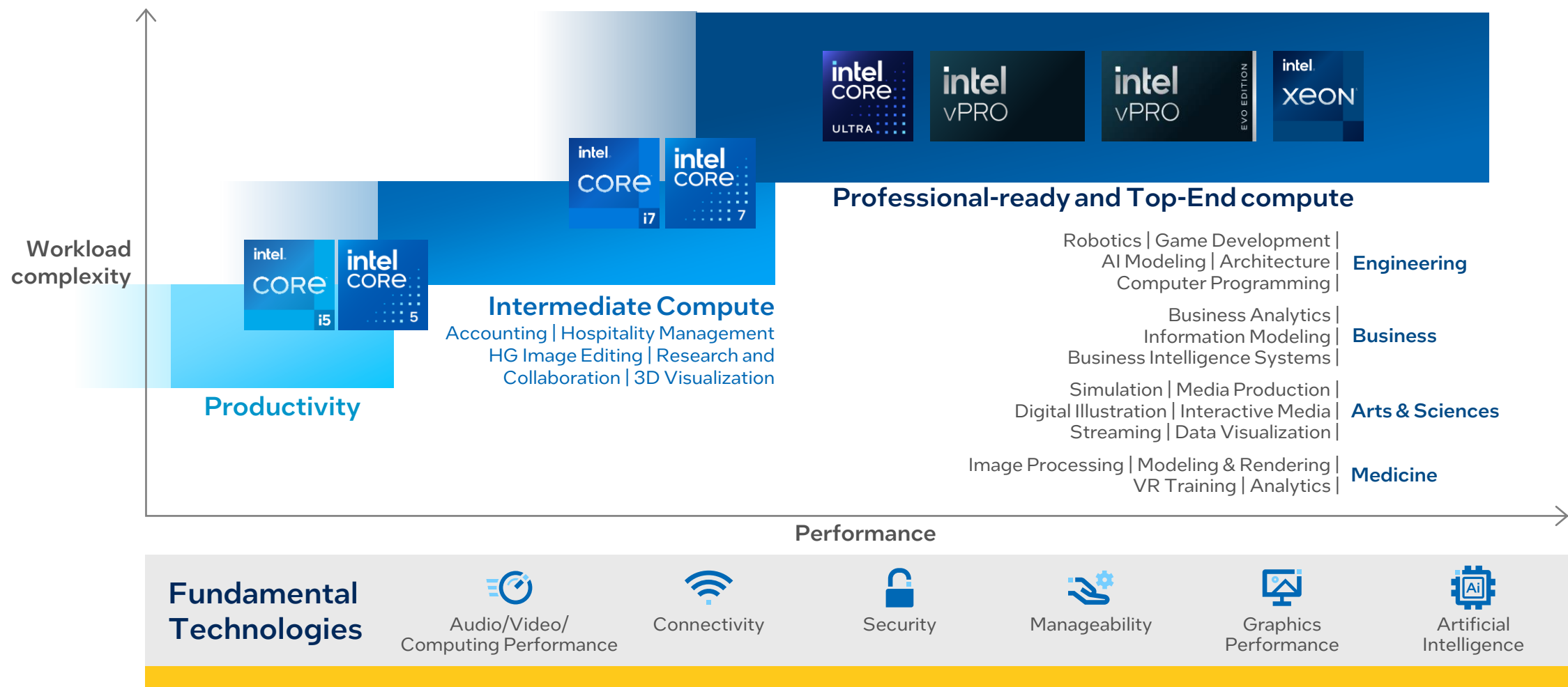**Blended Learning w/ Enriched Immersive Experiences = Edu-Verse**

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 |

intel INSIDE™

intel CORE i3

intel CORE 3

intel CORE i5

intel CORE 5

intel CORE i7

intel CORE 7

intel CORE ULTRA

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

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
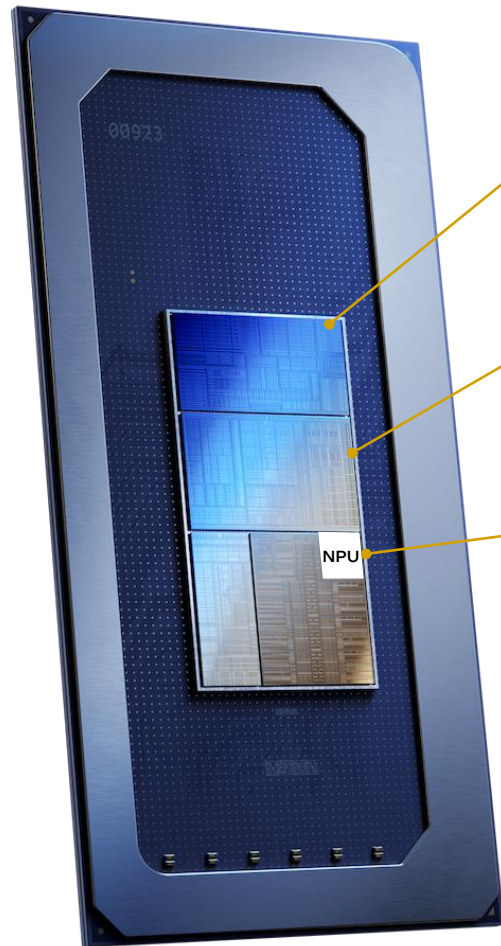
CPU	**Fast Response** Ideal for lightweight, single-inference, low-latency AI tasks	Office · LibreOffice · WPS Office · Power BI · tableau · Google Workspace · D5 RENDER · Visual Studio Code · MATLAB · Visual Studio
GPU	**Performance Parallelism & Throughput** Ideal for AI infused in Media/3D/Render 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
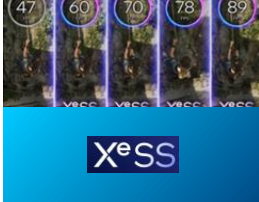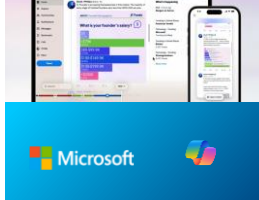
AI Avatars
Faceunity Technology

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
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
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	vPro	Sysmark 25	CrossMark	Launch/Available in
Acer TravelMate Spin B3 (TMB311RN-33-TCO)		Intel® Processor N100 (Q1'23)	Windows 11 OS	Convertible	4GB	11.6" FHD IPS touch w/pen	Intel® Wi Fi® 6	Intel® UHD Graphics	128GB	50Wh Li-ion battery / 10h	No			Poland
Acer TravelMate B5 (TMB514-31-TCO)		Intel® Core™ i3 N305 (Q1'23)	Windows 11 OS	Clamshell	8GB	14" FHD IPS SlimBezel	Intel® Wi Fi® 6E	Intel® UHD Graphics	128G	50Wh Li-ion battery / 7,5h	No			Poland

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

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Batery	vPro	Sysmark 25	CrossMark	Launch/Available in
Acer Extensa 15 (EX215-55)		Intel® Core™ i3 1215U (Q1'22)	Windows 11 OS	Clamshell	8GB	15.6" FHD IPS SlimBezel	Intel® Wi Fi® 6	Intel® UHD Graphics	256G	50Wh Li-ion battery / 6,5h	No			Poland
Acer Travelmate P2 (P214-55) (TCO)		Intel® Core™ i3 1315U (Q1'23)	Windows 11 OS	Clamshell	8GB	14" FHD IPS SlimBezel	Intel® Wi Fi® 6	Intel® UHD Graphics	256GB	50Wh Li-ion battery / 9h	No			Poland

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	Sysmark 25	CrossMark	Launch/Available in
Acer TraveMate P2 (P215-54) (TCO)		Intel® Core™ i5 1235U (Q1'22)	Windows 11 OS	Clamshell	8GB	15.6" FHD IPS SlimBezel	Intel® Wi Fi® 6	Intel® UHD Graphics	512GB	50Wh Li-ion battery / 8,5h	No			Poland
Acer Travelmate P2 (P216-51) (TCO)		Intel® Core™ i5 1335U (Q1'23)	Windows 11 OS	Clamshell	8GB	16" WUXGA IPS SlimBezel	Intel® Wi Fi® 6	Intel® UHD Graphics	512GB	50Wh Li-ion battery / 13h	No			Poland

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

Device		CPU	OS	Design	Memory	Display	Wi-Fi	Graphics	SSD	Batery	vPro	Sysmark 25	CrossMark	Launch/Available in
Acer Travelmate P4 (P416-52-TCO)		Intel® Core™ i5 1355U (Q1'23)	Windows 11 OS	Clamshell	16GB	16" WUXGA IPS SlimBezel	Intel® Wi Fi® 6E	Intel® Xe Iris Graphics	512GB	56Wh Li-ion battery / 10h	No			Poland
Acer Travelmate P4 Spin (P414RN-54-G3)		Intel® Core™ Ultra 5 125U (Q4'23) NPU	Windows 11 OS	2-in-1	32GB	14" WUXGA 1920x1200 Touch	Intel® Wi Fi® 6E	Intel ARC	512 GB	53Wh Li-ion battery	No			Poland