# The right devices for Education from Dell with Microsoft & Intel

June 2024

**Germany**

DELL Technologies | Microsoft | intel

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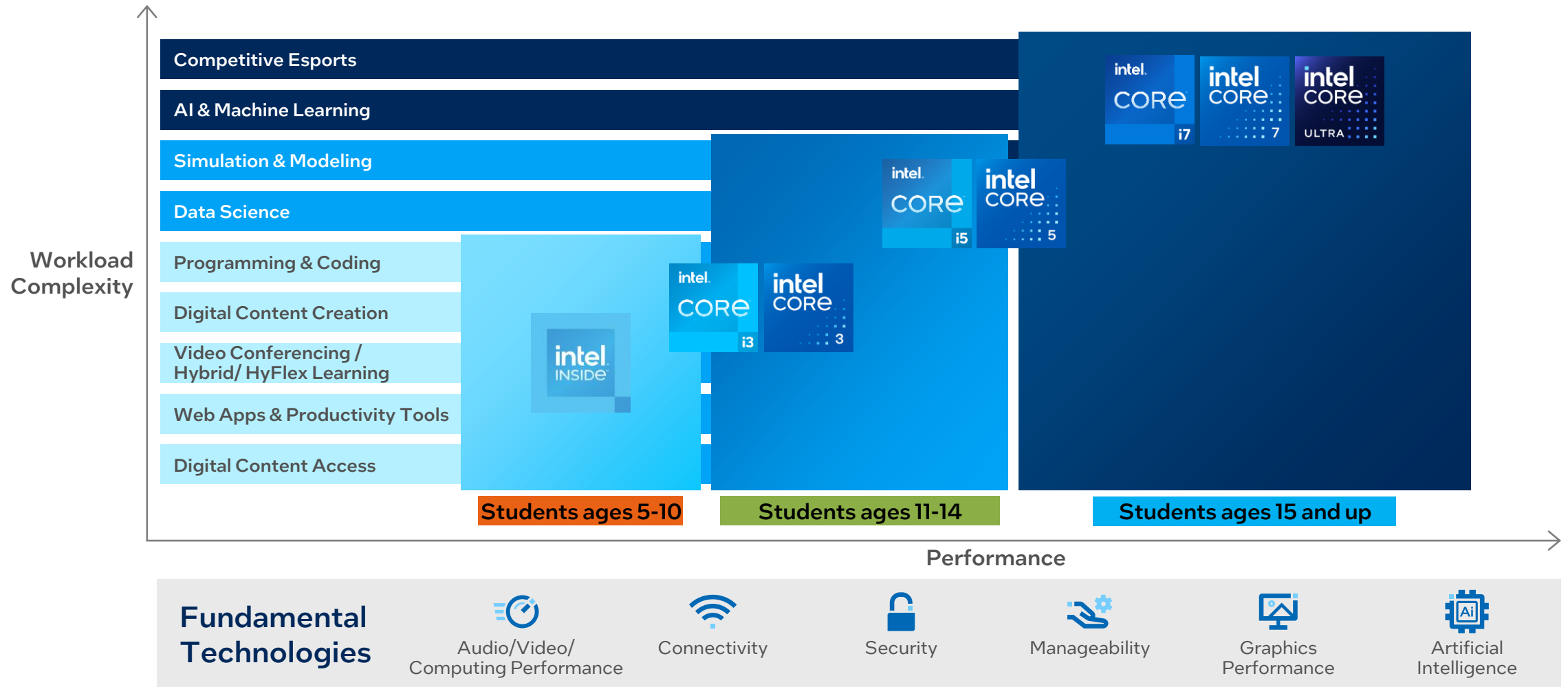
2024-June-18th

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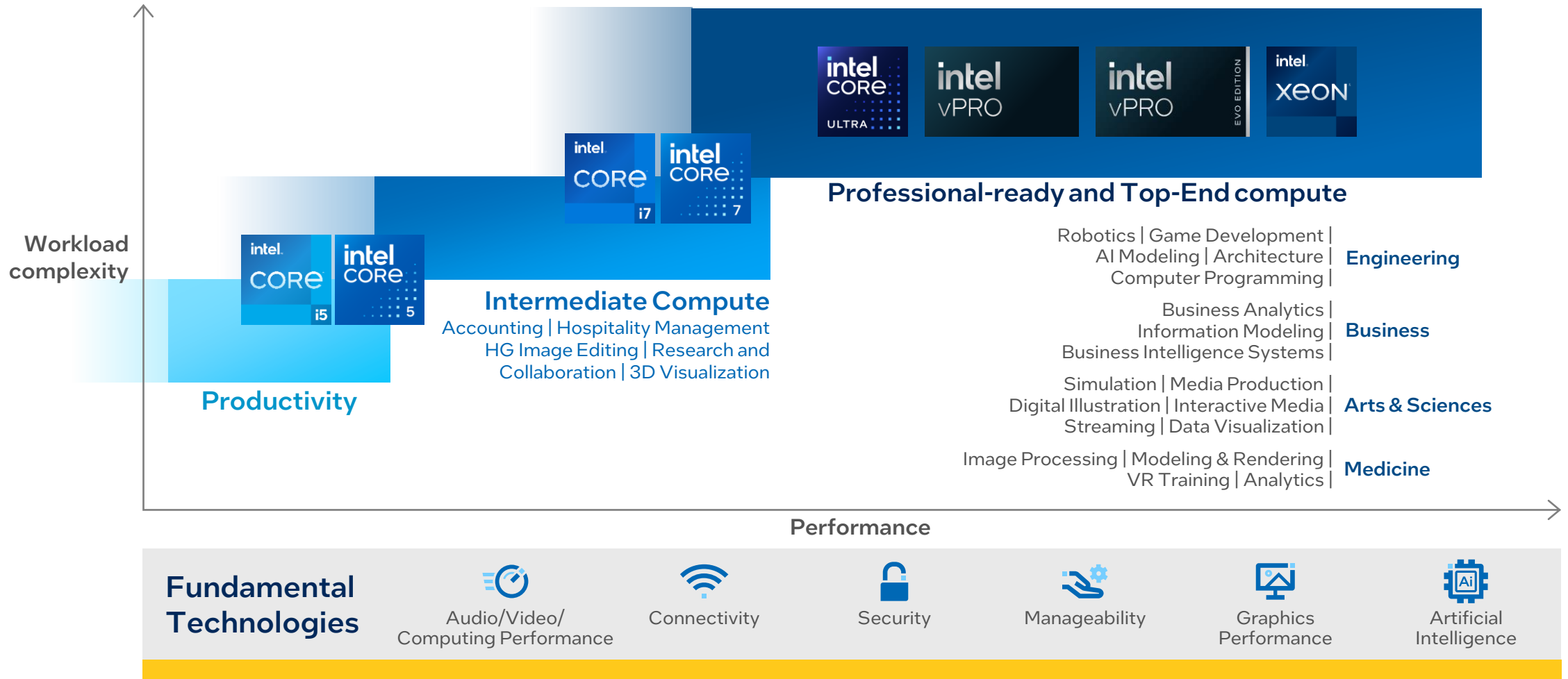
**Pre-Pandemic**   **Pandemic**   **Today**   What's Next

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**

**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 Intelligence Systems | **Business**

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

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
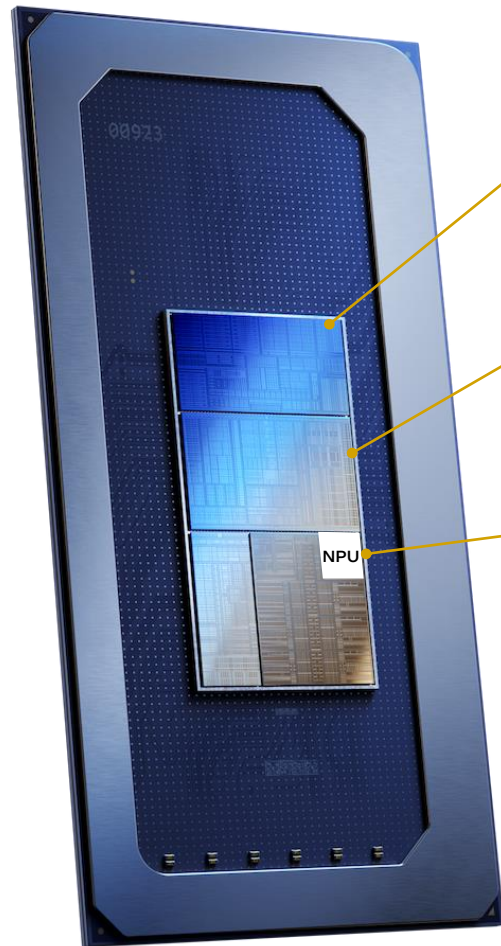
| | | |
|---|---|---|
| **CPU** | **Fast Response**<br>Ideal for lightweight, single-inference, low-latency AI tasks | Office, LibreOffice, WPS Office, Power BI, tableau, Google Workspace, D5 RENDER, Visual Studio Code, MATLAB, Visual Studio |
| **GPU** | **Performance Parallelism & Throughput**<br>Ideal for AI infused in Media/3D/Render pipeline | TOPAZ LABS, MAGIX, SKYLUM, Adobe, Blackmagicdesign, HandBrake |
| **NPU** | **Dedicated Low Power AI Engine**<br>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

## Base – Verfügbare Lösungen für: Schüler: innen (6-10 Jahre)

| Device | | CPU | OS | Design | Memory | Display | Wi-Fi | Graphics | Storage | Battery | vPro | Sysmark 25 | CrossMark | Launch/Available in |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Latitude 3140 | | Intel® Processor N100 (Q1'23) | Windows 11 OS | Clamshell | 4GB | 11.6" (1366x768) Anti-glare | Intel® Wi-Fi® 6 | Intel® UHD Graphics | 64GB eMMC | 53Wh/14h | No | | | Germany |
| Latitude 3140 2in1 | | Intel® Processor N200 (Q1'23) | Windows 11 OS | 2-in-1 | 8GB | 11.6" (1366x768) Touch, with Dragontrail Pro Glass | Intel® Wi-Fi® 6 | Intel® UHD Graphics | 128GB UFS | 53Wh/14h | No | | | Germany |

## Good – Verfügbare Lösungen für: Schüler: innen (10-14 Jahre)

| Device | | CPU | OS | Design | Memory | Display | Wi-Fi | Graphics | SSD | Batery | vPro | Sysmark 25 | CrossMark | Launch/Available in |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Latitude 3340 | | Intel® Core™ i3 1215U (Q1'22) | Windows 11 OS | Clamshell | 8GB | 13.3" FHD,NT,250,FHD Cam | Wi-FI 6E | Intel® UHD Graphics | 256GB | 42Wh/9h | No | | | Germany |
| Latitude 3340 2in1 | | Intel® Core™ i3 1315U (Q1'23) | Windows 11 OS | 2-in-1 | 8GB | 13.3" FHD,T,250,FHD Cam,2in1 | Wi-FI 6E | Intel® UHD Graphics | 256GB | 42Wh/9h | No | | | Germany |

## Better - Verfügbare Lösungen für: Lehrende und Schüler: innen (ab 15 Jahren / Aufbau digitaler Kompetenzen)

| Device | | CPU | OS | Design | Memory | Display | Wi-Fi | Graphics | SSD | Batery | vPro | Sysmark 25 | CrossMark | Launch/Available in |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Latitude 3440 | | Intel® Core™ i5 1235U (Q1'22) | Windows 11 OS | Clamshell | 8GB | 14", FHD, 60 Hz, WVA/IPS, NT, anti-glare | Intel® Wi-Fi 6E | Intel® UHD Graphics | 256GB | 42/Wh/9h | No | | | Germany |
| Latitude 3540 | | Intel® Core™ i5 1335U (Q1'23) | Windows 11 OS | Clamshell | 8GB | 15.6" FHD,60 Hz, WVA/IPS,NT, anti-glare | Intel® Wi-Fi 6E | Intel® Iris® Xe | 256GB | 54Wh/12h | No | | | Germany |

## Best – Verfügbare Lösungen für: Lehrende und Schüler: innen (Erweiterte Nutzung)

| Device | | CPU | OS | Design | Memory | Display | Wi-Fi | Graphics | SSD | Batery | vPro | Sysmark 25 | CrossMark | Launch/Available in |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Latitude 3450 | | Intel® Core™ i5 1345U (Q1'23) | Windows 11 OS | Clamshell | 16GB | 14", FHD, 400, IR CAM, NT, WLAN | Wi-FI 6E AX211 | Intel Integrated Graphics | 512GB | 42Wh/9h | No | | | Germany |
| Latitude 5450 | | Intel® Core™ Ultra 5 125U (Q4'23) NPU | Windows 11 OS | Clamshell | 16GB | 14", FHD, IPS, AG, FHD cam, NT | Wi-FI 6E AX211 | Intel Integrated Graphics | 512 GB | 54Wh/12h | No | | | Germany |
| Latitude 5550 | | Intel® Core™ Ultra 7 165U (Q4'23) NPU | Windows 11 OS | Clamshell | 16GB | 15.6" FHD,IPS, AG,NT, FHD+IR Cam | Wi-FI 6E AX211 | Intel Integrated Graphics | 512 GB | 54Wh/12h | vPro Enter prise | | | Germany |