

Transformative New Era

The world of work is evolving to present a fresh canvas of new skills, roles and functions. Repetitive tasks are less relevant than ever before, with the highest value work centered on creativity, analysis, technical acumen, and soft human skills. This brave new world of work is also inevitably changing the way students learn, with technologies such as AR, VR and AI offering improved ways to digest information.

With a very quickly changing landscape, Institutions and Universities are also being tasked with enabling self-directed and collaborative distant learning.

Powerful workstations provide the speed and capacity to help students fully immerse themselves in their studies in order to build a true understanding of key disciplines in science, technology, engineering, arts & humanities, math, and trades.

See the most common industry workflows below.



STEAM

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Vocational Education

[Find Out More](#)

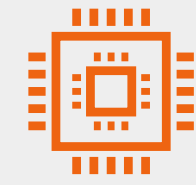


STEAM

Science | Technologies | Engineering | Arts & Humanities | Math



EDUCATIONAL FUNDING



ACCESSIBILITY AND TRAINING FOR STUDENTS UTILIZING THE LATEST TECHNOLOGY



LEARNING DEVELOPMENT IN THE 21ST CENTURY



TEACHER SHORTAGE

Challenges:

1. An enormous challenge today is to re-design the school curriculum to better prepare students for life and work in the 21st century.
2. Providing technology resources that will allow students and educators to utilize the applications required to build and study the solutions for their discipline.
3. How to find the necessary funding to build the required infrastructure to meet the new challenges such as self-directed, distant & continued learning.

Overcome these challenges with Dell's solutions below:

Students

| | | |
|---|---|---|
| Entry Level Business Find Out More | Entry Level VR/ Mobile Find Out More | Performance Mobile Find Out More |
|---|---|---|

Educators

| | | |
|--|--|---|
| Compact Performance Find Out More | Thin & Lite Performance Find Out More | Performance Mobile Find Out More |
| Entry Level Fixed Find Out More | Mid-Level Performance Find Out More | Performance Fixed Solution Find Out More |

AI / Data Science

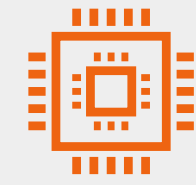
| | |
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| Mid-Level Find Out More | Ultra-Performance Find Out More |
|--|--|



Vocational Education



EDUCATIONAL FUNDING



EVOLUTION OF TECHNOLOGY
IN TRADES



DISTANT AND CONTINUED
LEARNING IN THE
21ST CENTURY



VOCATIONAL CURRICULUM

Challenges:

1. As technology changes it is critical that schools develop curriculums on the latest technological advances so that their students are not mastering outdated technologies.
2. An enormous challenge today is to re-design the school curriculum to better prepare students for life and work. Provide technology that will allow Self Directed, Distant and Continued learning in the new global environment.
3. How to find the necessary funding to build the required infrastructure to meet the new challenges. We have to invent new learning solutions that address the increasing gap between accelerating knowledge and the shrinking education budgets.

Overcome these challenges with Dell's solutions below:

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AI / Data Science

| | |
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| Mid-Level Find Out More | Ultra- Performance Find Out More |
|--|--|



Entry-Level Business Solution

Precision 3551 Mobile Workstation

These small and customizable 15" mobile workstations have the power of a workstation at a price comparable to a PC. Enjoy workstation-level performance with the latest industry enhancements involving direct and third-party technology to increase productivity.

Big performance. Small footprint.

The right equipment: Up to 10th Gen Intel® Core™ and Xeon® vPro® processors offer businesses the performance, manageability, built-in security features, and stability of Intel® architecture and align to a future-proof roadmap.

Intelligent performance: Dell Optimizer for Precision uses built-in AI that learns how you use your system and applications, adjusting settings in the background to improve overall performance.

Professional graphics: Working with 2D and 3D CAD is easy with NVIDIA Quadro® P620 graphics with 4GB of memory.



Faster, more dependable.

Memory: Accelerate workflows and improve response time with high-speed memory, up to 64GB at 2933MHz.

Store your creations: Keep your designs local with up to 4TB of high-speed dual storage.

Power on: Get up to 20 hours of battery life with an optional 6-cell 97Whr Express-Charge-capable battery.

Get connected: Hookup all of your accessories with ports that include Thunderbolt™, HDMI, USB and more.



[Dell Precision 3551 Mobile Workstation Spec Sheet](#)



Dell Timbuk2 Authority Backpack

Built to carry and protect everything you need to get your job done. The durable lightweight construction incorporates a quilted laptop sleeve.

Dell UltraSharp 27 Ultrathin Monitor | U2719DC

See fine details and true-to-life color on this 27" QHD monitor in an innovative, stylishly thin design with USB-C connectivity.



Dell Thunderbolt Dock | WD19TB

Boost your PC's power with ExpressCharge Boost on the world's most powerful and first modular Thunderbolt dock with a future-ready design.



Thin & Lite Mobile Performance

Precision 5550 Mobile Workstation

Dell Precision workstations provide the latest industry enhancements involving direct and third-party applications to increase performance and productivity by accelerating access to complex and large workflows.



Precision 5550 Mobile Workstation

- CPU: Intel® Xeon/i7/i9
- Memory: 16/64GB 2933MHz
- Storage: 1 X 1TB + NVMe
- Graphics: NVIDIA® Quadro T1000/2000

[Precision 5550 Mobile Workstation Spec Sheet](#)

Show off your work.

InfinityEdge display with PremierColor ensures brilliant, virtually borderless viewing.

Stays cool.

A revolutionary cooling system with dual fans improves airflow and keeps your system cool under heavy workloads.

Reliable, fast memory.

Accelerate workflow with up to 64GB of 2933MHz DDR4 memory speeds.

Quick office integration.

Thunderbolt™ 3 Type-C with x4 PCIe and HDMI 2.0 ports enable 4K video connectivity at 60 frames per second.



Dell Premium Wireless Keyboard and Mouse | KM717

Enhance productivity and enjoy its elegant design that will fit into virtually any workspace. For increased productivity, you can simultaneously pair up to two compatible devices with Bluetooth LE.



Dell Thunderbolt Dock | WD19TB

Boost your PC's power with ExpressCharge Boost on the world's most powerful and first modular Thunderbolt dock with a future-ready design.



Dell UltraSharp 49 Curved Monitor | U4919DW

A revolutionary 49" dual QHD curved monitor with ultra wide views, multitasking features and seamless connectivity for an immersive work experience.



Performance Mobile Solution

Precision 7550/7750 Mobile Workstations

The Dell Precision 7550/7750 mobile workstations provide a platform that can accommodate the top tier NVIDIA® GPU and Intel® CPU components required to address the demands of Engineering, Media & Entertainment, as well as Energy workloads, assignments and student projects. For educators, these systems are additionally a great choice for VR/AR learning labs, and AI applications.



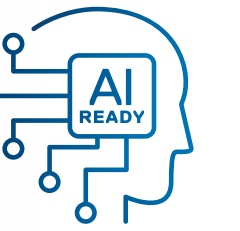
Unleash peak performance.

Put performance where you need it most. Redesigned to be thinner, lighter and Ready for VR. Featuring the latest Intel® Core™ and Xeon® 6/8 Core processors.

- CPU: Intel® 6/8 Core™ i7, i9, Xeon
- Memory: 32/128GB 2933 MHz
- Storage: 2 X 1TB + NVMe
- Graphics: NVIDIA® Quadro RTX™ 5000

[Dell Precision 7550 Mobile Workstation Spec Sheet](#)

[Dell Precision 7750 Mobile Workstation Spec Sheet](#)



Redefine reality.

Create fully-immersive AR and VR content with next generation NVIDIA® Quadro™ professional graphics and powerful performance normally found only in tower workstations.

READY FOR



Dell Premium Wireless Keyboard and Mouse | KM717

Enhance productivity and enjoy its elegant design that will fit into virtually any workspace. For increased productivity, you can simultaneously pair up to two compatible devices with Bluetooth LE.



Dell Thunderbolt Dock | WD19TB

Boost your PC's power with ExpressCharge Boost on the world's most powerful and first modular Thunderbolt dock with a future-ready design.

Dell UltraSharp 27 Ultrathin Monitor | U2719DC

See fine details and true-to-life color on this 27" QHD monitor in an innovative, stylishly thin design with USB-C connectivity.



HTC Vive Focus Plus

Wireless VR Solution. Go where non-commercial VR headsets can't. Create immersive, state-of-the-art applications that cater to a wide range of use cases.



HTC Vive Pro Eye

Tethered VR Solution. Engage your learning environments with high visual and audio fidelity, combined with a comfortable design for prolonged use.



Entry-Level VR/Mobile Solution

Precision 5750 Mobile Workstation

The Dell Precision 5750 mobile workstation builds upon this with the unique combination of a thin and light chassis, with the flexibility to be configured with NVIDIA® RTX and T2000 GPU's typically only seen in tower workstations, all of this allow the 5750 to easily manage demanding VR workflows.



[Dell Precision 5750 Mobile Workstation Spec Sheet](#)

Performance for your vision.
Dell's thin and light 17" mobile workstation features next-gen Intel® processors and professional graphics for an immersive work experience and enhanced performance.

- Precision 5750 Mobile Workstation**
- CPU: Intel® Xeon/i7/i9
 - Memory: 16/64GB 2933MHz
 - Storage: 1 X 1TB + NVMe
 - Graphics: NVIDIA® Quadro T1000/2000 or RTX 3000

Show off your work.
InfinityEdge display with PremierColor ensures brilliant, virtually borderless viewing.

Stays cool.
A revolutionary cooling system with dual fans improves airflow and keeps your system cool under heavy workloads.

Reliable, fast memory.
Accelerate workflow with up to 64GB of 2933MHz DDR4 memory speeds.

Quick office integration.
Thunderbolt™ 3 Type-C with x4 PCIe and HDMI 2.0 ports enable 4K video connectivity at 60 frames per second.



Dell Premium Wireless Keyboard and Mouse | KM717
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Dell Thunderbolt Dock | WD19TB
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Dell UltraSharp 27 Ultrathin Monitor | U2719DC
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HTC Vive Pro Eye
Tethered VR Solution. Engage your learning environments with high visual and audio fidelity, combined with a comfortable design for prolonged use.



Compact Workstation

– Performance in an Ultra Small Form Factor

Precision 3240 Compact Workstation

The Dell Precision 3240 Compact is an ultra small form factor workstation that provides the latest industry enhancements involving direct and third party technology to increase performance and productivity for engineering, architecture, first responder (AR/VR), and bio-med students utilizing industry leading applications that require the power of a workstation.

Create without limits.

Power through intensive tasks easily with 10th Generation Intel® Core™ or Xeon® processors and faster memory speeds of up to 2933MHz, capacity up to 64GB. Run applications at top speeds with up to NVIDIA Quadro® RTX 3000 professional graphics, a NVIDIA exclusive platform for the 3240 Compact. Scalable storage with PCIe NVMe SSD options, up to 4TBs, deliver plenty of room for your projects.



Precision 3240 Compact Workstation Spec Sheet



Space-saving design.

The ultra small form factor and several mounting options, such as behind the monitor or under the desk, make it ideal for space-constrained workspaces that need workstation-class performance and reliability. Optional WiFi capabilities and a range of accessible ports keep you connected to everything you need, while protective dust and cable covers make it great for Edge computing.



Keyboard and Mouse | KM7120W

Designed to work seamlessly across 3 devices, this compact keyboard mouse combo keeps your desk clutter-free and lets you stay productive with up to 36 months** of battery life.



Dell Utrasharp 27 USB-C Monitor | U2719DC

See fine details and true-to-life color on this 27" QHD monitor in an innovative, stylishly thin design with USB-C connectivity.



Dell Pro 1/1.5 Monitor Stand Mount

The monitor stand mount allows the Precision 3240 Compact to be firmly mounted behind select stands and monitors, as shown above (mounted on back of P2720DC monitor).



Precision Compact Dual Vesa Mount

Securely house the Precision 3240 Compact and the monitor using a single or dual monitor arm on your desk with this mount.



Entry Level Fixed Solution

Precision 3640 Tower Workstation

Dell Precision workstations provide the latest industry enhancements involving direct and third-party technology to increase performance and productivity by accelerating access to complex and large workflows/simulations.



Professional performance

Blaze past limits: Power through the most intensive tasks thanks to faster memory speeds of up to 2933MHz, 128GB, ECC memory optional.

Peak Performance: Up to 10th Gen Intel® Core™ and Xeon® vPro® processors offer businesses the performance, manageability, built-in security features, and stability of Intel® architecture and align to a future-proof roadmap.

[Dell Precision 3640 Tower Workstation Spec Sheet](#)



Expandable and flexible: Scalable storage featuring SATA and PCIe NVMe SSDs can be configured for up to 30TB delivering top performance for complex projects.



Dell Premium Wireless Keyboard and Mouse | KM717

Enhance productivity and enjoy its elegant design that will fit into virtually any workspace. For increased productivity, you can simultaneously pair up to two compatible devices with Bluetooth LE.



Dell UltraSharp 27 Ultrathin Monitor | U2719DC

See fine details and true-to-life color on this 27" QHD monitor in an innovative, stylishly thin design with USB-C connectivity.



HTC Vive Pro Eye

Tethered VR Solution. Engage your learning environments with high visual and audio fidelity, combined with a comfortable design for prolonged use.



Mid-Level Performance Solution

Precision 5820 Tower

The Dell Precision 5820 Tower workstation provides the latest industry enhancements involving direct and third party technology to increase performance and productivity for engineering, architecture, first responder (AR/VR), and bio-med students utilizing industry leading applications that require the power of a workstation.



Perfected to your vision.

Expand your ideas with the Precision 5820 Tower. Featuring high performance in a new innovative, versatile compact design.

- CPU: Intel XEON®
- Memory: 64GB 2933MHz
- Storage: 2 X 1TB NVMe Class 50
- Graphics: NVIDIA® RTX™ 4000/5000/6000

[Dell Precision 5820 Tower Workstation Spec Sheet](#)



READY FOR

VR



Adapts to your innovations.

Your Precision 5820 Tower is ready for complex projects, including virtual reality workflows, with the next generation AMD Radeon Pro™ and highest-performing NVIDIA® Quadro™ graphics.



HTC Vive Pro Eye

Tethered VR Solution. Engage your learning environments with high visual and audio fidelity, combined with a comfortable design for prolonged use.



Dell Premier Wireless Keyboard and Mouse | KM717

Enjoy an elegant design that fits into virtually any workspace.

Dell UltraSharp 49 Curved Monitor | U4919DW

A revolutionary 49" dual QHD curved monitor with ultra wide views, multitasking features and seamless connectivity for an immersive work experience.



Performance Fixed Solution

Precision 7920 Tower/Rack Workstation

Dell Precision workstations provide the latest industry enhancements involving direct and third-party technology to increase performance and productivity by accelerating access to complex and large workflows/simulations.



Intelligent performance

The Precision 7920 Tower combines versatile design and ultimate storage scalability to grow with your vision no matter where it takes you.

Next gen performance: Power through your most complex and demanding applications quickly and efficiently with a new generation of dual-socket performance. Featuring the latest Intel® Xeon® vPro® processor Scalable family with up to 28 cores per processor or a total of 56 cores when customized with Dual processors.

Power your business: Up to Intel® Xeon® vPro® processors offer businesses the performance, manageability, built-in security features, and stability of Intel® architecture and align to a future-proof.

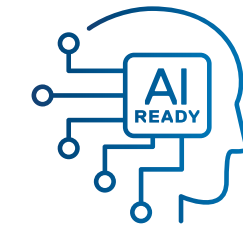


Room for everything: With up to 3TB of 2666 MHz RDIMM/LRDIMM expandable memory (requires dual processors), you can accelerate your workflow without slowdown.

Stay cool under pressure: Featuring a multichannel thermal design for advanced cooling and acoustics for a quieter overall system under heavy workloads.

No project is too big: Work with more flexibility thanks to a new FlexBay design with up to 10x2.5"/3.5" SATA/SAS drives or up to 4x M.2 or U.2 PCIe NVMe SSD.

[Dell Precision 7920 Tower Workstation Spec Sheet](#)



Dell Premium Wireless Keyboard and Mouse | KM717

Enhance productivity and enjoy its elegant design that will fit into virtually any workspace. For increased productivity, you can simultaneously pair up to two compatible devices with Bluetooth LE.



Dell UltraSharp 27 4K USB-C Monitor | U2720Q

Experience captivating details and true-to-life color reproduction on this brilliant 27" 4K monitor with the widest color coverage in its class.*



HTC Vive Pro Eye

Tethered VR Solution. Engage your learning environments with high visual and audio fidelity, combined with a comfortable design for prolonged use.



Mid-Level Data Science and AI Performance

Precision 5820 Tower

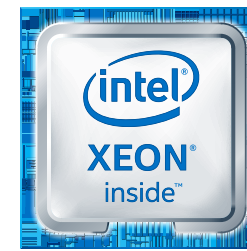
An entry-level single socket workhorse that instantly drives productivity.

Outstanding Performance from the *Intel® Xeon® W-Processor* Family of processors.

Latest GPUs as AI Accelerators using NVIDIA® Quadro RTX™ cards, up to Quadro RTX 8000, providing super-charged deep learning and inference capabilities.

Memory capacity up to 512GB ECC memory, allowing fast problem solving in RAM storage.

Better net value and security vs. cloud services without processing cycle fee constraints.



The NVIDIA® Quadro RTX™ GPU is reinventing the workstation to meet the demands of your AI workflows. It's powered by NVIDIA® Volta, delivering the extreme memory capacity, scalability, and performance that data scientists and deep learning researchers need to train the most complex of deep learning models.

Perfected to your vision.

Expand your ideas with the Precision 5820 Tower. Featuring high performance in an innovative, versatile compact design.

- Number of CPUs: 1
- CPU: Intel® Xeon® up to 18 cores
- Memory: 128GB 2933MHz
- GPU: 2x NVIDIA® Quadro RTX™ 6000 + NVIDIA® NVLink™
- Storage: 1TB NVMe
- Network: 1Gb integrated (10Gb Optional)



Built for your future.

Your Precision 5820 Tower grows with your ideas no matter where they take you, thanks to a flexible chassis that combines a versatile design with outstanding storage scalability.

[Dell Precision 5820 Tower Workstation Spec Sheet](#)

Dell Wireless Premium Keyboard and Mouse Combo | KM717

Keep your desk clutter-free with a modern wireless keyboard and mouse combo with scissor chiclet keys and LED tracking.



Dell UltraSharp 32 4K USB-C Monitor | U3219Q

Experience outstanding screen performance on this 31.5" 4K USB-C monitor featuring InfinityEdge and multitasking capabilities.



Data Science and AI Ultra Performance

Precision 7920 Tower

Our ultimate Precision 7920 Tower Deep Learning offering with massive amounts of compute, storage, and memory for the most demanding AI/ML training tasks.

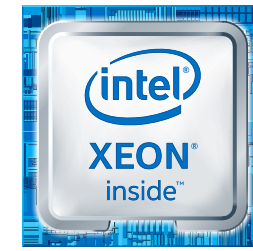
Outstanding Scalability using Dell Precision 7000 Series tower or rack workstations.

Paralleled performance from the *Intel® Xeon® Scalable Processor Family* containing up to 28 cores per processor.

Dual GPUs as AI Accelerators featuring up to 3 NVIDIA® Quadro RTX™ 6000/8000 cards + NVIDIA® NVLink™, providing up to 96GB of graphics memory for the largest of deep learning data sets and enhanced multiple-card compute performance.

Massive Memory capacity up to 3TB allowing fast problem solving in RAM storage.

Better net value and security vs. cloud services without processing cycle fee constraints.



Max performance. Superior scalability.

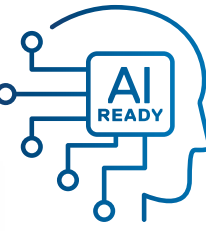
The new AI and Deep Learning enabled Precision 7920 Tower provides ultimate performance and scalability to grow alongside your vision.



- Number of CPUs: 2
- CPU: 20 core Intel® Xeon®
- Memory: 768GB 2933MHz ECC
- GPU: 2x NVIDIA® Quadro® RTX 6000/8000 + NVIDIA® NVLink™
- Storage (Boot): 2TB NVMe
- Storage 1 (Fast): 2x2TB NVMe
- Storage 2 (Archive): 12TB HDD
- Network: 1Gb integrated (2x10Gb Optional)



The NVIDIA® Quadro RTX™ 6000/8000 with NVIDIA® NVLink™ are reinventing the workstation to meet the demands of your AI workflows. It's powered by NVIDIA® Quadro RTX™, delivering the extreme memory capacity, scalability, and performance that data scientists and deep learning researchers need to train the most complex of deep learning models.



[Dell Precision 7920 Tower Workstation Spec Sheet](#)

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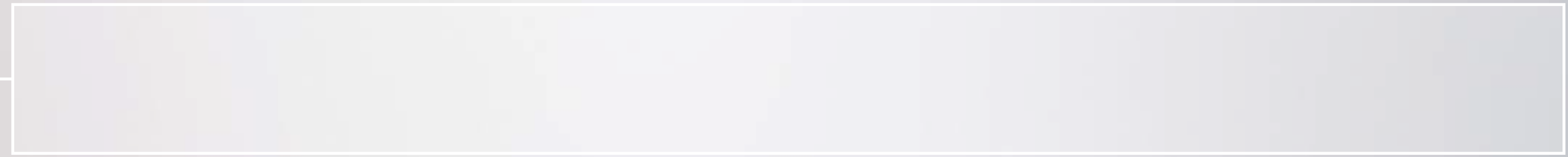
Dell UltraSharp 49 Curved Monitor | U4919DW

A revolutionary 49" dual QHD curved monitor with ultra wide views, multitasking features and seamless connectivity for an immersive work experience.



Dell Education Customer Stories

Click the buttons below



Dell Education Customer Stories

Click the buttons below

