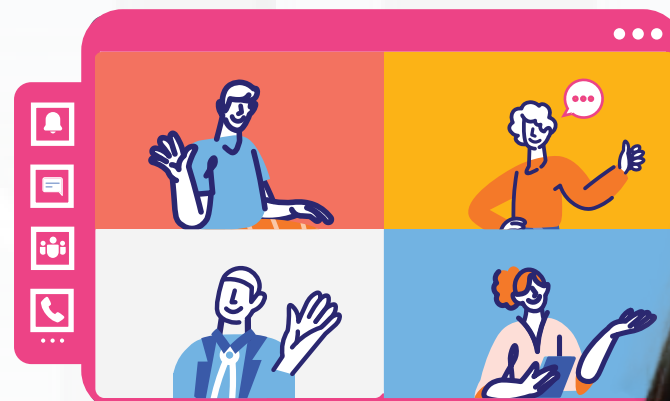


Lenovo
EdVision

**Smarter
technology
for all**

Lenovo



Smarter Learning Beyond The Classroom

EdVision Solution Guide



 **Windows 11**

Designed for Education





42% of employers believe new graduates are adequately prepared for the workforce in terms of creative, social, emotional, and technology skills”

A new era of blended learning

In the new normal, the rate at which technology is fundamentally changing the way we live, work, and interact has accelerated tremendously. Education needs to prepare students for their life beyond school, and equip them with the right skills to succeed in a digital world.



Rapid digital transformation

Offer effective hybrid learning, requiring remote management, teaching, and collaboration as well as a focus on security, even on home computers



Need for resilience and flexibility

Enable equitable learning options for all students at school and from home



Drive to prepare students for the future

Adequately prepare students for the future beyond schools, by equipping them with the skills and technology they'll need to achieve success

Addressing gaps in education transformation

The education sector needs to undergo next-level digital transformation that can empower students to discover the joy of learning beyond the physical classrooms. However, this mission comes with its unique set of challenges that need to be addressed with more comprehensive education solutions.

Technological challenges

- **Digital ID and trust**

Offer effective hybrid learning, requiring remote management, teaching, and collaboration as well as a focus on security, even on home computers digital accessibility and equity

- **Digital proctoring**

Leverage on accredited online-proctoring services for semester tests and exams, especially for students who opt to take assessments remotely

- **Cybersecurity**

An increase in organized and cartel-style ransomware attempts will result in 70% of schools fortifying their cybersecurity and data encryption defenses

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Operational challenges

- **Pandemic-safe campus operations**

Building campus safety, adopting technologies for capacity planning, contact tracing and physical safety to manage COVID-19 and other hazards

- **Automated admin & operations**

Leverage artificial intelligence (AI) and Robotic Process Automation (RPA) to automate various campus tasks to drive efficient administration and operations for enhanced learning outcomes

- **Outcomes-based procurement**

Deploy industry practices like “Technology Business Management” to quantify acquisitions, transitioning from purchasing hardware to software outcomes



Human challenges

- **Value-based learning metrics**

Evolving new digital pedagogies to track new KPIs that impact learning outcomes

- **Digital upskilling**

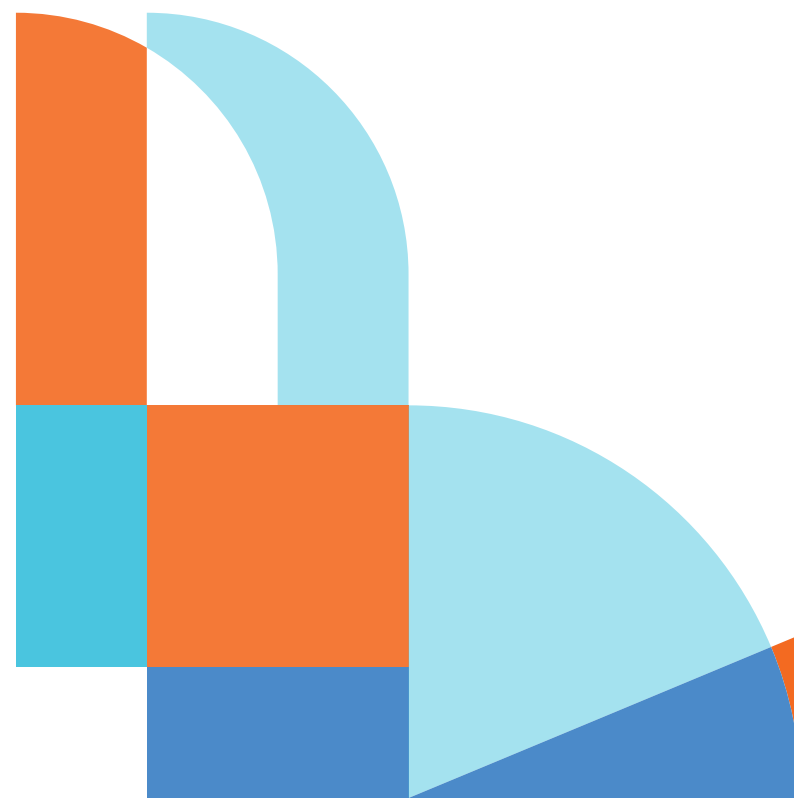
Educators and parents will undergo training to develop digital skills that foster better student engagement, knowledge acquisition and learning retention

- **Student journey blockchains**

Education sector will issue blockchain profiles which will follow students through student life and enable accreditation trails

- **Digital wellness**

Personalized wellbeing and counselling to help teachers, parents and students cope with the demands of remote learning



Smarter technology for Smarter learning

Moving forward, technology will continue to have a positive contribution to education.

A Microsoft research titled “Preparing the class of 2030” predicted that digital collaboration platforms, AI, and immersive, mixed reality will be powerful tools to address key teacher needs, including:

- Transforming classroom time to focus on personalized learning approaches
- Gaining insights into learning
- Inclusivity, to amplify the abilities of all students
- Developing critical skills through socially embedded experiences
- Providing immersive and multi-sensory experiences that prime learners for deeper engagement

The same study noted that implementing the right technology in the hybrid classroom to create personalized, inclusive, and immersive learning experiences help develop emotional and cognitive skills in conjunction with academic learning. Teachers were also able to get up to 30% more time back, enabling them to focus more resources on what matters most - their students.

Customer-centric, end-to-end solutions are therefore key to helping teachers and students reap the full benefits of online learning through:



Personalized Teaching



Engaged Learning



Parent - Educator Collaboration

While there are several models of personalized teaching and learning, the goal of each is to enrich and support deeper learning while transforming the classroom experience for each and every student. Although technology plays a key role in personalized teaching and engaged learning, it's the teacher's cultivation of the technology in the classroom and the parent's collaboration with the teachers and the community that leads to success.



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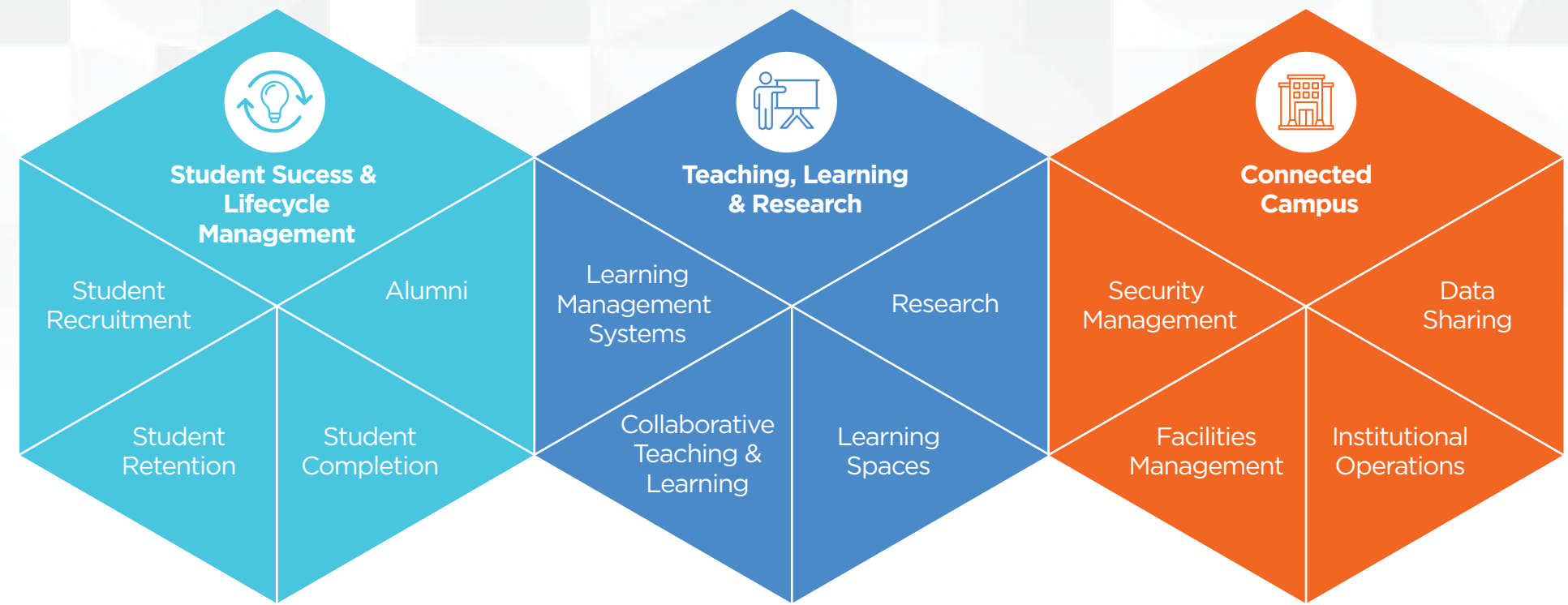
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Education Transformation Framework

Education Transformation Framework provides practical advice to develop a strategy for digital transformation; supporting new approaches to:

- ✓ Manage student success and lifecycle
- ✓ Modernize teaching and learning - Empower educators and inspire students with affordable devices and learning tools.
- ✓ Empower research
- ✓ Provide efficient and effective physical and digital infrastructure

Adopting Microsoft Education Transformation Framework



----- Transformative Outcomes -----

Helping every child to shine

The challenges for educators of today are greater than ever. Lenovo EdVision is committed to addressing the struggles that teachers face in online lesson delivery. Lenovo worked closely with Microsoft to create education software solutions that power the successful implementation of e-learning by enabling innovation and transformation that is centered on ease of understanding, flexibility, productivity, and collaboration of users.

A new, cloud-first Windows edition, Windows 11 SE offers the performance and reliability of Windows 11 with simplified design and modern management tools that are optimized for low-cost devices in educational settings. Featuring an easy-to-use interface plus an education-first menu of curated apps, Windows 11 SE comes on affordable devices that are pre-configured for student privacy and remote management. Schools can access a wide range of affordable, personalized devices that are built for inclusive, accessible learning, while schools conserve critical technology resources. And, with a cleaner interface and fewer distractions, Windows 11 SE helps students focus on learning while preserving valuable class time for instruction.

Personalized teaching

Students of all abilities and learning styles require focused, personalized learning to achieve success. Smarter learning solutions need to be able to address the unique needs and learning styles of each and every child.

Engaged learning

Whether at school or online, students need to be able to learn, connect, and collaborate with other learners and teachers, securely and at scale. Education needs to help them develop critical skills to ensure they are future-ready.

Parent-teacher collaboration

Effective parent-teacher partnership creates a nurturing, safe learning environment that can help students cope with the demands of a hybrid learning model, both at home and at school.

“Students who receive personalized instruction perform better than **98%** of traditionally taught students”

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Lenovo Products

 Windows 11

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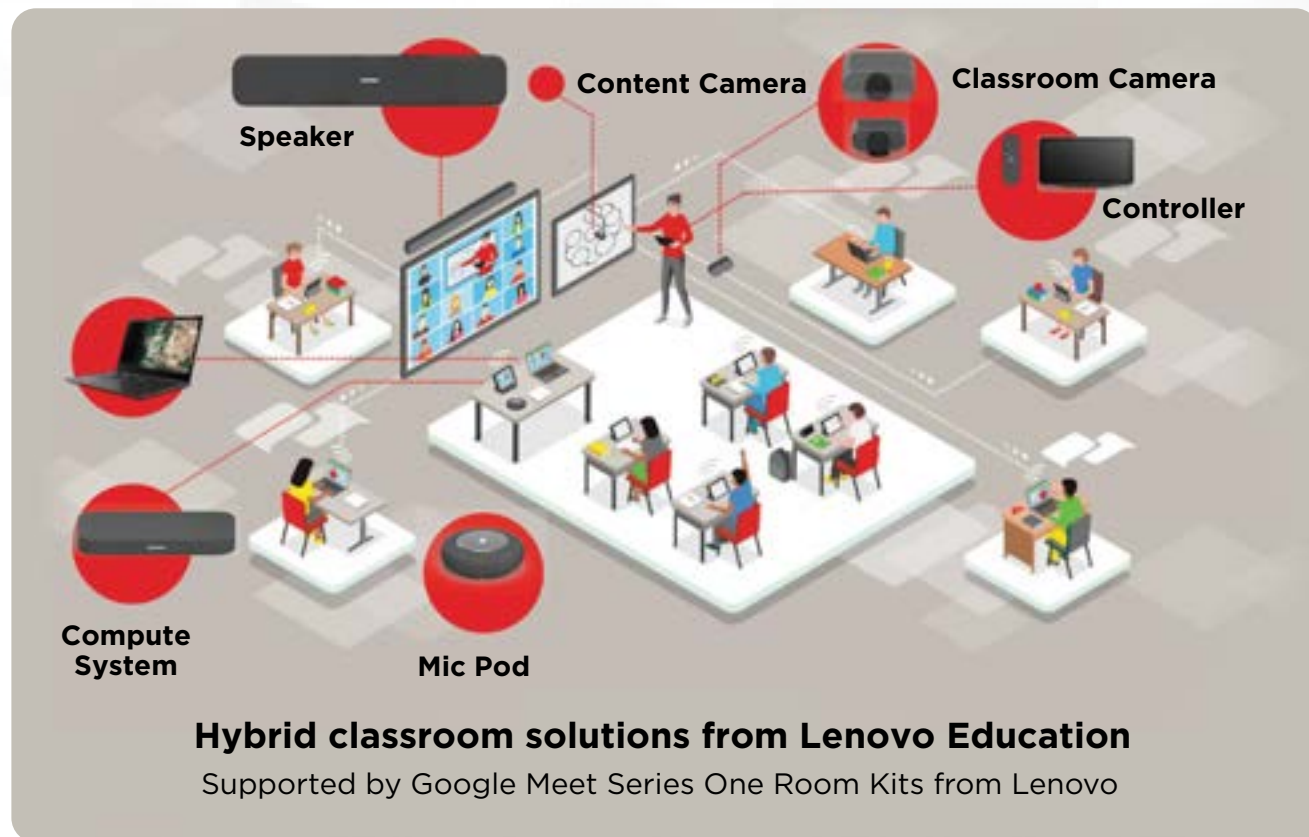


Smarter Builds Connections for Hybrid Learning

With students learning in class, remotely, or in a hybrid environment, Lenovo hybrid classroom solutions create an adaptable solution for every teaching and learning model.

Engage students where they are with flexible learning tools that pair Lenovo's robust learning devices with a collection of innovative hardware solutions from our proven partners. Hybrid classroom solutions include the ThinkSmart family from Lenovo, working with Microsoft Teams Rooms, Zoom Rooms and Google Meet to facilitate an immersive environment to enable collaborative learning from anywhere.

Easy to reconfigure for a range of classroom sizes, these purpose-built ecosystems deliver best-in-class solutions for learning success—whatever the new school day brings.



Lenovo Hybrid Classroom Empowered By Thinksmart Collaboration Solutions

Building a hybrid classroom starts with ThinkSmart Hub, an all-in-one system working with both Microsoft Teams Rooms and Zoom Rooms that helps students and teachers connect, share, and collaborate seamlessly and securely from wherever they may be learning. In addition to one-touch meeting start and other userfriendly features, ThinkSmart Hub also includes remote manageability capabilities through Lenovo's custombuilt ThinkSmart Manager software.*

Combine the ThinkSmart Cam, the first purposebuilt video conferencing camera from Lenovo —and ThinkSmart Bar for a complete hybrid classroom solution that helps facilitate teaching and learning.

*ThinkSmart Manager comes pre-loaded on all new ThinkSmart Hub 500 and Hub devices. ThinkSmart Manager Basic is included with your hardware purchase, while a Premium level of capabilities are available at an additional cost.



Designed for Education

Smarter Builds Connections for Hybrid Learning.



ThinkSmart Hub



Easy to Use

With its 10.1-inch touchscreen and familiar Microsoft Teams Rooms interface, ThinkSmart Hub is intuitive technology that helps teachers and students collaborate from the classroom to the kitchen table.



Easy to Hear

With four built-in full duplex speakers and four dual array mics, ThinkSmart Hub creates immersive 360-degree sound. Plus, it's ultra-low noise certified for even better acoustic design.



Easy to Manage

IT teams can monitor, manage, and troubleshoot ThinkSmart Hub devices from one location using pre-loaded ThinkSmart Manager software.¹

ThinkSmart Cam



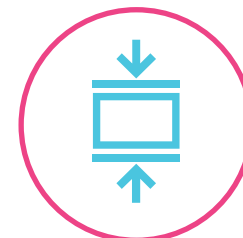
Captures Reality

ThinkSmart Cam gives everyone the feeling of being in the classroom together thanks to its wide field of view coupled with high resolution and frame rates that eliminate distracting lag and distortion.



Eager to Learn

ThinkSmart Cam follows the conversation and facilitates interactivity for more engaging lessons thanks to AI features² like active speaker tracking and whiteboard awareness.



Fits Right In

From its compact, lightweight design to its certified compatibility with Microsoft Teams Rooms, ThinkSmart Cam fits seamlessly into any hybrid classroom environment.

ThinkSmart Bar

ThinkSmart Bar is a lightweight standalone premium sound bar with four built-in beamforming microphones for an immersive meeting room audio experience.



¹ ThinkSmart Manager comes pre-loaded on all new ThinkSmart Hub and Hub devices. ThinkSmart Manager Basic is included with your hardware purchase, while a Premium level of capabilities are available at an additional cost.

² AI features are controlled via ThinkSmart Manager, which is available with the purchase of a ThinkSmart compute, such as ThinkSmart Hub or ThinkSmart Edition Tiny. When used as a standalone device, a configuration app is available via download in ThinkSmart Manager. A ThinkSmart compute is not required to set up a ThinkSmart Manager account. Whiteboard awareness will be available at ship support. People counting will be available in Spring 2021 (v2.0) with ThinkSmart Manager.

Redefine Your Classroom & Learning Experience with Lenovo Smart Classroom

As the leading provider of educational technology, Lenovo brings you a blended classroom experience through Lenovo Smart Classroom—an intelligent interactive education solution that combines AI, Big Data, Cloud Computing, and other intelligent technologies to empower K-12 schools to better organize instructional workflows.

With a comprehensive solution of hardware, services, and software, Lenovo Smart Classroom offers a digital learning environment that simplifies content management, promotes collaboration, ensures visibility on student progress, and secures student devices anytime anywhere.



Simplify Teaching

Distribute instructional resources digitally and collaborate easily using digital whiteboard, screen share and more.



Engage Students

Interactive learning through gamification, pop quiz, group discussions, and practice tests.



Visualize Progress

Evaluate student performance with real-time learning analytics and dashboard.



Ensure Safety

Secure student devices and monitor content within classroom and remotely.

Additional Services To Make Your Classroom Smarter

Lenovo Smart Classroom is more than a Learning Management System (LMS) and provides access to online/ onsite trainings and all-in-one support.

- Lenovo devices
- Interactive Whiteboard
- Campus Wi-Fi
- Professional development
- Content digitization
- Managed Services desk



Designed for Education

Commercial Notebooks

Lenovo



ThinkBook Series

These laptops make it easy to do business with style. From options that keep you up and running without pause, to security that works behind the scenes. And that's not all—ThinkBook laptops boast awesome entertainment features. And they're eye catching too.

ThinkPad E Series

Put a distinctive face on your small business with these progressively designed, powerfully engineered laptops, featuring the security and productivity of Lenovo solution for small business.

ThinkPad L Series

If it's productivity and price that matter most, these laptops fit the bill. The L Series, as with all of the ThinkPad family, boasts legendary reliability, our awardwinning, spill-resistant keyboards, security options, and superior webconferencing.



ThinkCentre M80s (SFF)

Small footprint, big achievements

Offers almost the same performance capabilities of a larger desktop, but in a smaller chassis, thanks to the efficient cooling system which improves airflow.

- Security features include an optional Chassis eLock which locks the computer from the inside to prevent unauthorized removal of components.
- Despite its smaller size, users can connect up to 3 displays without a graphics card - ideal for users multi-tasking across applications.
- Features Energy Star® and EPEAT® Silver certifications. TUV low noise and TCO certified for lower cost of ownership.



ThinkCentre M70s (SFF)

Achieve more from a small form factor

All-new compact design has an intelligent cooling system which improves airflow through critical components, potentially lengthening the lifecycle and enabling improved performance or 3-5dB noise reduction, depending on the mode selected.

- Security features include an optional Chassis eLock which locks the computer from the inside to prevent unauthorized removal of components.
- Despite its smaller size, this desktop has 9x USB ports, including a front-facing USB-C connector with 15W power output that can be used for charging mobile devices.
- This device is highly energy efficient, with Energy Star® and EPEAT® Silver certifications, ensuring you to save money and reduce environmental impact. TCO certified and TUV low noise certified on some configurations.



ThinkCentre M80q Tiny

Making big ideas possible

Get the speed and performance of a full-size desktop with up to 10th Gen Intel® Core™ i9 processor in a device no bigger than a book. This Tiny desktop can handle most workloads with ease. Optional Intel vPro® technology provides advanced threat protection whilst offloading memory scanning resources from the CPU to the integrated GPU.

- Teachers can turn on the desktop by using a simple keyboard short cut “Alt+P” if the power button is not accessible. For those who multitask extensively, it supports connection of up to 3 displays (3rd display requires additional video port). Security features include a TPM chip to encrypt sensitive data.
- Intelligent cooling design is 20% more efficient than the previous generation and offers 2 modes for different usage scenarios – best performance mode during intensive tasks like data analytics and best experience mode for low noise cooling during routine workloads.
- Certified with MIL-STD-810G military testing to ensure robusticity of the machine under tough conditions like high temperature and dusty environment.
- Compatible with ThinkCentre TIO22 GEN 4, ThinkCentre TIO24 GEN 4 and ThinkCentre TIO27 GEN 4



ThinkCentre M70q Tiny

Huge performance in a tiny form factor

Easy to deploy, manage and upgrade with tool-less access to the SSD and memory module. It also comes with optional WiFi 6 technology, which enables faster internet speed with compatible routers.

- For added flexibility, users can connect 2 4K displays using the onboard DisplayPort and HDMI ports, or connect up to 3 displays if a 3rd video connector is configured.
- With Energy Star® 8.0 and EPEAT® Gold certifications, it ensures businesses save money and reduce environmental impact.
- Compatible with ThinkCentre TIO22 GEN 4, ThinkCentre TIO24 GEN 4 and ThinkCentre TIO27 GEN 4



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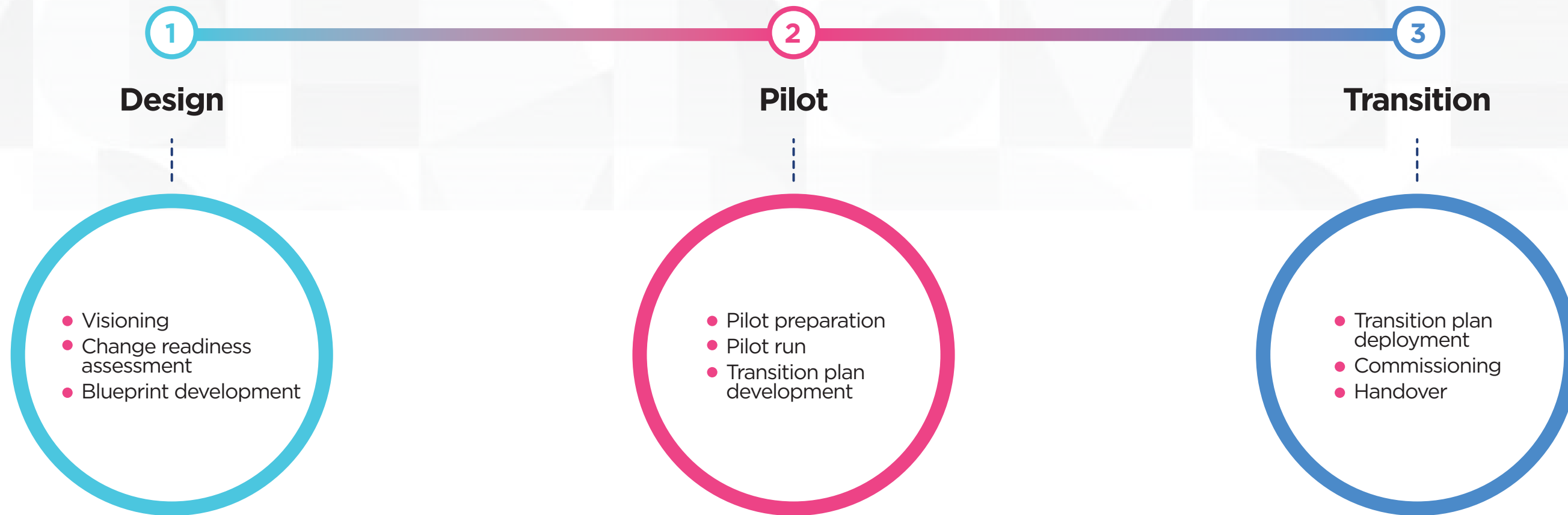
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The EdVision approach to education transformation

Each educational institute is unique and at different points in their digital transformation journey. Lenovo believes there is no one-size-fits-all solution that can be applied to all schools. We will work together with you to assess the readiness of various factors including your infrastructure and skill sets of your educators, before crafting a bespoke plan of how we can help you. Once everything is in place, we deploy, pilot and provide the training required to all the stakeholders, so that we can maximize the success of your digital transformation.





Microsoft Education Training Journey

Microsoft Innovative Educator (MIE)

MIEs use MS tools in the classroom and have learnt the fundamentals of some of these tools. This is the first step on a journey of joining a professional learning network of enthusiastic educators who come together to learn, share and grow.

Duration: 2 hours

Microsoft Innovative Educator Expert (MIEE)

As you become skilled at integrating technology into the classroom, consider submitting a self-nomination to join the MIE Expert program to work closely with Microsoft and lead innovation in education.

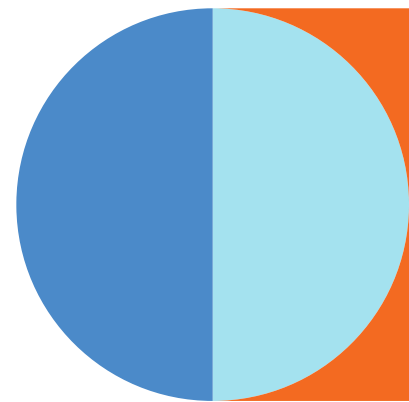
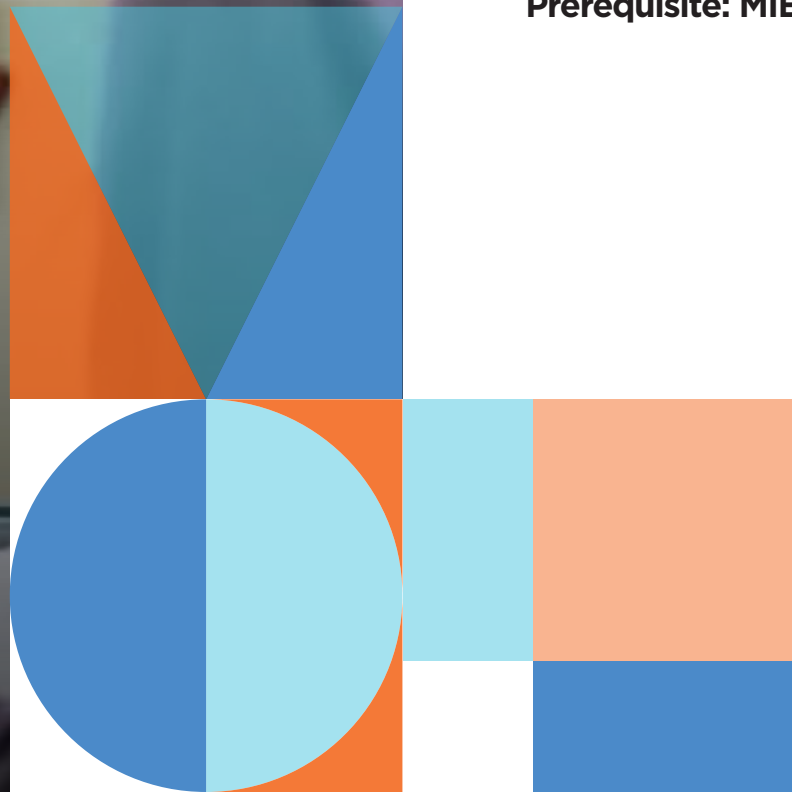
Prerequisite: MIE

Microsoft Certified Educator (MCE)

MCE program provides robust tools that help educators drive best-in-class integration of information and communication technology into classroom instruction.

Prerequisite: MIE and MIEE

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Lenovo solutions



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Protect your investments with Lenovo Services for Education

Lenovo's comprehensive portfolio of end-to-end and our global delivery network help maintain, protect, and manage your education investments.



Step into a new era of digital classroom

Lenovo EdVision is designed to enhance the future of learning with next-level education solutions to ensure connections beyond the classroom for a smarter tomorrow. The program enriches smarter education by offering not only tangible solutions to the demands of online education but also knowledge to effectively deliver learning in the new normal.

LEARN MORE

Partner with Lenovo to inspire and empower the future of learning.

Learn more at www.lenovoedvision.com

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Smarter transforms future education

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