



Digital Transformation in Education

Classroom Collaboration



Table of contents

Introduction	3	Real-world success	17
Miscrosoft Educational Pillars	4	Case Study	18
Microsoft 365 for Education	9	Get started	19
Collaborating in and out of class	12	Sources	20
Building upon each other's ideas	13		
Creating a modern collaborative classroom	14		
Working together in a single hub	15		
Saving time and eliminating handouts	16		

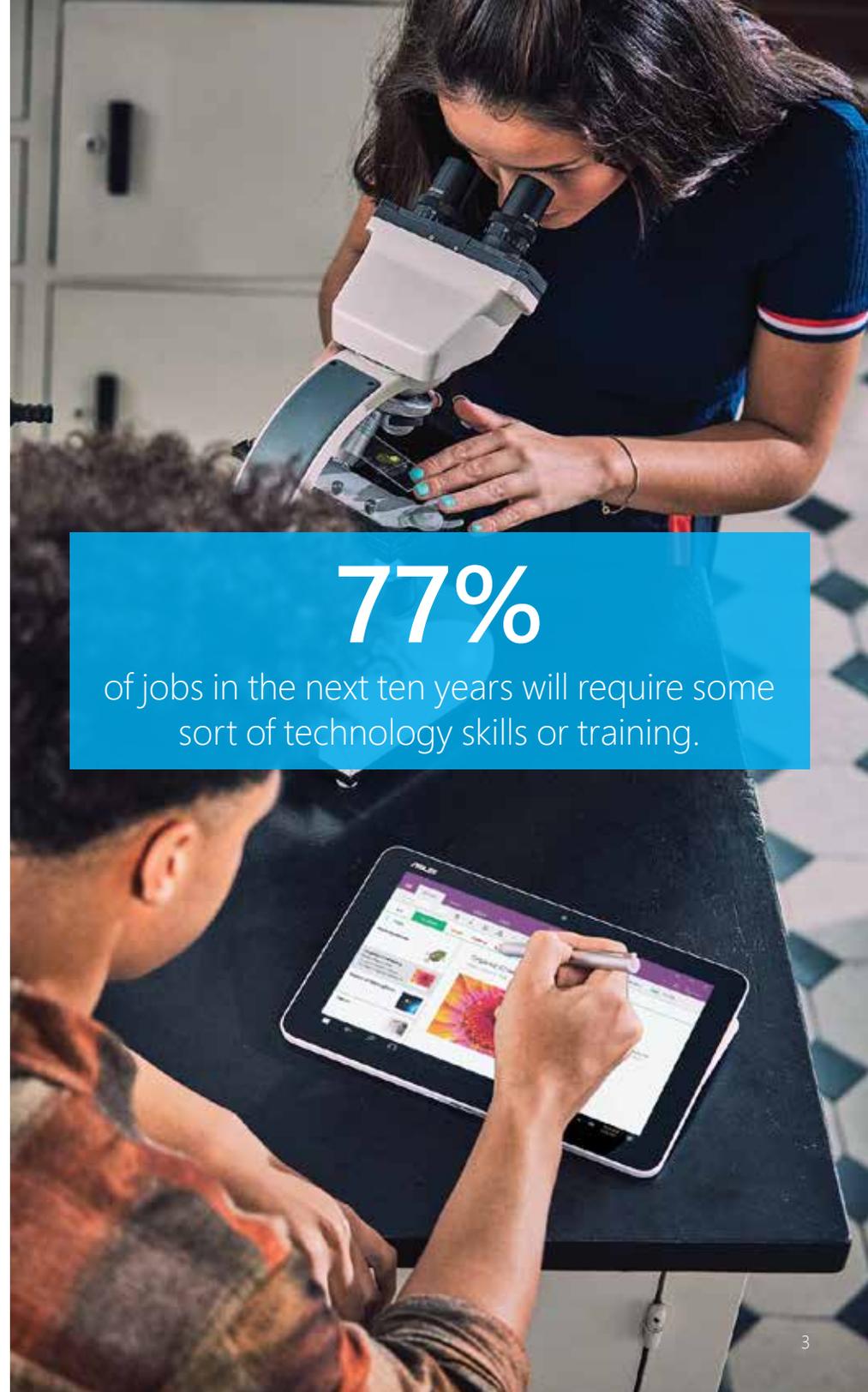
New world, new opportunities

The world our children live in is complex and changing faster every day. It is filled with new opportunities and jobs. Some that haven't even been invented yet.

By the year 2022, there will be over **6.2 million tech job openings** needing to be filled by smart, creative, and technologically-savvy candidates. But it won't just be technology jobs that will demand tech skills. In less than a decade, over 77% of jobs in the marketplace will require some sort of technology skills or training.

Our children need our help to keep pace with the changing world around them.

Microsoft is looking ahead and we see a world where classroom collaboration will not only ready students for college and their future careers, but will provide them with 21st century skills for a successful life.



77%

of jobs in the next ten years will require some sort of technology skills or training.

Microsoft Education

Empowering the students of today
to create the world of tomorrow

Microsoft Education products and services work together to deliver better outcomes and proven results with trusted technology.

Four key pillars drive us forward.

These pillars keep us grounded, while allowing us to set our sights to the future of education. These pillars are the key to gaining important 21st century life skills.



Environments

Platforms

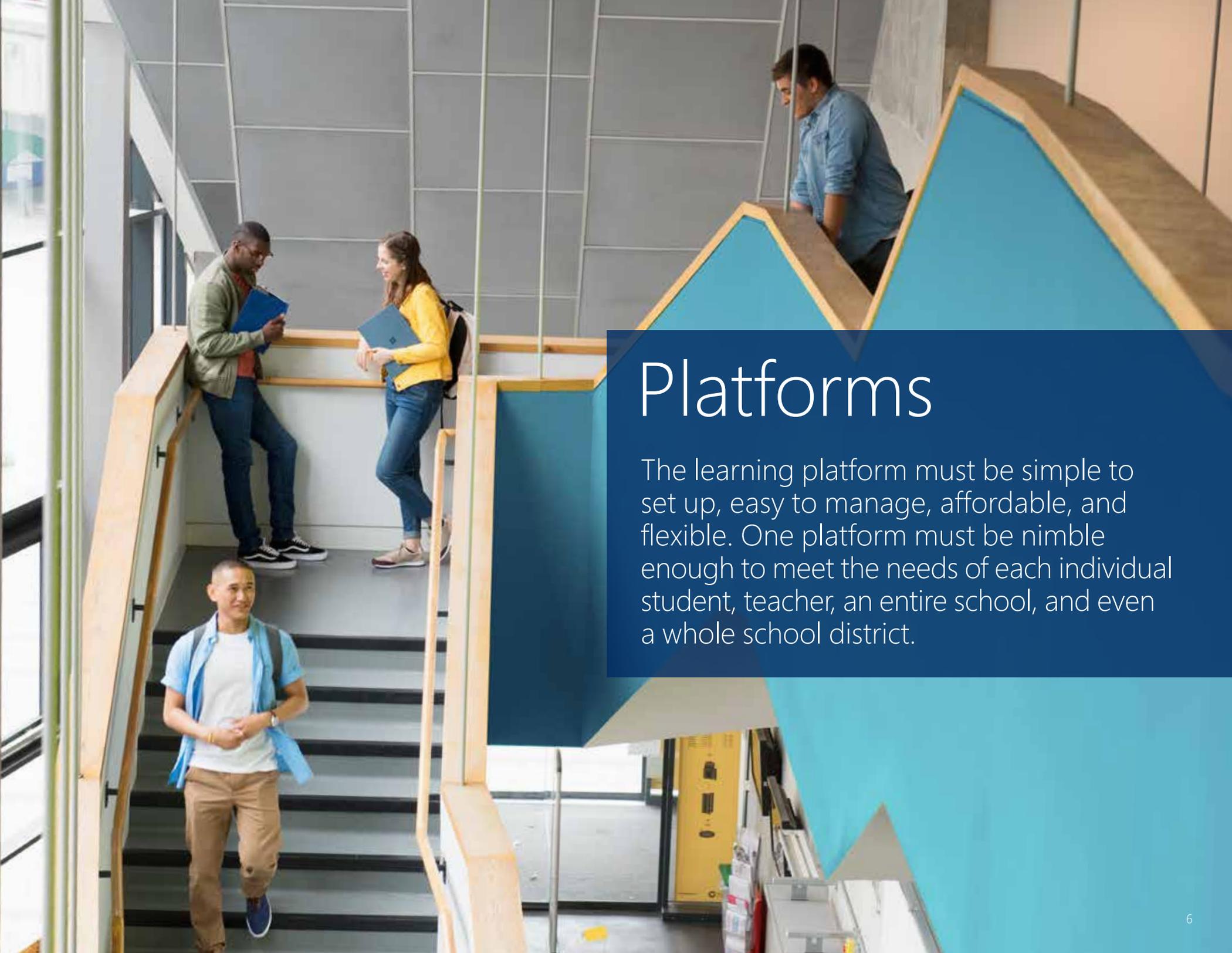
Collaboration

Experiences



Environments

We believe improving the environment that supports, not just students, but educators and parents as well, we can truly foster 21st century learning.



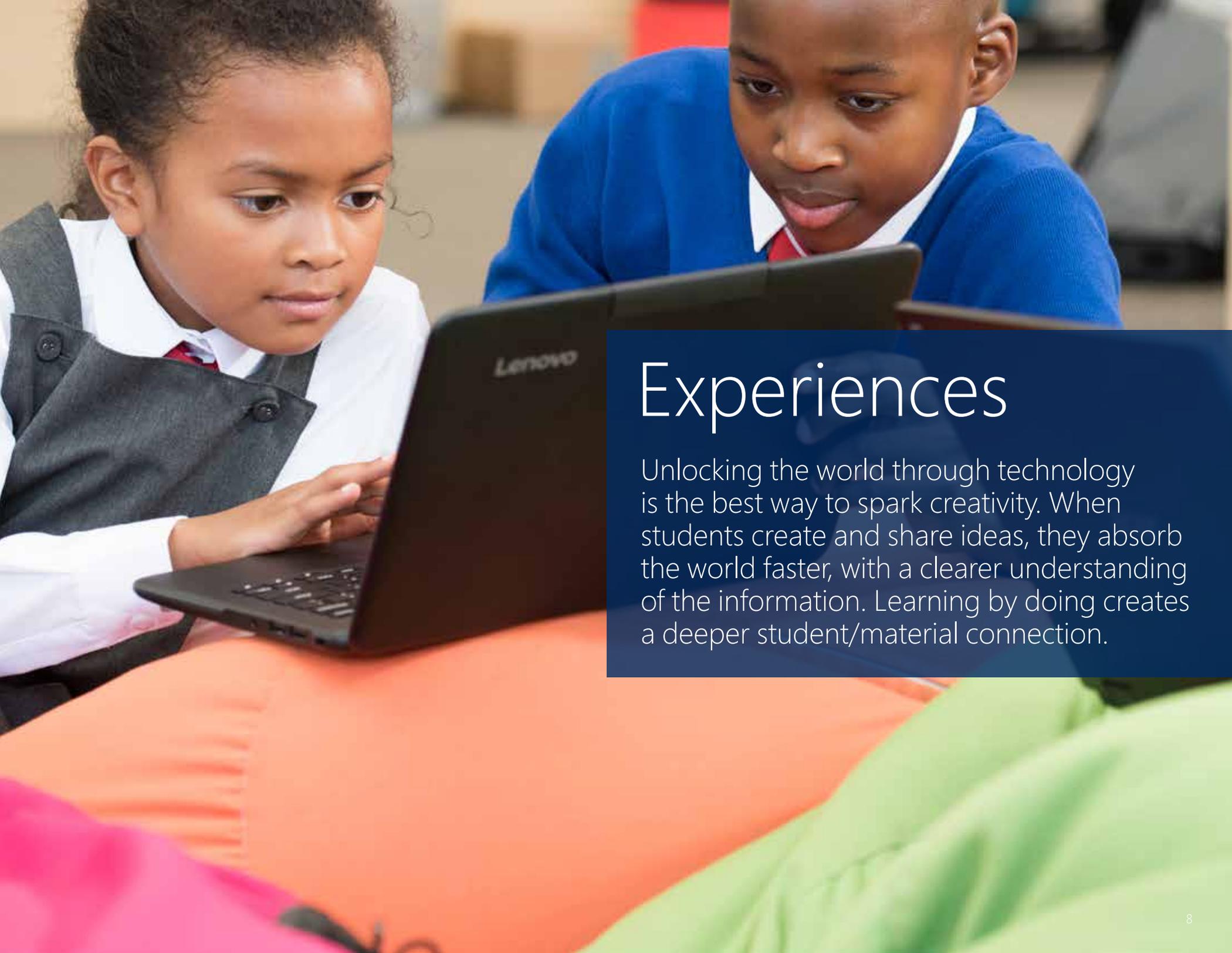
Platforms

The learning platform must be simple to set up, easy to manage, affordable, and flexible. One platform must be nimble enough to meet the needs of each individual student, teacher, an entire school, and even a whole school district.



Collaboration

Working hand-in-hand with a seamlessly-integrated learning platform is the key to creating collaborative classrooms. Collaboration is a 21st century skill that both teachers and students must have access to in order to succeed in the modern world.



Experiences

Unlocking the world through technology is the best way to spark creativity. When students create and share ideas, they absorb the world faster, with a clearer understanding of the information. Learning by doing creates a deeper student/material connection.

Classroom Collaboration

Supported by Microsoft Office 365 for Education



At Microsoft, we believe classroom collaboration solutions enable the modern learning experience.

Office 365 for Education was designed for educators with **5 key functions** in mind.

-  Collaborate in and out of the classroom
 -  Build on each other's ideas
 -  Create modern, collaborative classrooms
 -  Work together in a single hub
 -  Save time and eliminate handouts
-





Each of these five key functions is made to **enhance the classroom experience** and to create a more immersive and inclusive experience for both teachers and students for **better learning outcomes**.

Office 365 for Education is a complete, intelligent, and highly secure service supporting excellence in teaching and learning. It offers a broad and deep toolkit for content creation, collaborative classrooms, and personalized learning.



Collaborate in and out of the classroom



For teachers and students looking to achieve more, Office 365 for Education is the most advanced and complete set of intelligent services.

Powerful suite of programs

Office 365 for Education is a complete, powerful suite of software found consistently on the top of the list of employee demands for high-paying jobs.

Cloud-connected in real time

The Office Mobile apps are cloud-connected, making it easy for students to access documents from anywhere, co-author with classmates, and collaborate in real time. Collaboration can take place from any browser or device with Office Online and Office Mobile apps.

Both Office Online and Office Mobile apps offer the Office 365 for Education experience customers expect while delivering the capabilities they need for on-the-go productivity, even on tablets and smaller screens.

Compatible, trustworthy

Users can view documents, edit, add, and make changes with the knowledge and trust that their work will appear exactly as intended across all devices.



Build on each other's ideas



Co-authoring is the future, and it begins with Office 365 for Education in Word, PowerPoint, and Excel Online.

The ability to capture an idea, share a web page, or upload an assignment and receive immediate feedback is a priceless capability in the modern classroom.

With programs like OneNote digital notebooks, managing and collaborating can slingshot a classroom right into the future where real-time integration makes communicating a thought or idea that much more rewarding.



Create modern, collaborative classrooms



The modern, collaborative classroom is made possible with Microsoft Teams. Teams is supported by countless hours of classroom experience and is a digital hub for teachers and students.

Flexible and manageable

Teachers can manage their entire classroom workflow without ever leaving Teams. They can create classes with automatically-populated student rosters from their school information system, share files and teaching materials, make announcements, divide the class into project groups, and distribute, collect, and grade assignments.

Students receive a personalized learning experience through a combination of conversation, video, and voice.

Integrated with education software

With Microsoft Teams, teachers can create and share with familiar Office apps like OneNote, Word, Excel, and PowerPoint as well as integrate with popular educator software developers like busuu, Canvas, Flipgrid, and Kahoot!



Work together in a single hub



Microsoft Teams, supported by Office 365 for Education, is a hub for teamwork.

Three Teams, one powerful tool

Here, collaboration happens the way teachers, students, and staff really work. With three types of teams to pick from, teachers, students, and administrators can connect with the right people to share everything from assignments to best practices.

Connect, share, and develop

Microsoft Teams gives teachers a single, digital hub to manage a more connected and collaborative classroom experience for their students. Teachers can connect with peers in professional learning communities to share best practices for teaching and learning and to continue their own development.

Easy access

Resources are always at hand with easy access through the Office 365 apps. Staff Teams allow school administrators and teachers to share information and work together on school-wide initiatives. With Staff Notebooks built in, staff can publish school policies for the whole team to access or create individual professional development plans. Staff can leverage the same powerful tools and connected learning experiences they create for their students for their own collaboration.

One place, any place

Creating Teams is easy and can be created for any project-based or team-based activity to provide a central point of coordination and communication that is accessible anytime, anywhere.



Save time and eliminate handouts



OneNote Class Notebook makes class collaboration, organization, and communication simple.

Digital binders allow teachers to organize course content to keep the class moving forward. Interactive lesson plans are easy to create and can be distributed to either one student or the whole class.

OneNote Class Notebook is ideal for collaborating directly with individual students and providing private feedback in their own personal sections. The program also works seamlessly to communicate and share with parents, guardians, other teachers, and staff.

A young man and woman are sitting at a desk in a bright, modern office or classroom setting. The man, on the left, is wearing a maroon long-sleeved shirt and is looking at a laptop screen. The woman, on the right, is wearing a black and white striped shirt and a white patterned headband. She is resting her chin on her hand and looking towards the man. There are several laptops on the desk, including a silver one and a dark blue one. A water bottle is visible on the desk. The background shows a window with a view of greenery outside.

Real-world success

NSW Primary School

A combination of OneNote, Mix, and Sway spurs collaborative learning

Since mid-2014, Barnier Public School has achieved great outcomes with cloud-based, collaborative learning techniques. Instant, online, and peer-to-peer feedback has shown to increase student performance in the classroom. Online collaboration has not only increased student interest, but has also increased the staff's teaching capacity. These online techniques has allowed teachers to teach more, intervene quicker, and increase learning outcomes.

"Just a few years ago, our NAPLAN scores were up to 30 points behind the State average. With new forms of teacher/teacher, teacher/student, and student/student collaboration – and a mix of old and new apps – our Y5 students have moved decisively ahead of the average."



Get started

Collaborative classrooms are the future of modern education and are within your reach.

1

Identify your priorities for classroom collaboration

2

Choose solutions that best fit your needs

3

Talk with your Microsoft rep who can connect you with the right partners

Sources and References

Congressional Research Service Report on The U.S. Science and Engineering Workforce: Recent, Current, and Projected Employment, Wages, and Unemployment

US DoL, FutureWork – Trends and Challenges for Work in the 21st Century

