

Your Elastic Classroom

For Primary and Secondary Education

Reliable and accessible teaching and learning tools backed by Vodafone's trusted network

Everything you need to rethink education to deliver safe and inclusive learning

Get expert solutions and support with Vodafone for Education

Covid-19 has accelerated trends that were already set to transform education. From the classroom to exams, disruption is everywhere:

1,184,126,508

learners have been affected by school closures globally¹

54

countries had to postpone or reschedule exams²

11

countries had to cancel exams completely³

In the wake of this disruption, primary and secondary schools would benefit from **new technologies to support teachers and young learners across the new education lifecycle.**

Vodafone for Education has everything you need to help tackle this disruption and rethink education quickly and safely.

Introducing The Elastic Classroom

Now is the time for new thinking and new technology that empowers **primary and secondary schools to operate with greater elasticity.**

Vodafone for Education's robust connectivity, expert support, and extensive solution portfolio can help you create what we call 'The Elastic Classroom': our vision for delivering a highly flexible, responsive learning environment.

Let's take a look at what The Elastic Classroom looks like in the new education lifecycle...



Delivering remote teaching



The challenge

- Without the right equipment and connectivity, it's difficult to deliver engaging learning experiences remotely
- Shifting lessons from a physical location to a virtual environment poses data security and privacy concerns

Vodafone's solutions

- Headsets, tailored devices and other remote learning equipment to enrich learning experiences in and out of the traditional classroom
- Reliable connectivity, backed up by the UK's best network
- Full cloud security, with built-in web filtering to help keep young students and staff safe



Creating virtual classrooms

The challenge

- Making sure that all virtual classroom solutions are easily accessible and open up inclusivity for students
- Finding tools to help teachers manage multiple learners in a 'digital classroom'
- Maintaining the high bandwidth needed for quality video conferencing
- Fixing any connectivity issues as they arise – for both teachers and students

Vodafone's solutions

- Vodafone Connected Education – a bundle of connectivity, devices and cloud storage, which makes remote learning easy to access for teachers and students
- Secure video conferencing solutions designed with education in mind
- Powerful, secure and reliable connectivity from a global network provider



Enabling co-learning



The challenge

- Building virtual collaborative spaces for learners to interact and share ideas
- Gauging student engagement and attainment in key areas prior to assessment
- Offering enriching multimedia communication experiences

By the 2030s, virtual reality will start to feel 100% real

Vodafone's solutions

- Virtual Learning Environments (VLE) that act as not just a hub for learning resources, but a gateway to explore multimedia and participate in surveys and polls
- Virtual reality headsets and other devices that offer immersive experiences designed for the sharing of ideas, while supporting higher engagement and attainment
- Student engagement measured in near real-time through IoT sensors tracking gamified behaviours over a 5G network



Adapting to the future of learning and exams



The challenge

- Adapting physical classrooms and schools to meet new requirements
- Exploring digital alternatives to in-person assessments where they are not possible
- Accurately authenticating students physically and digitally

- #### Vodafone's solutions
- Social distancing technologies and heat detection cameras, that support pupil and staff health by alerting them to high body temperatures, keep students safe – and focused on their school work
 - CCTV, biometrics, face ID and other security and authentication technologies



Keeping everyone in touch, and reassured

The challenge

- Keeping staff, teachers, and parents in the loop and engaged
- Ensuring everyone stays secure – every step of the way

Vodafone's solutions

- Voice and data connectivity allowing your staff, students and parents to connect reliably and securely
- Cloud security designed to keep young learners and teachers safe online – and reassure everyone involved in learning
- Students and teachers to store and find information in one place in a flexible cloud solution
- Expert advice and support for parents through Digital Parenting hub and guide



One provider. Solutions for the entire learner lifecycle.

From the physical classroom to remote teaching, Vodafone offers solutions to support you in delivering safe, flexible and compelling learning experiences.

- Power home teaching and learning – with the hardware and connectivity you need to rethink education
- Deliver virtual classroom experiences – with Vodafone Connected Education
- Connect all stakeholders – with a reliable and secure network and enterprise-grade support and IT expertise when needed
- Protect students and teachers at school – with CCTV, heat detection cameras and other solutions that reduce physical touchpoints
- Keep everyone secure online – with cloud security, cybersecurity solutions and Secure Device Management Software

Case study: Creating a virtual school trip



Challenge

Provide access to one of London's leading art galleries, with hands-on interactive learning, to school children in Kenya.

Solution

Vodafone Foundation and the UN Refugee Agency have been improving the quality of education in some of Africa's most marginalised communities. As part of this, primary and secondary school students in Kakuma Refugee Camp, Kenya, were given a specially created live and immersive VR tour of London's National Gallery, over 6,000 miles away.

This included a real-time conversation with artist Lisa Milroy about the works of art, and a practical workshop where the students were invited to create their own paintings based on Van Gogh's Chair, 1888.

How?

Using Vodafone's connectivity, a 5G GigaCube, the latest hardware and global 360 video distribution, the live VR experience was possible. The film crew moved and streamed in 360 at the same time. Mobile power banks were used to keep the production running.

In Kakuma, two 4G modems and Vodafone Foundation's Instant School Network connection provided the internet connection, and students explored the gallery using Students used Oculus Go VR headsets.

Result

Vodafone delivered the world's first live virtual reality school trip for refugee students.



Build your 'Elastic Classroom' with Vodafone for Education

- Vodafone's robust connectivity, expert support, and extensive portfolio of solutions, which are quick to implement and easy to use, help you create your 'Elastic Classroom': a truly flexible, responsive learning environment
- With the right partner and the right solution, you can ensure digital and physical classrooms are adaptable, inclusive, safe, and secure



Why Vodafone for primary and secondary schools?

- Tried and tested people-first approach maximises success of digital transformation
- Enterprise-grade solutions for the entire learner lifecycle underpinned by end-to-end support
- Cloud solutions for fast and flexible adoption
- World leader in network connectivity and end-user experiences



'Leader' in Gartner's 2020 Magic Quadrant for Network Services



'Visionary' in Gartner's 2020 Magic Quadrant for Global Managed Mobility Services

Ready to rethink education?

To learn more about the many ways Vodafone for Education can help you build a flexible and responsive learning environment for all, speak to your account manager.

<https://publicsector.vodafone.co.uk/sectors/education/>