vodafone business

Your Elastic Classroom

Reliable connectivity, backed up by Vodafone's globally trusted network

Everything you need to rethink education

Get expert solutions and support with Vodafone for Teaching and Exams

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

1,184,126,508
learners have been affected by school closures globally[1]

54
countries had to postpone or reschedule exams[2]

11
countries had to cancel exams completely[3]

In the wake of this disruption, education leaders and exam centres need **new technologies to support teachers and learners** across the **new education lifecycle.**

Vodafone for Teaching and Exams has everything you need to tackle this disruption and rethink education.

Introducing
The Elastic Classroom

Now is the time for new thinking and new technology that empowers **education institutions to operate with greater elasticity.**

Vodafone for Teaching and Exams' 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.

Remote teaching and knowledge sharing

The challenge
- Without the right equipment and connectivity, it's impossible 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 fo enrich learning experiences in and out of the traditional classroom
- Reliable connectivity, backed up by Vodafone's globally trusted network
- Full cloud security, with built-in web filtering to keep your people safe

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Creating virtual classrooms

The challenge
- 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
- Secure video conferencing solutions designed with education in mind
- Powerful, high-bandwidth connectivity from a global network provider
- Attend Anywhere – a virtual waiting room where teachers can answer students' questions
- Vodafone Connected Education – a bundle of connectivity, devices, curriculum content and cloud storage for teachers and students

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Enabling co-learning

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

100%
By the 2030s, virtual reality will begin 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
- Student engagement measured in real-time through IoT sensors tracking gamified behaviours over a 5G network
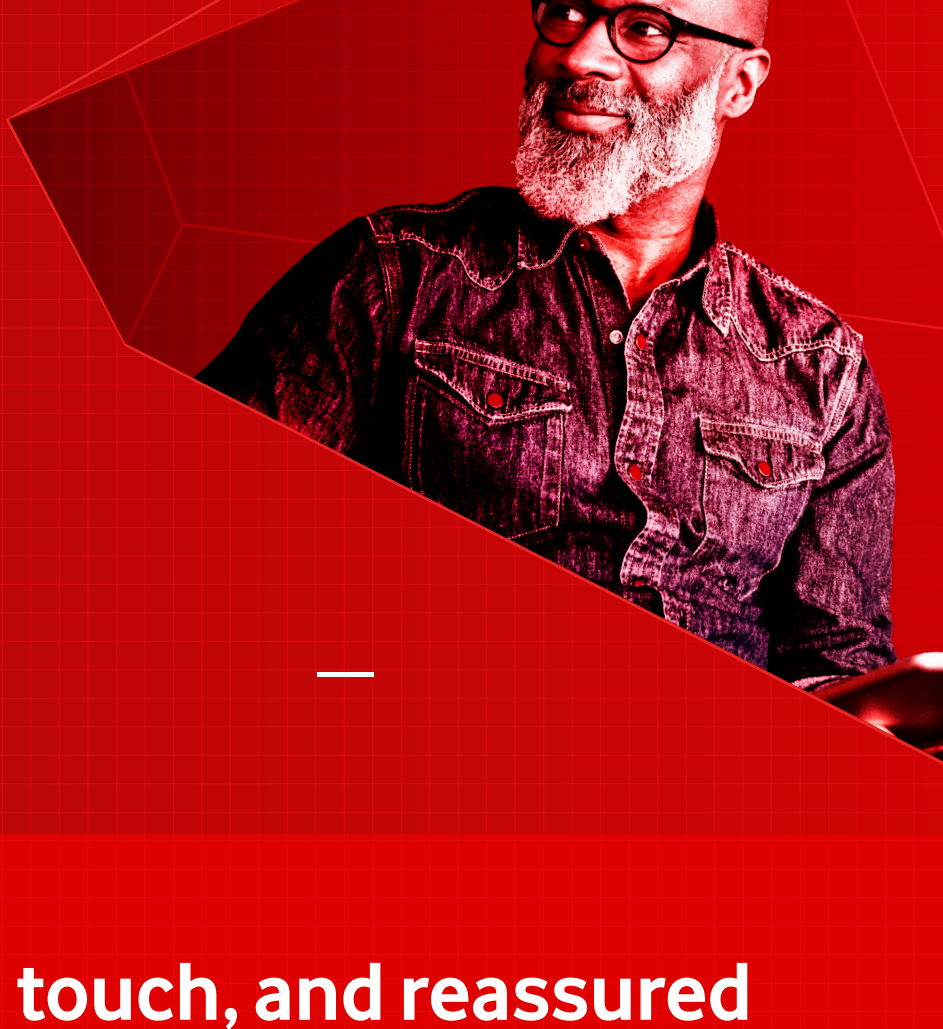

Adapting to the future of exams

The challenge
- Adapting exam centres to meet new requirements
- Exploring digital alternatives to in-person exams
- Accurately authenticating students physically and digitally

Vodafone's solutions
- Social distancing technologies and heat detection cameras that keep learners safe – and focused on their exams
- Vgreet: a virtual receptionist that can register students and teachers with face and voice recognition and minimise physical touchpoints
- CCTV, biometrics, face ID and other security and authentication technologies
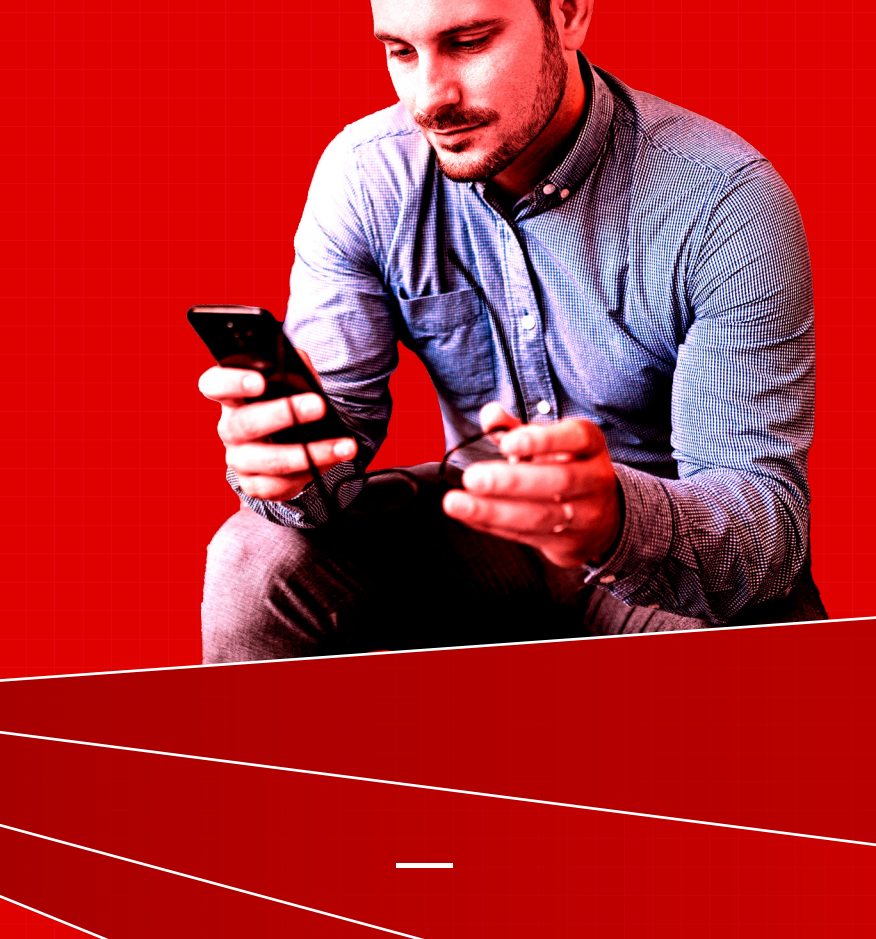

Keeping everyone in touch, and reassured

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

Vodafone's solutions
- A seamless network that can reliably connect all stakeholders
- Cloud security designed to keep learners and teachers safe – and reassure everyone involved in learning
- Students and teachers to store and find information in one place in a bespoke application, developed by Vodafone

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One provider.
Solutions for the entire learner lifecycle.

From classroom to exam centre, Vodafone gives everything you need to deliver safe, flexible, 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 and Attend Anywhere
- **Connect all stakeholders** – with a reliable, high-bandwidth network
- **Protect students and teachers** – with heat detection cameras, Vgreet virtual receptionists, and Secure Device Manager
- **Ensure a safe return to exam centres** – Ensure a safe return to exam centres – with CCTV, biometrics, online exam alternatives, and othersolutions that reduce physical touchpoints

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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 in Africa. 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 mixed 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 provided the internet connection, and students explored the gallery using Samsung 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 Teaching and Exams

- Vodafone's robust connectivity, expert support, and extensive solution portfolio can help you create what we call 'the elastic classroom': a truly flexible, responsive learning environment
- With the right partner and the right solution, you can ensure digital and physical exam centres are adaptable, inclusive, safe, and secure
- And with Vodafone's global reach, you can deliver digital access to teachers and learners from all over the world

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Why Vodafone?

Solutions for the entire learner lifecycle
Vodafone can offer solutions, support and connectivity to help learners from the classroom through to the exam centre

A globally trusted brand
Vodafone is a trusted network provider. Between our networks and those run by our partners, we serve customers in 76 countries, and offer IT services and support to businesses in 150 countries[4]

One contact for all your support
Vodafone offers one global contact covering all your needs, so you can expect a convenient, reliable and consistent service across all sites

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Ready to rethink education?

To learn more about the many ways Vodafone for Teaching and Exams can help you build a flexible, responsive learning environment, visit www.publicsector.vodafone.co.uk/education/british-council

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