



Classroom of the Future


Extending Learning Opportunities Beyond Classroom Borders

In collaboration with the Turkish Education Association (TED), the Classroom of the Future program utilizes 4G-enabled tablets as catalysts to improve student learning outcomes and teacher effectiveness. The use of mobile and wireless technologies holds great promise for ensuring that today's students are well-prepared for the challenges of the global information economy. Classroom of the Future demonstrates how the inclusion of tablets in the classroom with extended 4G access for students at home through wireless connectivity can transform the learning experience and build teacher confidence and competencies when using mobile devices for teaching. The program aims to improve learning experiences through the provision of technology, internet-based educational resources and teacher support.

TURKEY

2021 Statistics*

Population (2017 est.)  **82 million**

Life Expectancy  **75.7 years**

GDP Per Capita (2017 est.)  **US \$27,000**

Mobile Penetration  **89.6%**

Challenge

- Strong digital skills are a necessity in the workplaces of today as affirmed recently by the European Commission with their new skills agenda designed to guide education goals for boosting employability, competitiveness and growth.
- While increased use of technology in the classroom is the goal in many schools, some teachers continue to lack confidence and comfort using digital tools to support learning. This is especially true with the integration of mobile devices into classroom instruction.
- Pre-program surveys demonstrated that only 15% of students had high-speed Internet access, thus limiting the ways students can extend learning beyond the school day. Effective technology use depends not only on teachers' skills with the tools, but also on students having access to online content and resources at home, as well as in the classroom.
- Too few studies exist to provide educators with the best practices they need to implement mobile learning effectively.

Solution

- To demonstrate how tablets can be used both at school and at home to impact student learning outcomes and teacher effectiveness, teachers and students across Turkey agreed to participate in the program and evaluation study.
- The teachers were provided Qualcomm-enabled tablets (Sony Xperia Z, Samsung Galaxy Tab 4, Samsung Galaxy Tab A6, or Lenovo Tab 4 10) and professional development on how to use the tablets during Math, Science, and English instruction with their 7th grade middle school students.
- Each student was also provided with a Qualcomm-enabled tablet equipped with advanced wireless connectivity that allowed the students to access online content and resources to support English instruction both in school and at home.
- Students used the tablets to do homework, conduct Internet research, check their grades and access class information through a personalized mobile learning platform.
- To bridge the gap between academic content and real-world learning experiences, a customized curriculum in English is delivered via mobile technology.
- The Classroom of the Future program aligns with The Faith Project (Movement to Increase Opportunities and Technology), one of the most significant educational investments in Turkey and a public government initiative that aims to create equal opportunities in education through the use of technology.

*Sources: CIA World Factbook (<https://www.cia.gov/the-world-factbook/>); Mobile penetration data provided by Ovum World Cellular Information Service and based on market intelligence

Impact



1,500+ Beneficiaries

To date the program has reached over 1,400 7th grade middle school students and 93 teachers at 16 schools across Turkey.



Value of Tablets within Learning

74% of teachers agreed it is important for students to have the ability to use tablets with advanced wireless connectivity to support learning when they are at school and at home.



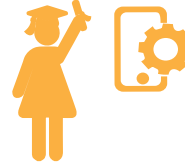
Increased Engagement in Learning

After being immersed in a mobile learning environment for the school year, 58% of students reported increased engagement in learning.



Improved Teacher Effectiveness

With the new tools and training, 48% of the teachers reported greater communication with their students and 79% noted an increase in their overall effectiveness as a teacher as a result of using mobile learning tools.



Development of Stronger Technology Skills

Students' increased use of technology for learning at school and at home resulted in 86% of students reporting stronger technology skills after using the devices for the school year.

Program Stakeholders

Qualcomm
wireless reach



August 04, 2021

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