



# Digital Education Project

## Innovating Digital Education Services for Students

In collaboration with the Korea Association of Digital Education, the Digital Education Project is providing an innovative digital education service with 4G tablet PCs to first grade students at six schools in Seoul and Daegu, South Korea. The project represents an exemplar model for digital education, instructional strategies, and future learning platforms in South Korea. It is aligned with the South Korean Government's "SMART" digital education initiative, which recognizes the correlation between educational progress and technology development and recommends the integration of these tools into the educational field. The project offers interactive learning environments that help students enhance self-directed learning ability and 21st century skills. Due to success of the project, the Ministry of Education commissioned the Korea Association of Digital Education as the official teacher professional training institution for the integration of digital textbooks in the classroom. Additionally, all Middle Schools have access to digital textbook content and were provided with tablets by the Ministry of Education.

## SOUTH KOREA

### 2021 Statistics\*

Population (2021 est.)  **51.7 million**

Life Expectancy (2021 est.)  **82.8 years**

GDP Per Capita (2019 est.)  **US\$42,765**

Mobile Penetration (2019 est.)  **135%**

## Challenge

- Educational environments in Korea are relatively advanced, yet students in the remote or low-income areas rarely receive the benefits of rapidly-evolving digital technologies.
- Teachers are often willing to learn how to implement mobile in teaching and learning but need full professional development support.
- Students need to understand how to take advantage of the wireless devices in order to develop self-directed learning habits.
- Parents can sometimes have a negative perception of the use of digital devices in education.

## Solution

- 493 students and 106 teachers were provided with Samsung Galaxy 8.9 & 10.1 tablets powered by the Qualcomm® Snapdragon™ mobile platform and 24/7 access to 4G/LTE.
- Establishment of environments where students can enhance their self-directed learning ability and facilitate the teachers' use of digital resources in education.
- Collaboration with teachers on lesson plans, instructional methods, professional development tools and digital learning materials for active digital-based innovative education.

\*Sources: CIA World Factbook (<https://www.cia.gov/the-world-factbook/>)

## Impact



### Increased Device Usage

There were marked increases in teachers', students', and parents' confidence in using the devices. Teachers increased the amount of time spent on the devices for educational purposes from 75 minutes a day to 145 minutes a day. Teachers expressed confidence that tablet usage motivated students to study.



### Greater Student Engagement

Students became comfortable using the wireless devices for learning, increasing usage from 30 minutes each day to 125 minutes each day outside of school. They were also observed to be more engaged in class participation in school. Students' self-directed learning ability increased significantly, and they were excited to be able to learn at their own pace, both in the classroom and at home.



### Increased Parent Approval of Tech for Education

Parents became more open to using and supporting technology for learning and positive attitudes towards wireless devices for education have increased from 63% to 74%.

## Program Stakeholders



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