team4tech

CASE STUDY:
LEAP SCIENCE AND MATHS SCHOOLS

The education system in South Africa produces one graduate for every 100 children who start grade 1. Students living in townships are especially disadvantaged since during Apartheid, black South Africans were barred from learning math and science. LEAP Science and Maths Schools are committed to providing quality education and the life skills necessary for young South Africans to become digital citizens and future leaders. With technology and training support from Team4Tech, LEAP schools have enhanced the quality of teaching and learning to further LEAP's educational outcomes.

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CAPACITY BUILDING

- Team4Tech has provided nearly $1.5 million in technology grants and pro bono consulting to support LEAP's digital transformation.

- Through the partnership with Team4Tech, LEAP has established functioning computer labs and is using educational software in all of its six campuses. Additionally, LEAP staff and teachers have been trained to use technology for instruction and learning.

- Team4Tech has also helped LEAP use project based learning to integrate coding, making and robotics to support students in developing lifelong learning skills.

STUDENT IMPACT

- 90% of LEAP students pass their National Senior Certificate exam compared to a national average of 78%. For students living in townships, this average drops significantly to less than 3%.

- 96% of LEAP graduates qualify for higher education compared to the national average of 42%.

"With support from Team4Tech, more teachers are taking an interest in different ways of using technology to help learners learn better."

Asanda Sigigaba, School Leader

"After the robotics competition, I was inspired to learn more about programming. Also, I am helping others learn and broadening our programming team."

Kaisgo, Grade 11 Learner*

*To protect the Identity of learners, pseudonyms are used.

"Our partnership with Team4Tech has revolutionized our instructional practice and enabled us to develop a clear digital strategy for the future! The result has been a significant improvement in the quality of differentiated teaching and learning at LEAP."

John Gilmour, LEAP Founder and Executive Director

Team4Tech's partnership has enabled LEAP schools to develop and build out a long term digital vision and roadmap. Initially, the focus was on installing computer labs and providing a foundation of digital literacy for teachers and students. As the teachers became more confident in their use of technology, Team4Tech supported the integration of technology into the core curriculum through productivity tools and math software. Moreover, Team4Tech trained and empowered student leaders to assist their teachers in maintaining and increasingly utilizing technology. LEAP then asked Team4Tech to support teachers and students with project based learning through coding, making, and robotics. Students from LEAP participated in their first robotics competition in 2019, placing third in their region.

The remarkable progress LEAP has made, with Team4Tech's support to build staff capacity and technology infrastructure, was underscored during the COVID 19 pandemic when schools around the world were forced to close. LEAP and Team4Tech worked together to enable remote learning for the students. James Malope, Instructional Leader at LEAP, said, "When compared to most schools around us, our students were far ahead because they remained engaged and learning." LEAP is also being seen as a model across the country and is now advising the South African Ministry of Education on their ICT strategy through the Schools of the Future working group of the National Education Consortium Trust.

About Team4Tech

Team4Tech partners with established, high-performing local nonprofits to advance the quality of education for underserved learners through technology solutions and capacity building. The goal is to build educational engagement and outcomes for learners by empowering them with the skills for better employment and economic opportunities while building teacher and staff capacity to sustainably scale their impact.

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