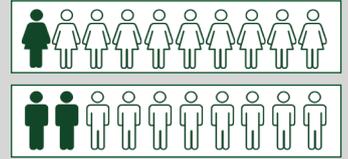


Lyra

Testing **DIGITAL LEARNING** for **MATHS SUCCESS** in **RURAL SCHOOLS**

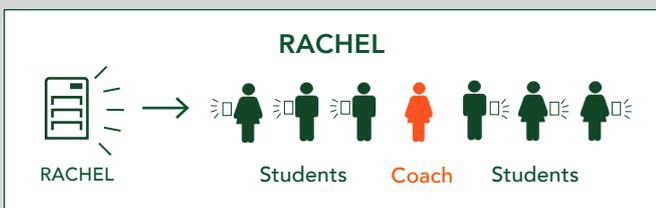
Maths performance is low across Tanzania, and digital learning offers huge potential to raise attainment. In the schools where Lyra works, only 1 girl and 2 boys in every 10 passed maths at Form IV level in 2015.



Students are missing out on vital analysis & numeracy skills. Low maths performance pulls down students' overall results and their chances of progression to the next academic level.

Lyra is launching a 6-month trial of digital learning to improve maths scores. We will:

- Give over 200 students in rural schools access to digital devices (phones & tablets) to learn and practise maths concepts using Khan Academy Lite.
- Provide qualified coaches to help students navigate digital material and motivational elements to reward committed students. We have recruited young women graduates with high scores in maths and a passion for teaching to lead the programme.
- Run rigorous monitoring and evaluation of the pilot to generate data on average improvement in maths scores, average time using digital learning and relevance of Khan Academy modules to the Tanzanian curriculum.
- Document learning in order to scale the model through widely available smart-phone technology and leveraging peer educator networks to support students to benefit from digital learning.



Trained maths coach supports students to connect to the RACHEL hotspot using tablets.

RACHEL – Remote Area Community Hotspot for Education and Learning – enables students without the internet to access world class educational materials.

About Lyra

As an agile organisation, innovation is at the heart of what we do. We have the flexibility to research and test new ideas in response to community priorities. We recognise the tremendous energy and enthusiasm in rural communities for new technologies. We carefully research best practice, leverage the expertise of our technical partners, and engage communities in practical problem-solving in order to make good ideas a reality.

Our achievements include:

- Providing safe school accommodation for 1000 girls since 2011
- Creating access to savings and credit for 2,000 community members with current savings valued at \$180,000.
- Innovating hostel design to create an aspirational learning environment and incorporate greener technologies for cooking, waste management and power.
- Agricultural training and appropriate technologies for income-generation including the 'hay-box brooder', which doubles chick survival rates.