

Challenge:

How do we improve reading outcomes in Uganda?

NAPE 2012: Only 5 in 10 Ugandan P3 learners proficient in Reading



UWEZO 2012: Only 1 in 10 P3 learners can read a P2 level text



Background

In 2012, USAID and the Ugandan Ministry of Education embarked on an intensive reform of early grade reading.

RTI Implemented Reading Programs sparked reform efforts.

Before the programs, we could see very few, if any, learners reading from printed material during reading lessons and reading scores were very low.



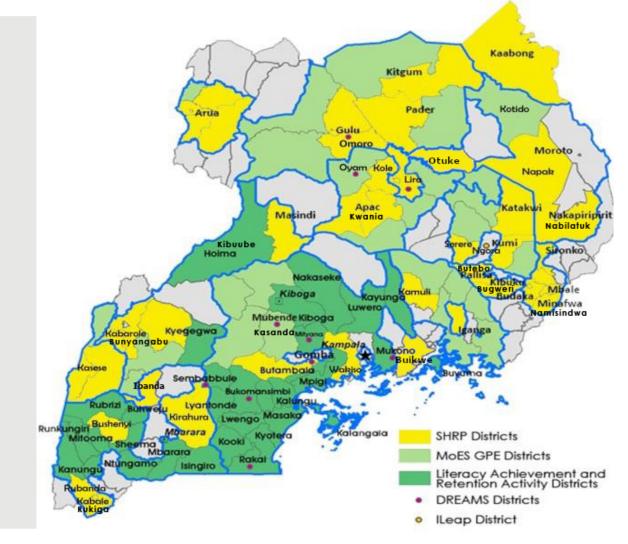
3

Current reach of EGR Programs Across Uganda

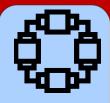
 More than 10,000 UPE schools (80% of total) and over 6 million PI-P4 learners reached

 65,707 teachers and head teachers trained

 Over 8.4 million pupil books and teachers guides in 12 local language + English



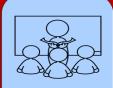
EGR Approach in Uganda



Systems and policies are strengthened



PI to P4 pupil books and teacher guides



Teachers traned in best practices



Teachers supported in the classroom



Advocacy for local language literacy instruction



Rigorous assessment of foundational reading skills Learners read more fluently and understand more of what they are reading in both local language and English EGR Ap



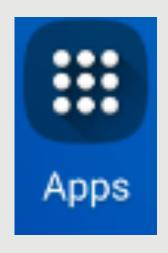
Syst poli strer



arners read more fluently and derstand more of at they are reading oth local language and English

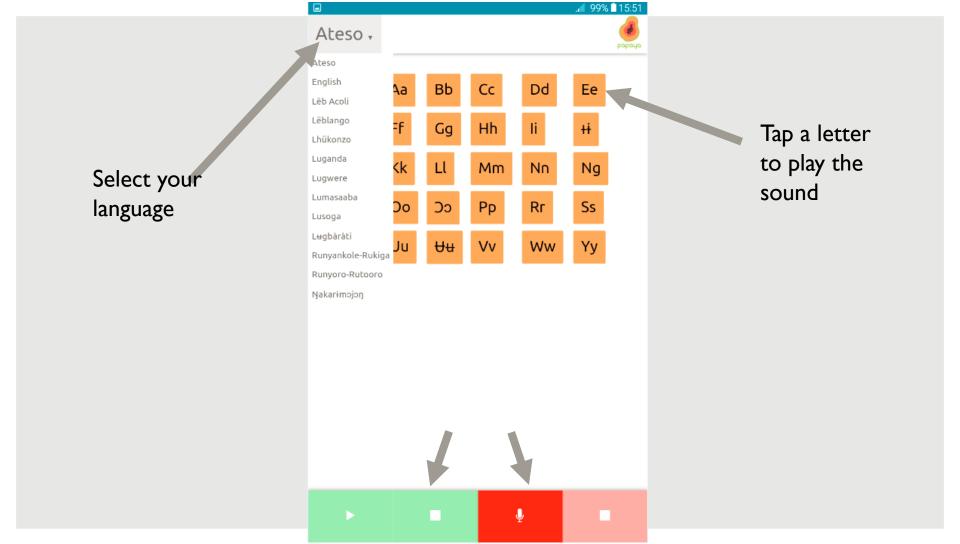
Teachers supported in the classroom

Papaya









Google Grant:

The aim of the Google grant tablet program was to improve the functionality of Tangerine Coach (an existing technology)

INCREASE:



Quantity of visits through the use of a dashboard which would increase the accountability of CCTs to their supervisors and the MoES

Tangerine: Coach - Lesson Observation Tool

Small Dose
Step-by-step
Concrete

Step-by-Step Teacher's Activity

Step 4: Before Reading - Reviewing Vocabulary and Asking the Guiding Question (3 minutes)

- a. Read the three vocabulary words for the story that are written on the chalkboard. Move your finger or pointer under the words as you read them.
- b. Ask learners to repeat the words after you a you read them a second time.

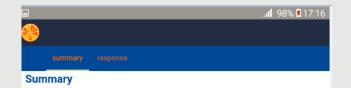
4.a) Does the teacher Read the 3 vocabulary words for the story, while pointing at the word? Select only One 4.b) Does the teacher Ask earners to repeat the words? elect only One No

Tangerine:Coach Lesson Observation Feedback

Each question in the tool is tagged to a feedback category

Tangerine software automatically calculates scores for each feedback category based on what CCTs enter into tool (offline)

Feedback referring to additional coaching tools (apps and videos) is then generated



Note to Observer- Select 2 to 3 areas to provide feedback on ONLY. Select at least one feedback item that is green or yellow (strong area) and one feedback item that is red (weak area).

Think back to the individual learners you observed during the lesson. Discuss with the teacher the behavior of different learners, what they did when it was time to read or write, and what you noticed about their engagement and understanding. Allow the teacher time to reflect on your observations.

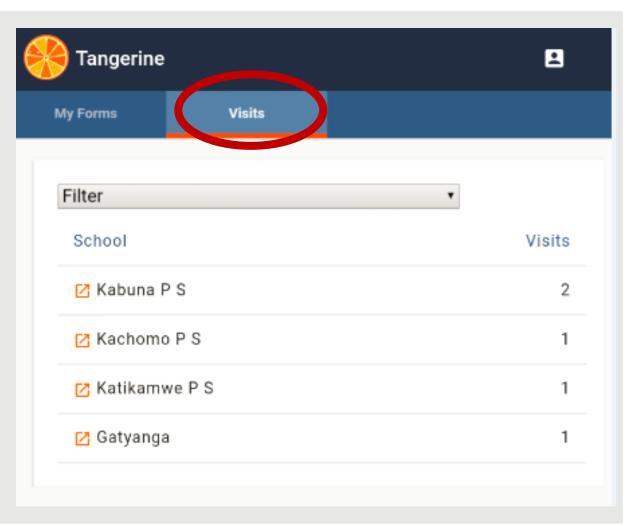
30%-70%

"You followed many of the steps where we ask learners to recall something

Tangerine:Coach

Additionally, lesson observations and feedback for each school are saved to CCT tablets

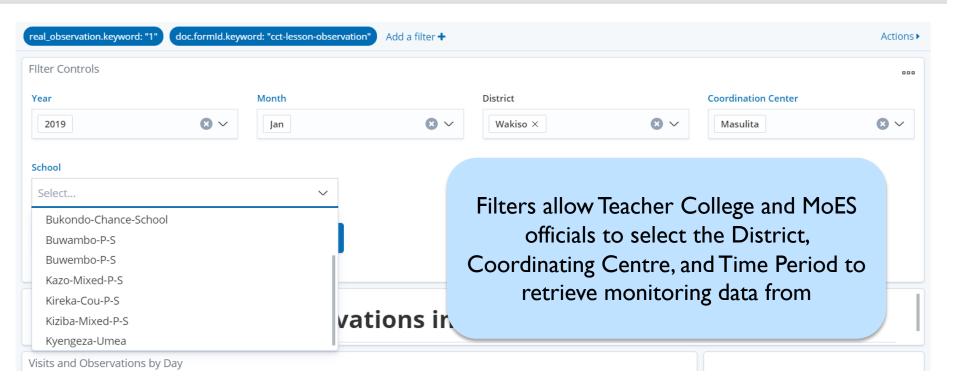
This enables them to pull up previous observations and scaffold their coaching.



Tangerine: Monitoring Dashboard

Uganda CCT School Visit and teacher and learner attendance dashboard





Tangerine: Monitoring Dashboard

Districts Most Visited During Timeframe					
District name 🗢	Schools Visited 🗢	Schools in the District 🗢	Percent Visited 🗢		
Wakiso	133	271	49 %		
Mbarara	91	219	42 %		
Serere	80	95	84 %		
Kasese	77	253	30 %		
Apac	68	137	50 %		
Kiruhura	66	138	48 %		
Mbale	52	132	39 %		
Bushenyi	46	150	31 %		
Arua	39	211	18 %		
Kyenjojo	38	128	30 %		
Export: Raw 🕹 🕞	ormatted 🕹				

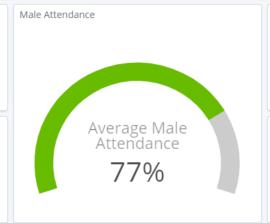
Data includes number of visits to each School, Coordinating Center and District, including most- and least- visited

Tangerine: Monitoring Dashboard Learner and Teacher Attendance



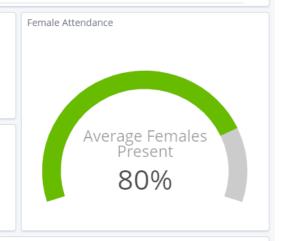


135.9
Average Number of Males



107.3
Average Number of Females
Present

134.5
Average Number of Females



Teacher Attendance in Timeframe

10.5
Average Number of Teachers Present

29.1

Average Number of Teachers Stationed



Yei Nimule Nimule Kit atsa Moto Pakwach Tangerine: Monitoring Mongbwalu Dashboard - Interactive Map Soroti Bunia UGANDA Kitale Tororo Mubende eni Mityana Kampala Kakamega 00 Entebbe Kisumu Katwe Masaka Kendu BayKe Kisii Sot Bukoba

Key Outputs

- Number of tablets distributed: 376
- Number of Coordinating Centre Tutors (CCTs) trained: 154
- Total number of stakeholders trained: 350
- Number of classroom observations uploaded since August 1, 2018: 1,402
- Number of Tangerine support group members led by Information Technology (IT) coordinators: 12
- Percentage of School Health and Reading Program (SHRP) districts covered through the Google.org grant program: 100%



Findings- No Change in Quantity – YET!

Term 3	2017 (Baseline) (Percentage) from Program FAs Data (Sample)	2018 (Endline) (Percentage) from FA Data (Sample)	2018 (Endline) (Number) from the Tutor Download (Percentage)
	4407 6 1 1	400/ 6 1	885 out of 4,081
Schools visited	46% of schools	42% of schools	schools=22%
		115 out of 144	134 out of 166
CCTs visiting schools	89%	CCTs=80%	CCTs=81%

Findings- Quality of Feedback Improved

	Pilot		Non-Pilot	
	Number	Percentage	Number	More
Guidance Provided		(%)		
Learner assessment*	27	6	48	2
Lesson planning and preparation*	18	4	62	2
Following the teaching steps*	12	3	19	I
Specific reading-related guidance*	15	3	54	2
General support (areas not previously mentioned)	45	10	133	4
No blue book or no entry in blue book	287	63	2,586	80

Linking it back to existing systems

- Use of teacher training college ICT staff to train and provide support
- Whatsapp group among teacher training college ICT staff
- Working with Ministry of Education to take over server maintenance

Audio Computer Assisted Self Interview (ACASI)



RTI has introduced the use of tablets for research studies using ACASI to collect data from students divulging sensitive information like that of harassment, bullying and violence

For more information

www.tangerinecentral.org



Google Play Store



