

FIELD IMPACT SPOTLIGHT: PADER DISTRICT

Editorial Note

March has been a month of meaningful progress at River Flow International, marked by impactful activities that continue to advance practical, hands-on learning in underserved communities. Our commitment to transforming education through science remains at the heart of everything we do. A key highlight was the successful teacher training in Pader District, which brought together 190 primary school teachers. This initiative showcased the enthusiasm of educators and reinforced the importance of equipping teachers with practical skills to make science engaging and effective in the classroom. As you read this edition, we invite you to celebrate these milestones and remain part of our journey. Together, we are inspiring a generation of curious minds, innovators, and problem-solvers through the power of science education.

190 TEACHERS TURN THE PAGE ON PRACTICAL SCIENCE



Mr. Nebert Nagaba, Science Outreach Officer at River Flow International, facilitates a hands-on training session for teachers from Pader District at Paipir Primary School on Monday, 23rd March 2026.

In March 2026, River Flow International expanded its footprint in Northern Uganda through a high-impact teacher training in Pader District, bringing together 190 primary school teachers at Paipir Primary School. For years, science teaching in the district has been largely theoretical, despite the rollout of the New Approach Primary Science Kits by the Ministry of Education and Sports in 2023/2024. Limited orientation and low teacher confidence meant

that many of these kits remained underutilized. That is now changing.

Through hands-on demonstrations, guided experiments, and peer learning, teachers gained practical skills to effectively integrate the science kits into their lessons. The training created a collaborative learning environment, enabling knowledge sharing between teachers from both equipped and non-equipped schools.

The results were immediate. Teachers reported increased confidence and a renewed ability to deliver engaging, learner-centered lessons. Classrooms are now shifting from passive theory to active exploration—where pupils can observe, experiment, and discover.

The District Education Officer called on participants to become champions of this transformation, emphasizing their role in scaling practical science teaching across Pader

The Primary Integrated Science Kit (mini-laboratory) for Primary Schools



The New Approach Primary

Integrated Science Kit (mini-laboratory) provides essential scientific teaching and learning materials that are difficult for teachers to improvise using locally available resources. These tools are critical in helping learners grasp key scientific concepts through practical, hands-on experiences, making science more engaging, understandable, and effective in primary education.



Mr. Stuart Nabaasa, the Technical Program Manager showing learners how the Microscope works

EIGHT SCHOOLS EMBRACE MINI-LABS TO TRANSFORM SCIENCE LEARNING

A growing shift toward practical science education is taking root across Uganda, as eight private schools complete hands-on training in the use of the Primary Practical Science Mini-Laboratory. Facilitated by River Flow International, the training equipped teachers from schools in Kampala, Mukono, Sembabule, and Arua with the skills to deliver interactive, learner-centered science lessons. The beneficiary schools include Golden Stars Primary School (Mutungo), Hopeland Junior School (Mukono), Makindye

Junior School, Oasis Schools (Arua), Spongebob Nursery School, Harbour Junior School (Nsangi), Lwemiyaga Junior School (Sembabule), and Cornerstone Community Schools (Buwate). With the introduction of the "Mini-Laboratory," classrooms are rapidly shifting from theory to practice. Teachers are now confidently demonstrating concepts such as electricity, magnetism, and the human body through experiments making science more engaging and easier for learners to understand. "Pupils can now see, touch,

and experiment. Science is no longer abstract it is real," shared one teacher. The initiative is already yielding results: increased learner participation, improved teacher confidence, and more meaningful classroom experiences. As River Flow International continues to champion hands-on learning, more schools are being encouraged to adopt practical approaches that build curiosity, critical thinking, and a deeper love for science. Practical science is no longer the future; it is happening now.

From Chalkboard to Experiment: Transforming Science Classrooms

Across Eastern Uganda, a quiet transformation is taking place in science classrooms one experiment at a time. Through River Flow International's Continuous Professional Development (CPD) program, hundreds of primary school teachers from Jinja City, Jinja District, Kalliro District, Butebo District, Mbale City, Mbale District, and Kibuku District have been trained to use the Primary Science Kit reaching thousands of learners in the process.

What was once taught through theory is now brought to life through hands-on demonstrations. Teachers are turning abstract concepts into real experiences, making lessons more engaging, practical, and memorable.

"For the first time, my pupils can see and touch what we are learning. Science is no longer difficult it is exciting," shared one teacher during the training.



With each training session, teachers are gaining confidence, sharing best practices, and adopting learner-centered methods that improve understanding and retention. By investing in teacher capacity, River Flow International is not just improving science lessons it is igniting curiosity, strengthening learning outcomes, and shaping the next generation of innovators in Uganda.

GrapeVine Junior School visits RFI For Science Tour



Learners from GrapeVine Junior School visited River Flow International for an interactive science tour that transformed curiosity into hands-on learning. Pupils engaged with experiments, deepening understanding, while teachers gained insights into practical teaching methods. The initiative fostered excitement, innovation, and experiential science learning beyond the classroom.

ECCE SECTION



Learners of Grapevine Junior School interactig with materials in the ECCE Kit

What to Look Out in the Coming Month

1. National Teachers' trainig
2. Online workshop
3. Documenting the PLE results across the Country.

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