EdTech Exchange • Episode 30

Reimagining How Students Study Through E-Learning

Mr. Luyima Mark

Wednesday 28 October 2026 • 5:30 – 6:30 PM • Zoom

Meet Grace, 9:40 PM

A COMPOSITE STORY

Grace, a S.3 student, has one candle-bright hour before bed. She re-reads her chemistry notes for the third time. Nothing sticks. She has no idea which topics she is weak in, her teacher marks tests two weeks later, and the exam is in three weeks.

Grace is not lazy. Grace is studying in a way that gives her no feedback.





Our hour together

1. Why change?

The case for reimagining study

2. Teachers + tech

Will e-learning replace teachers or enhance their delivery?

3. Who benefits?

Do Learners, parents, schools, the country benefit?

4. Kate-D live

A guided walk-through of the platform



5. Making it work

Real challenges and practical next steps

6. Your questions

Open discussion

Why traditional study habits struggle

Cramming

Night-before revision feels productive but fades within days.

Passive reading

Re-reading notes feels familiar, but familiar is not the same as remembered.

One pace for all

The fast learner waits; the struggling learner is left behind.

Late feedback

A test marked two weeks later cannot guide tonight's study.



Limited resources

One textbook for many learners, one teacher for many classes.

The habit is not the learner's fault. The system gave them no better tools.

Why e-learning? Why now?

Learning beyond walls

Lessons, practice and revision available at home, on a phone, tablet, laptop, at any hour.

Personal pace

Learners repeat what is hard and move quickly through what they know.

Instant feedback

A wrong answer is corrected in seconds, not weeks.

Resilience

When schools close, strikes, floods or pandemics hit, learning continues.

Story: in 2020, schools in Uganda closed for nearly two years. Learners with a digital route kept learning.

The numbers behind the shift

12M+
school-age learners in Uganda, with a shortage of qualified STEM teachers

49%
of students worldwide have experienced online learning

4 in 5
college students say online learning helps improve their grades

79.4%
user acceptance of an e-learning system at a Ugandan secondary school (Masindi)

8–10%
typical retention reported for traditional training

60%
retention reported with e-learning (upper end)

14%
Uganda internet use, 2017/18 survey: access is the gap to close

40–60%
less learning time reported vs. classroom settings

Sources: Ugandan e-learning studies (Kabalega SS; Makerere); industry e-learning statistics reports 2024–25; Research ICT Africa (via COL). Industry figures are indicative.

Two students, one chapter

Brian: the old way

Reads Chapter 5 twice. Feels ready. Sits the test: 48%. Learns he misunderstood moles only when marked papers return, two weeks later.

Sarah: the reimagined way

Reads Chapter 5, then takes a 10-question quiz. Sees she is weak on moles. Replays that topic, tries again, improves from 4/10 to 8/10 the same night.



Same chapter. Same hour. Different feedback loop.



E-learning enhances teachers’ delivery.

The platforms handle

- Practice and instant marking
- Repeating explanations on demand
- Tracking each learner's progress
- Giving every learner extra practice

The teacher does

- Inspire and motivate
- Notice who is struggling and step in
- Explain, discuss and mentor
- Shape values, character, critical thinking

Technology + Teacher = better learning + Higher grades + Development

A teacher's story: what changes on Monday

A COMPOSITE STORY

Mr. Okello teaches 120 learners. Every weekend he used to mark practice questions until midnight. Now learners practise on the platform and he sees on Monday morning that 70% of the class missed the same question on balancing equations. He opens class with that exact topic. His marking time drops. His time with students goes up.

Better teaching starts with seeing where learners actually are.





Who benefits? Learners and parents

Learners

Study at their own pace • get instant feedback • see their own progress • learning feels like play, not punishment • build confidence

Parents

See how their child is progressing • know where to help • safer, structured screen time • less spend on scattered extra resources • specific praise at home

Who benefits? Teachers and schools

Teachers

Less repetitive marking • class-level insight on weak topics • more time for real teaching • reusable content

Schools

Consistent quality across classes • data for planning and support • extends the school day beyond the walls • attracts parents and learners

School leaders

See performance trends early • target support where needed • show improvement with evidence

Who benefits? The country

Equity

A learner in a remote district can reach the same quality practice as one in the city.

Skills

Digital literacy grows naturally and prepares youth for jobs and innovation.

Efficiency

Scarce teacher time goes further; content is built once and reused.



Local content

Learning tailored to our curriculum and context builds home-grown solutions.



Platform walk-through

Meet Kate-D

An e-learning platform for students • students.mulmet.com



KATE-D

What is Kate-D?

Games and puzzles

Interactive activities that turn practice into play.

Learning paths

Customisable routes so each learner follows what they need.

Progress tracking

Learners (and teachers and parents) can see how they are improving.



Works on gadgets such as phones, tablets and computers

Installable web app, so a phone can be the study desk.



A learner's journey on Kate-D

1 Sign in

2 Choose a learning path

3 Play and practise

4 Get instant feedback

5 Track progress

LIVE DEMO: students.mulmet.com

How Kate-D helps everyone

Students

Fun practice, instant feedback, learn at their own pace.

Teachers

See where learners struggle and plan lessons around it.

Parents

Visible progress and structured, purposeful screen time.



The country

Locally-built, scalable learning that supports equity, digital skills and overall STI agenda

Honest challenges, practical answers

Data costs and connectivity

Use light platforms, short sessions, school Wi-Fi hubs, telecom partnerships.

Devices and power

Shared school devices, phone-first design, charging corners.

Digital skills

Short teacher training, student peer champions.

Screen-time worries

Purposeful, time-boxed learning with parent visibility.

Key takeaways

1. Reimagining study means better feedback, not just new gadgets.
2. E-learning enhances teachers; it never replaces them.
3. Everyone gains: learners, parents, schools, and the nation.
4. Start small: one habit, one platform, one class.



Thank you

Questions and discussion

Luyima Mark • students.mulmet.com • @EduTechTrsNet #EdTechExchange









