



LEARNING PIONEERS PROGRAMME

INNOVATION CAMP 2025

BEYOND
DIGITAL AS USUAL



See the future differently, 21 Oct

9:30 – 10:00: How we can see differently:
empowering teachers

The common thread

*Shortage of STEM teachers. Could a Math teacher be **supported to teach Science?** Cote d'Ivoire*

*We're facing learning poverty and an extreme **shortage of teachers.** Tanzania*

*There is **low motivation** in teachers to adopt EdTech- **Ukraine***

*Teachers need to be coached on how to make **teaching simple, with digital.** Pakistan*

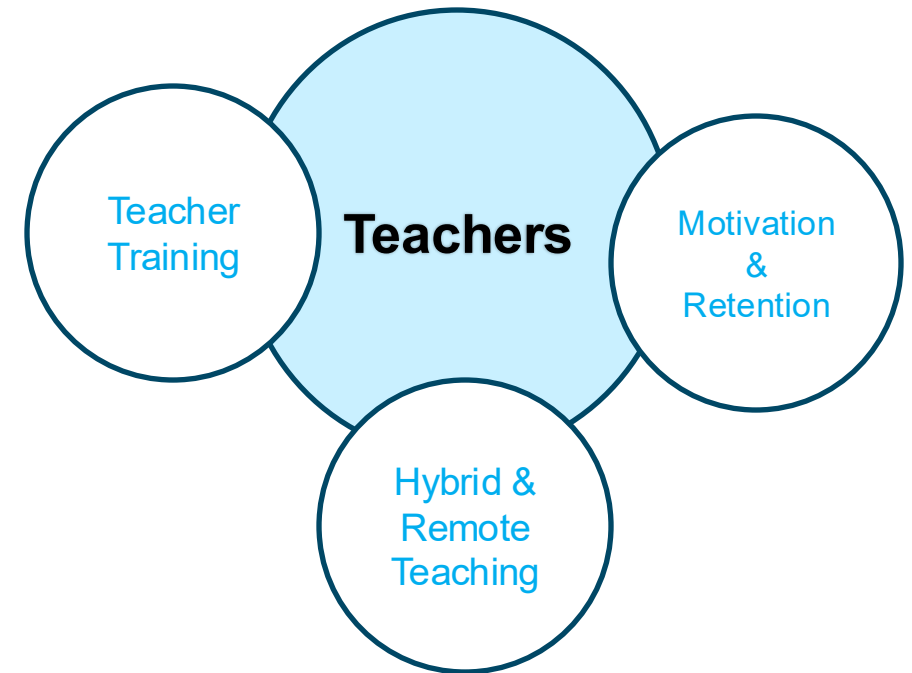
*Lack of real (training) programme for teachers. **We forget to ask teachers what do they want.** Jordan*

*Teachers would like to **learn themselves,** through self-paced learning. **Lao PDR***

How can technology support and empower teachers, school leaders, and non-formal education facilitators?

Settings where teachers:

- Have low capacity and teaching competency (pedagogical skills, subject knowledge, digital competencies); school leaders have low capacity on school management, planning, leadership, digital competencies
- Handle big class sizes, multi-shift classes (shortage of teachers)
- Are overburdened with administrative work
- Education is disrupted/emergency settings
- Hybrid and/or remote learning settings
- All of the above



Seeing Teacher Support Differently

“Technology is moving quickly but teaching in schools is hostage to old ways of doing things”
– Parent in Egypt referring to how pedagogical approaches/teaching in schools has not evolved

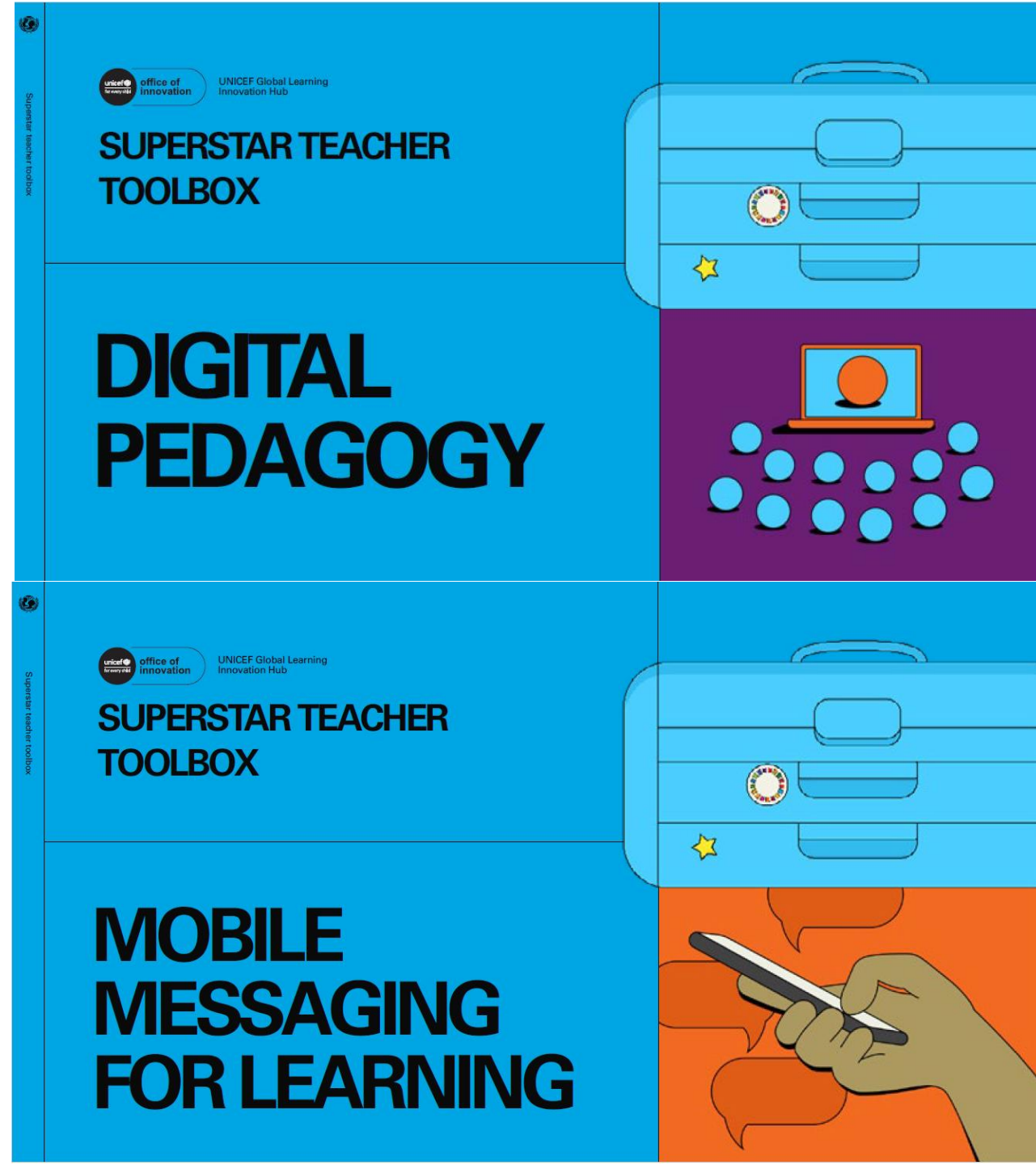
For digital education to be effective, **teachers and school leaders** need to be **empowered** to understand how digital tools can be used to impact student learning outcomes, identify which tools to use, and how to adapt their teaching. This will boost their **capacity** and **confidence**, **change mindsets** and ensure effective integration of technology in education systems.

We need to pivot from training teachers about *using* technology, to **practical, concrete guidance** on *how to effectively use technology based on sound pedagogy*.

Pedagogy-First, Not Tech-First.

Superstar Teacher Toolbox

Empowering Teachers
in the Digital Age





SUPERSTAR TEACHER TOOLBOX



An organic **practical** toolbox to **empower teachers**



Covers ECE to K12; formal, non-formal education settings, emergencies



Problem-led, based on demand and country needs



2 key tools currently

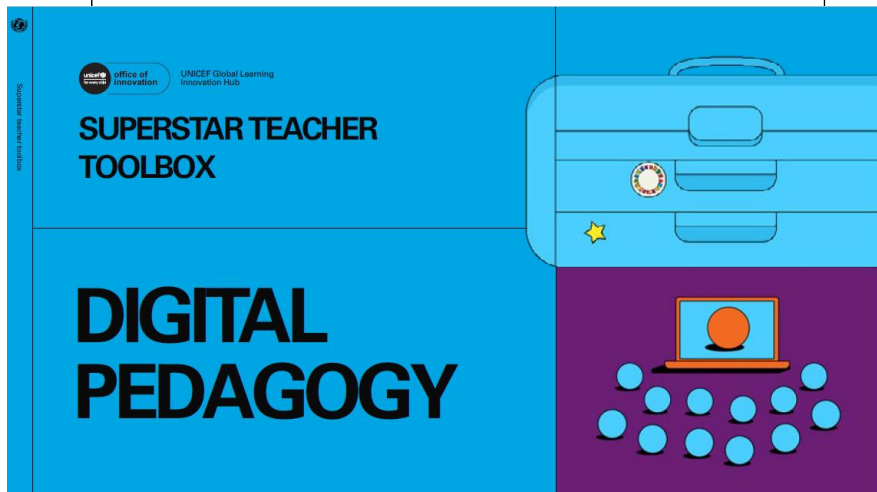
1. Digital Pedagogy Tool
 2. Mobile Messaging Tool
- More tools coming...

Aimed at equipping **teachers** working in various contexts access to easy-to-use practical tools to **effectively integrate technology in teaching-learning** to improve student learning outcomes

Reimagine Teaching with Technology!

What is **digital pedagogy**? This is the foundational concept of one of our tools: The Digital Pedagogy Tool.

Digital Pedagogy is the thoughtful use of digital tools and technologies to design, deliver, and enhance teaching and learning experiences for your students.



Digital

Digital means something that uses computers, the internet, or electronic devices

Pedagogy

Pedagogy means the method and practice of teaching - how teachers help students learn



CONTENTS

1

Planning teaching with digital technologies



2

Implementing digital pedagogy



3

Additional information and resources



- 1.1 Setting learning objectives
- 1.2 Planning learning assessment
- 1.3 Planning social elements
- 1.4 Long-term planning
- 1.5 Lesson planning
- 1.6 Preparing content

- 2.1. Social & collaborative learning
- 2.2 Problem-solving & thinking
- 2.3 Play and creativeness
- 2.4 Assessment and feedback
- 2.5 Learning to learn

- 3.1 Digital safety
- 3.2 Accessibility and inclusion
- 3.3 Digital competences
- 3.4 AI & analytics
- 3.5 Digital pedagogy: theory



Digital pedagogy considerations

Nguyen, a dedicated class teacher for two years, faces the challenge of integrating technology into his bustling classroom of 38 eager 8- to 9-year-olds. With a limited number of laptop computers at his disposal, he ponders over their potential to enhance social learning. Each device is like a portal for two students, a shared window into a world of digital collaboration. As Nguyen contemplates the best approach to foster meaningful connections through these screens, let's join him in exploring the various digital pedagogy considerations that can transform his classroom into a hub of interactive learning.

Consideration 1: Supporting learner emotional safety: In interactive digital environments, it's vital to ensure the emotional well-being of learners. The digital setting should promote focus, and not detract from learner concentration.

- ⊕ **Tip:** Engage in dialogue with learners about the appropriateness and responsibility of digital and F2F social interactions. Collaboratively create house rules that recognise the value of constructive disagreements and discussions. Practice providing and evaluating digital feedback, which can later be reviewed for quality.

Consideration 2: Optimising timing and placement of digital interaction: Digital collaboration is typically associated with distance learning, but in a traditional classroom setting, it can also provide a platform for for written discussions, where ideas can be articulated more clearly and participants have time to fully absorb the content. Both written and spoken language can be used, and silent digital discussions can be especially effective in larger classes.

- ⊕ **Tip:** Utilise the social element to enhance motivation, share knowledge and experiences, facilitate problem-solving, collect information, or conduct peer feedback (see also consideration 4, and Bloom's digital taxonomy in "3.5 Digital pedagogy theory" for further reading).

Consideration 3: Develop strategies to help learners engage with each other's work and ideas, fostering a collaborative environment for knowledge building.

- ⊕ **Tip:** Collaborative group learning activities that involve finding and attaching new information to create, for instance, mind-maps, presentations, podcasts, or video scripts are excellent for practising collaboration and knowledge analysis. Encourage systematic and repetitive use of digital tools to help in processes such as information gathering. This also enables remote participation if needed.

Consideration 4: Use digital tools as supplementary channels for communication, enhancing dialogue among learners.

- ⊕ **Tip:** Remember that technology facilitates various means of expression not limited to text. Emojis, images, videos, and audio can all be part of the communication toolkit, offering diverse means for learners to convey their thoughts and ideas. This may prove to be especially beneficial for younger learners.

Lead with Pedagogy, Not Technology

- Pedagogy first!
- In the hands of a superstar teacher, it can become transformational
- Technology is merely an enabler
- Education and future-ready skills are rapidly changing around the world
- We must keep up, and make the most of it to ensure all children are learning and no one is left behind

Technology alone is just a tool; it's the teacher that makes it meaningful.



Teaching through Mobile Messaging



- A guide to leveraging mobile messaging (WhatsApp, SMS, etc.) for education.
- Offers practical tips and examples for using mobile phones to support teaching and learning, especially in under resourced, remote, or emergency settings.
- Emphasis on sound pedagogical approaches and safety
- Can be integrated to teacher professional development programmes that already use mobile messaging to reach teachers



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MOBILE MESSAGING FOR LEARNING

**1 Embracing mobile
messaging for learning**



**2 Connectivity for effective
mobile learning**



**3 Pedagogy of mobile
messaging teaching**



**4 Ethical guidelines and
boundaries**



**5 Planning teaching with
mobile messaging**



6 Content creation



**7 Assessment via mobile
messaging**



8 Teacher support



9 Caregiver involvement



Superstar teacher toolbox	Embracing messaging Connectivity Pedagogy Ethical guidelines Planning teaching
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CONTENT CREATION	
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Embracing messaging

Connectivity

Pedagogy

Ethical guidelines

Planning teaching

Content creation

Assessment

Teacher support

Caregiver involvement

TOC

REF

6 Content creation > Example lesson plans

Lesson plan 2:

Vocabulary (asynchronous task)

Listen to the teacher's audio message.
Does the word start with the letter 's'?

🔊

send audio of the words:

☀️

sun

🐍

snake

🥪

sandwich

⭐️

star

🐢

turtle

🚢

ship

🌪️

storm

🐅

tiger

🍓

strawberry

🏃

sprint

Can you think of more words that start with the letters? Try to come up with at least three words and send them as a text/emoji to the teacher.

Embracing messaging

Connectivity

Pedagogy

Ethical guidelines

Planning teaching

Content creation

Assessment

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Caregiver involvement

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REF

6 Content creation > Example lesson plans

Lesson plan 3:

Basic arithmetic (real-time lesson)

Objective:

Students will practise addition and subtraction using emojis as visual representations.

1. Introduction:

TEACHER:

Hello students! 🌟
Today, we'll practise some basic arithmetic using emojis.
Ready to solve some fun maths problems? 🍎 🧮

STUDENT:

Ready! 🍷 📊

2. Addition practice:

TEACHER:

Let's start with addition.
What's 🍎 + 🍎?

STUDENT:

2 apples 🍎 🍎.

3. Subtraction practice:

TEACHER:

Great! Now, what's 🍇 🍇 🍇 - 🍇?

STUDENT:

2 grapes 🍇 🍇.

4. Mixed problems:

TEACHER:

Now, it's a bit tricky!
Solve this: 🍌 + 🍎 - 🍇.

STUDENT:

1 banana 🍌 and 1 apple 🍎.

5. Real-life application:

TEACHER:

If you had 🍎 🍎 🍎 and gave away 🍎, how many apples would you have left?

STUDENT:

1 apple 🍎.

6. Conclusion and homework:

TEACHER:

Excellent work today! 🌟
For homework, create your own maths problems using emojis. Share them tomorrow!

STUDENT:

Will do, teacher! 📱 🧮

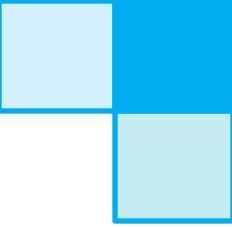
Trainer's Voice

“I used the Digital Pedagogy and Mobile Messaging modules for developing my training for teachers...After the training, participants felt more confident about using available digital tools to make lessons more effective and learner-friendly. They were also more comfortable choosing platforms and methods that suit learners' needs.”

- Teachers Without Borders volunteer teacher trainer in Kyangwali Refugee Settlement (Western Uganda)



How do you access the Superstar Teacher Toolbox?



PDF Guides available online

- User-friendly PDF handbooks – one for Digital Pedagogy and one for Mobile Messaging
- Can be downloaded or printed, allowing offline access for teachers anywhere
- Can be translated to different languages (Spanish, French, Arabic translations underway)

Online Courses

- Available as a self-paced, interactive online course (about 4 hours) on UNICEF's Learning Passport platform.
- Can be easily integrated into national teacher digital platforms
- Contents are modular, self-paced learning with assessments and a **certificate** upon completion.
- Digital Pedagogy tool online course currently available; Mobile Messaging Tool underway

Text-based/mobile-based delivery

- Can be integrated to teacher professional development programmes that already use mobile messaging apps (e.g. WhatsApp) to reach teachers

We are living in a technology era, so we cannot continue having technophobia. The Toolbox is practical and hands-on, and it helps us keep up with day-to-day changes... It is going to equip us with the digital skills we need.”

-Teacher, Zimbabwe

Online course demo



Search for courses or lessons

English (Unit...)

← Superstar Teacher Toolbox Digital

01  Superstar Teacher Toolbox Di...

UNICEF Superstar Teacher Toolbox: Digital Pedagogy

  Certificate

Superstar Teacher Toolbox Digital Pedagogy Online Course

Lesson

Comment

Full screen

UNICEF Superstar Teacher Toolbox: Digital Pedagogy

START COURSE

unicef 

for every child



unicef 

for every child

Explore the Digital Pedagogy Tool!

Designed for educators at all levels of digital proficiency, this resource (which is a part of **UNICEF's Superstar Teacher Toolbox**) offers practical guidance to help teachers and school leaders implement and deepen digital teaching practices, fostering educational transformation.

This course and all materials within it are licensed under [CC BY-NC](#)

Superstar Teacher Online



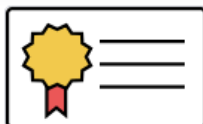
What is digital pedagogy?





My Courses

Course Library



My Certificates

[View Certificates](#)

All courses

*  Learners - Climate Education

*  Learners - Literacy, Reading, Writing

*  Learners - Numeracy, Math

 Teachers, Facilitators - Teaching & Training Resources

Learners - Climate Education
PowerPoint Presentations for primary and secondary educators teaching about climate change.



A course by: EducaClima

01 - 12 PowerPoint Pre...

Estudiantes - Educación climática
Presentaciones de PowerPoint para educadores de primaria y secundaria que enseñan sobre el cambio climático



Un curso de: EducaClima

01 - 12 Presentaciones ...

Learners - Literacy, Reading, Writing
Foundational Literacy Practice Assessment



PRE-ASSESSMENT

A course by: UNICEF

***01 - 03 Primary Liter...

Learners - Literacy, Reading, Writing
Foundational Literacy Practice Activities



PATHWAY 2

A course by: UNICEF

**01 - 03 Primary Litera...

Certificate of Completion

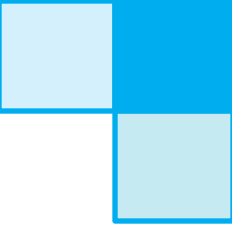
This is to certify that

has successfully completed the course

**Superstar Teacher Toolbox Digital Pedagogy Online Course - UNICEF Global Learning
Innovation Hub**

offered by UNICEF Global Learning Passport on October 13, 2025

**UNICEF Global
Learning Innovation Hub**



What's Next – Expanding the Toolbox Contents

The Superstar Teacher Toolbox is **not a static product** – it's continuously growing.

Upcoming tools:

- ✓ **Mobile Messaging** for Learning
- ✓ **Pedagogical approaches for shared digital devices** in schools
- ✓ strategies for **inclusive** digital education
- ✓ deeper dives into **AI for teachers**

Superstar Teachers in the Digital Age - Join the community!

- Adapt and translate the Toolbox/online course
- Integrate to national teacher professional development programmes, including as online courses and/ via mobile messaging
- Share with us **use cases** about teachers in your countries
- Report the outcomes!

Have your say! MENTI METER

What other topics should be included in the Superstar Teacher Toolbox to align with your country's needs and priorities? (Enter up to 3 topics, 1-3 words each. One topic per entry) Your inputs can **shape additional tools/topics as part of the Toolbox!**

Go to
menti.com and
type the code:
9467 1310

