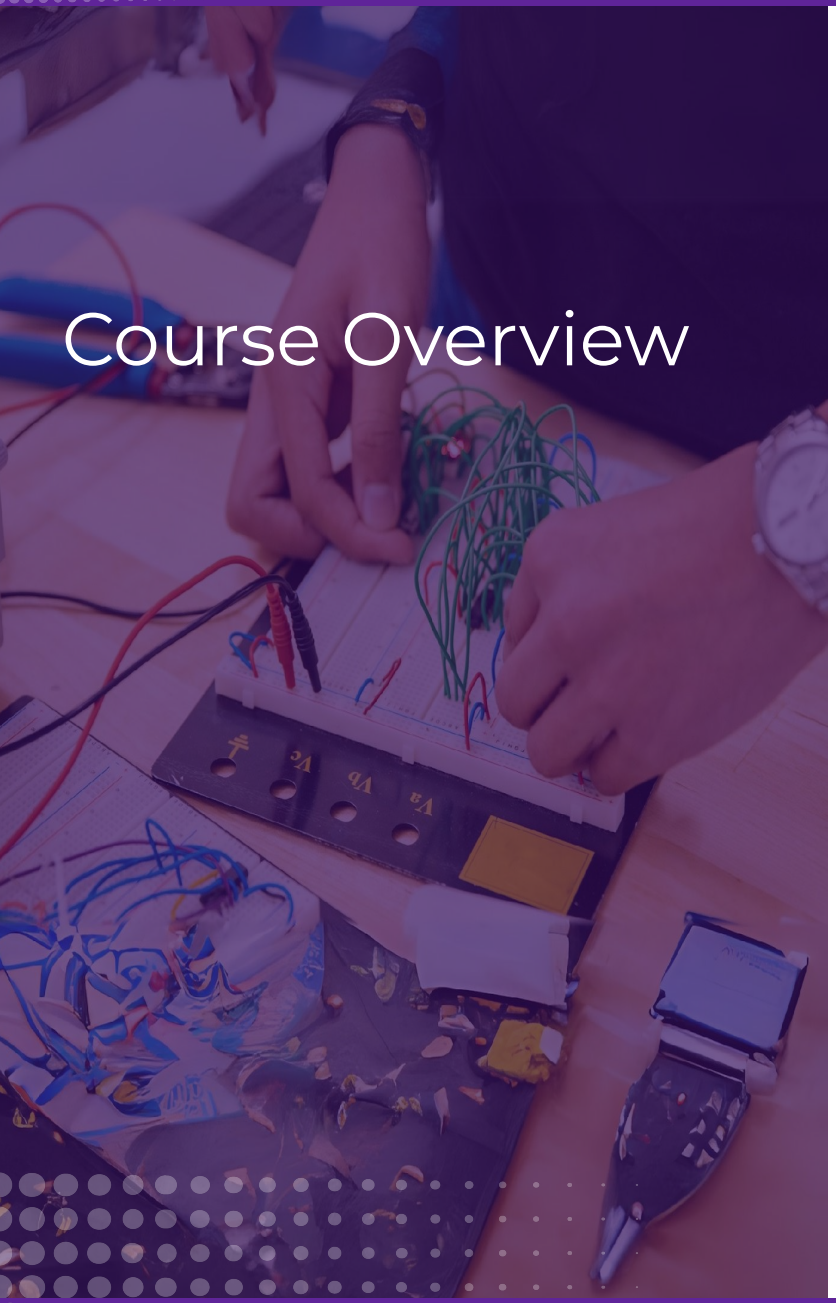
PHOENIX SPACE

IMPACT REPORT

Phoenix Space CIO

Training Teachers for the AI-Powered Classroom

July 2025



Course Overview

In July 2025, Phoenix Space delivered **groundbreaking** training for teachers in rural **Thailand, at Tarbiatulwatan Mulniti School in Yala.** Our British team brought **AI-powered education, hands-on STEM teaching methodologies and low-cost, high-impact digital tools** into classrooms that will benefit the most. This 4-day programme empowered **31** local educators. The course **'Training Teachers for the AI-Powered Classroom',** introduced local educators to tools such as **Mathigon, Scratch, Desmos, Gemini, PhET and GeoGebra.** The training equipped teachers with the tools, **confidence, and competencies to design, implement and deliver STEM lessons** through **play, exploration and real-world relevance,** approaches shown to improve students' cognitive recall and engagement.

I learned how to design engaging learning activities. I was able to apply the techniques right away in my classroom, and my students responded with more interest and participation.

Teacher Suhada

Tarbiatulwatan Mulniti School

Tarbiatulwatan Mulniti School in Yala, Thailand.

1,500
Students

5-18
Age Range

40:1
Student Teacher Ratio

Challenges faced by local teachers

Teachers face various challenges and barriers to optimise student learning

The problem teachers face:

- Low student motivation.
- Traditional, textbook-heavy instruction.
- Technology gaps in classrooms and at home.
- Time constraints on part of teachers to prepare lesson plans.

Barriers to impact of conventional methods:

- Lack of devices/internet for students at home.
- Budget limitations for materials.
- Infrastructure inequality across schools.

At school we can try, but at home students have nothing.

Teacher

Classroom environment before the course....

Before this course, I never thought AI could help me plan a lesson.

Teacher

77%

used digital technologies sometimes or often to help create lesson plans

23%

had previously used hands-on or project based learning in classrooms

42%

had used digital technologies in the classroom

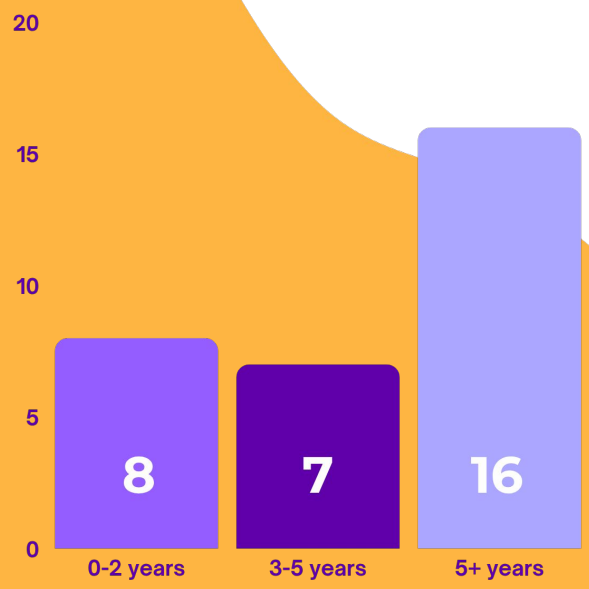
52%

were open or very open to learning new teaching practices and applying them in the classroom

Get to Know the Teachers

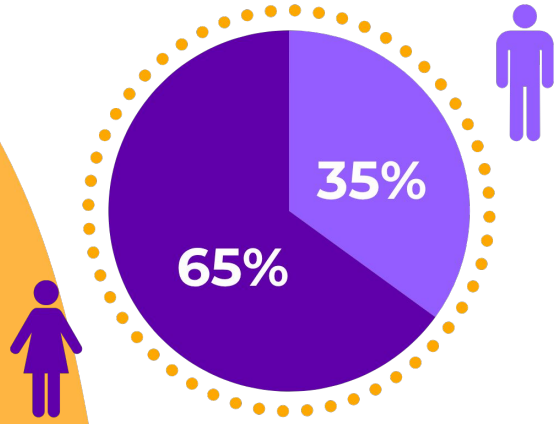
The teachers teach a range of ages across Years 1 to 12

Classroom Teaching Experience



31
Teachers

32
Average Age



Programme Aim

Equip teachers with engaging, real-world STEM strategies and AI tools

Areas of Focus

- Day 1: Intro to Phoenix Space and STEM Education
- Day 2: AI for learning: Deepseek, ChatGPT, NotbookLM, Gemini
- Day 3: STEM hands-on learning activities
- Day 4: Digital resources: Desmos, Scratch, Mathigon's Polypad, PhET

Course Length

15 learning hours

over **4** days

Digital & AI Integration Skills

Pedagogical Skills

Designing engaging lesson plans.
Using creative, interactive formats to improve student participation.

Facilitating hands-on STEM activities
Running experiments, group projects, and local-material activities.

Incorporating real-world problems into lessons
Connecting math and science concepts to everyday life (e.g. local engineering challenges).

Digital & AI Integration Skills

Using AI tools to support teaching
Chatbots for content creation, lesson planning, quiz generation.

Introducing students to AI-powered learning tools Simple applications that students can engage with (when infrastructure allows).

Familiarity with educational platforms and applications
Exploration of apps such as LM notebooks and other teaching software.

Digital & AI Integration Skills

Contextual Adaptation Skills

Adapting teaching to resource-limited environments
Finding low-tech or offline methods when digital tools aren't available.

Localizing STEM education
Using familiar local contexts and materials to teach abstract concepts.

Reflective and Planning Skills

Lesson reflection and iterative improvement
Re-evaluating what works and planning changes.

Time management for lesson preparation
Prioritizing time for innovation, even within tight teaching schedules.

Student-Centered Teaching Strategies

Increasing classroom interactivity
Shifting from lecture-based to activity-based teaching.

Enhancing student engagement and motivation
Making learning fun, visual, and curiosity-driven.

Group facilitation and collaborative learning
Structuring peer-based tasks and teamwork.

Outcomes

Increased Student Engagement

Teachers expect their classrooms to be more enjoyable and participatory.

"My classroom will be more fun and engaging."

93%

of teachers feel more confident that they can better engage their students in the classroom.

Integration of AI into Teaching

Teachers began using or exploring AI tools for lesson planning and content creation.

"I can definitely talk to AI in a variety of ways to help with teaching."

Greater Use of Hands-on Activities

A shift toward tactile, real-world STEM learning methods.

"Using hands-on STEM activities made math more exciting and easier to understand."

63%

of teachers feel they are better equipped to to create practical exercises that bring the academic theory to life.

Stronger Connection Between Lessons and Real Life

Teachers learned to embed real-world relevance into STEM education.

"I will design more engaging, real-world problems for students to solve."

96%

of teachers believe a student learns more when they can put their learning into practice.

Outcomes

Confidence in Using Technology for Learning

Teachers felt more prepared to explore apps and digital tools in their teaching.

"I learned about many applications that I can use in my class now."

67%
of teachers feel more confident to use digital technologies in the classroom.

Collaborative Teaching Practices

Emphasis on group work, peer learning, and co-creation among students.

"I liked the group project because we worked together and shared ideas."

Motivation to Continue Professional Development

Teachers expressed a desire to keep learning beyond the course.

"I want to learn more about integrating AI and new activities into teaching."

Improved Lesson Planning Skills

Teachers developed new strategies for preparing creative, student-centered lessons.

"I would use extra time to plan creative lessons and explore new tools."

86%
of teachers feel they are better equipped create a curriculum that is fun and engaging.

Our Teachers Voices

I believe this programme will encourage more collaboration among teachers at my school. I plan to share what I've learned with my colleagues, which can lead to better teaching practices across the school.

- Teacher Amal

This programme will encourage students to continue learning at home. Since it's interactive and fun. It also helps develop problem-solving and critical thinking skills that are useful in real life.

- Teacher Fateema

I believe this programme will make learning more engaging and interactive. It helps students understand difficult concepts through animations, games, and hands-on activities. I think it will improve student participation and make the classroom more fun and effective.

- Teacher Roiyan

phoenixspace.org

Contact us:
sarah@phoenixspace.org