

INNOVATION CAMP

HELPING STUDENTS ACHIEVE THEIR DREAMS





YOUR CONTRIBUTION WILL HELP THAI STUDENTS UNLEASH THEIR 21ST CENTURY POTENTIAL

As Thailand charts a new path in its development under Thailand 4.0, no group will have a greater impact on whether the nation sinks or swims than today's students.

Unfortunately, most students are still taught outdated, memorization-based skills that are better suited for the assembly line than the modern, dynamic workplace.

You can make a real impact
on improving the Thai education system
and elevating the nation's future
by supporting Kenan's Innovation Camps
and education ecosystem.

During Innovation Camps, students perform a series of hands-on, team-based activities in which they apply fundamental science, technology, engineering and math (STEM) knowledge to solve challenging real-world problems.

In a vast departure from the ordinary classroom, students ask probing questions, challenge conventional thinking and test out-of-the-box theories.

The process helps students unleash their hidden 21st century skills, such as critical thinking, creativity and teamwork, with guidance and support from Kenan's education experts.





The fun, exciting learning environment of Innovation Camps provides the perfect entry point for students to learn key STEM knowledge, practice 21st century skills and learn about the amazing careers available to those who study in STEM fields.

Most importantly, your contribution feeds into Kenan's broader work to transform Thailand's education system from rote memorization to 21st century learning.

Students that participate in an Innovation Camp have access to Kenan's nationwide school network, where teachers and principals are trained and mentored on the very best education practices and have access to critical resources for the classroom.

This ensures that the knowledge and inspiration students gain at the Innovation Camp will be deepened in their formal classroom.

WHAT IS AN INNOVATION CAMP?

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Our Innovation Camps offer students an exciting opportunity to step outside the confines of the classroom to go on an action-packed, 21st century learning adventure.

Through fun, hands-on learning activities, kids explore new ideas that are shaping the modern world, solve challenging problems and grow their STEM knowledge and 21st century skills.

Kenan's team of education experts have carefully designed powerful, project-based learning activities that make students think they are playing with friends, when, in fact, they are busy mastering the concepts behind the groundbreaking theories and technologies that shape our world.

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ENJOYABLE AND INNOVATIVE EXPERIMENTS

Innovation Camp activities blend enjoyment and innovation through challenging, project-based experiments. In a lesson called Racing with the Sun, for example, students work in teams to create cardboard cars from scratch and use solar cells to absorb energy from the sun to fuel their vehicles.

Racing with the Sun is one of the many activities at a Kenan Innovation Camp that empowers students to unleash their creativity to address a real-world problem.

The activity engages students because it is fun and exciting, but all the while they are learning about a potential solution to energy sustainability, one of the great challenges of our time.



- Fun, Exciting Program
- Inspires Students about Future Careers
- Challenging Assignments
- Hands-on Activities
- Relevant to Formal Curriculum



Kenan Innovation camps nurture students to become confident thinkers and independent doers who can work with others to solve complex problems.

Instead of being told what to do or what the answers are, students conduct hands-on, inquiry-based activities and discover answers on their own, which helps build critical thinking skills.

HIT THE TARGET

SAMPLE OF HANDS-ON ACTIVITIES/ CHALLENGING ASSIGNMENTS

A group of students design and build a catapult that will launch a projectile at a target.

The projectile must pass over a one-meter tall wall without touching it.

"There were many challenges for us to work on as a team, and the activities gave us the chance to practice our creativity, ingenuity, and decision making"

After a day filled with designing prototypes, models, and launching projectiles, Pongsapak realized something that previously seemed impossible: science can be fun.

Rather than watching and listening to a teacher for eight straight hours, Pongsapak and his peers brainstormed, developed hypotheses, and tested solutions to interesting problems.

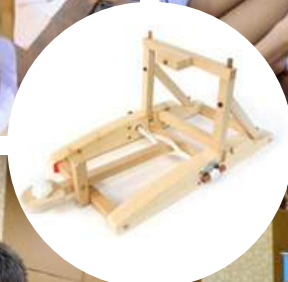
In other words, they were active participants in their learning, a key factor in developing 21st century skills.

To learn more about Pongsapak's story, please visit www.kenan-asia.org/inspiring-students

Design



Build



Try



Celebrate



A project-based learning activity involving integrated physics, in which students do the following:

- ▶ Articulate the concept of elastic potential energy
- ▶ Describe how energy stored as potential energy can be converted into kinetic and gravitational energy
- ▶ Design a ping pong ball launcher to consistently hit a target
- ▶ Predict where the ping pong ball will land based on physics principles taught in class



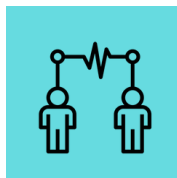


Conduct practical learning themes engage students through participatory exercises, in which they learn key STEM concepts in critical and creative ways.

4C – A CRITICAL SKILL SET FOR 21ST CENTURY



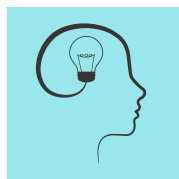
CRITICAL THINKING



COMMUNICATION

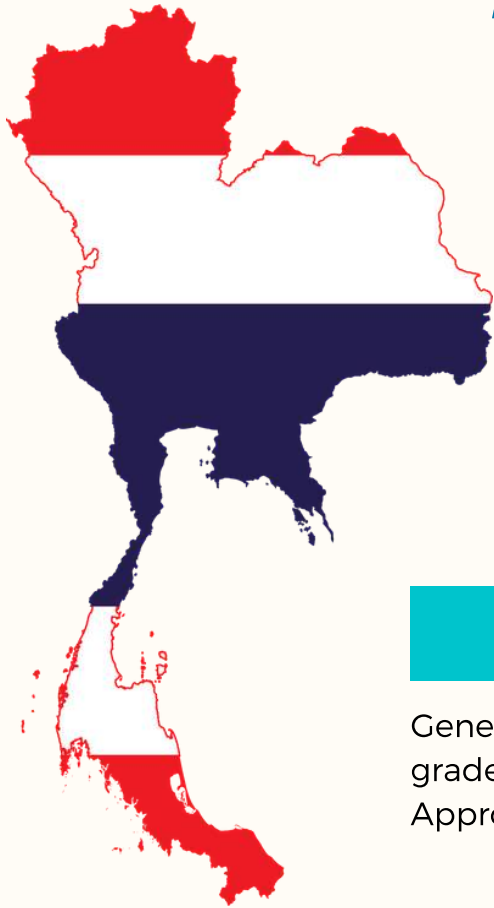


COLLABORATION



CREATIVITY

MAKE A REAL IMPACT ON IMPROVING THE THAI EDUCATION SYSTEM



LOCATION

Kenan's nationwide network of over 700 schools in 30 provinces

STUDENT PROFILE

General students from grades 4-9, Approx. 11 - 16 years old



Engage in inquiry-based problem solving, helping students become comfortable with learning from failure

Learn to work successfully in teams and develop self-confidence

Learn how to analyze and solve problems, develop critical thinking skills

Be inspired to pursue a STEM career

Apply STEM content to solve real-life problems

STUDENT
IMPACT FROM
AN INNOVATION CAMP

Kenan

Foundation Asia

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VISION

Empowering people with the knowledge,
technology and skills necessary for
a better future.

3 KEY CHALLENGES

- Small Business Competitiveness
- 21st Century Education
- Lasting Communities