



# Using Kahoot in the class

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## Overview

Lot of engineering students are shy to answer questions in the class. One possible reason is that they are afraid if they can't get the right answer. One way to solve the problem is using "Kahoot" to let them answer. Another important reason is it's more fun than raising their hands and answer.

## Aims and objectives

- Let students do the quiz by Kahoot
- Students learn more technology.

## Activities

I tried "Kahoot" with students in two subjects in this trimester: "Thermodynamics of Materials", and "Introduction to Composite Materials" to see if students enjoy the activities in the class more than usual quiz and lecture. Using Kahoot is applied after giving some lecture like 50 minutes and gave them a break of 5 minutes.

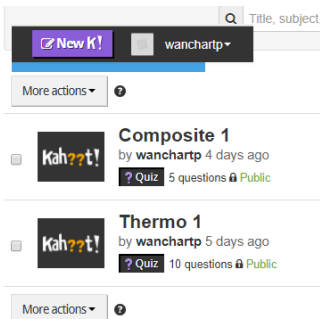


Figure 1: (a) list of subjects

(b) students in the class.

## Outcome

Most of students knew kahoot before the class but many of them have never played it. However, a few students had difficulty to log on internet. Overall, students had fun and paid more attention to the class. Using interactive method kept them more active.

## Impact

Lecturer has not to bring the quiz/exam paper to the class, so students will not know if there is going to be a quiz in the class. They are more active to learn. They have to access the internet, and play the game with 5 or 10 short questions. The class is more enjoyable. Some questions are from a class in previous semester but related to the current subject. The figure shown is from Composite class. It shows that students learned and remembered it since the highest is 5 out of 5. Some feedback from students are:

- it's fun.
- It's more interactive
- It's helpful and useful.



Thermo 1				
Rank	Name	Score	Time	Points
1	Wanchart	100%	00:00	10
2	Wanchart	100%	00:00	10
3	Wanchart	100%	00:00	10
4	Wanchart	100%	00:00	10
5	Wanchart	100%	00:00	10
6	Wanchart	100%	00:00	10
7	Wanchart	100%	00:00	10
8	Wanchart	100%	00:00	10
9	Wanchart	100%	00:00	10
10	Wanchart	100%	00:00	10
11	Wanchart	100%	00:00	10
12	Wanchart	100%	00:00	10

(a)

(b)

Figure 2: (a) List of winners shown on screen (b) excel file for students' scores.

However, for Thermodynamics course, the highest score is 5 out of 10. Students said they can't translate English to Thai and do it in time (30 or 60 seconds). Most of thermodynamics questions are calculation and take longer time.

In order to see the efficiency of the teaching, we will have to wait until trimester ends. Normally, I got about 4.2-4.6 out of 5 from students in evaluation after the trimester, and will see if using Kahoot frequently will make students feel that they learn more in the class. In the oral presentation in Module 2 of the UKPSF training, I intended to use Kahoot for another course (Engineering Materials that has about 150-200 students) but it will be in first and second trimesters (now it is third trimester).

## Future Development

In next trimester, a big class in Engineering Materials that is required for most of Engineering Sophomores will be tried. They class has about 200 students. The questions will be selected from pool of "professional test". Now this course is prepared for e-testing. It will be more excited for big class. Then the average points from students' evaluation will be used to justify.