

FRAME THINKING IN ADAPTIVE LEARNING

Yang Cao

Organizer institution(s) beneath each name

Short description of the Workshop Groups: organizers, aims and underlying ideas

Type a short description of the organizers, aims and underlying ideas characterising your thematic afternoon activity here.

Burdens alleviating is a nationwide administrative requirement nowadays, but too little exercises violates the law of education. Fortunately, in the era of A.I., we have made some progress in this dilemma.

Title of WSG: **Frame Thinking in Adaptive Learning**

Name of organizer: Yang Cao

Yang Cao

- Former product manager of *iFLYTEK ZHIXUE Adaptive Learning System*
- Former assistant of iFLYTEK's Vice-President
- Sole author of series of *Learn Math, This Way!*, published by University of Science and Technology of China Press(2019/2020),

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This WSG aims at how to apply frame thinking in automatic learning controlled by students themselves.

Followed the opinion described in *Learn Math, This Way!*, Yang Cao will give a brief introduction to Frame Thinking and some examples about alleviating the burdens of K12 student's maths learning and enhancing their abilities on mathematical modelling.

Then, other participants, including some experts in adaptive learning, will illustrate their practices in structurized maths problems solving, supported by abundant and vivid data collected from middle and primary schools.

Finally, all the staff will discuss how to improve the efficiency of maths learning empowered by innovation in mathematical thinking method and by IT product optimization.

Last names of the organizers

Planned structure:

Insert the planned structure of the workshop in the table below. You can insert rows if needed.

Planned timeline	Planned activity	Working format /Responsible person
20 mins	How Frame Thinking Make Maths Easy and Interesting?	PPT, sponsored by Yang Cao
40 mins	Adaptive Learning Practices Put into Execution in Chinese Middle and Primary Schools.	PPT, sponsored by other participants
30 mins	Free Discussion (Innovation in Mathematical Thinking Method or IT Product Optimization?)	Not defined, responsible person: Yang Cao

Venue requirement:

Indicate the requirement of the venue capacity and facilities here.

It can be written in English or Chinese.

麦克风+音响，白板+白板笔（红黑两色），投影机+HDMI 连接线，电源插板