

DOMESTICATING PRACTICE OF PRIMARY MATHEMATICS EDUCATION IN CHINA

The Primary Mathematics Teaching Committee of the Chinese Society of Education

Short description of the symposium: organizers, aims and the theme

The Primary Mathematics Teaching Committee of the Chinese Society of Education was established in March 1982. It is the first professional organization focusing on primary mathematics education in China, and it has grown to be the largest professional organization of its kind. The committee strives to advance knowledge about primary mathematics education, to encourage scholarly inquiry related to primary mathematics education, and to promote the use of research to improve primary mathematics education and better serve the public good.

The Primary Mathematics Teaching Committee of the Chinese Society of Education provides this symposium to showcase our practical achievement and to share our Chinese Mainland experience with colleagues across the world. The symposium invites outstanding primary mathematics educators, researchers, and teachers to examine the Chinese primary mathematics teaching from a variety of perspectives: reflecting the unique characteristics of Chinese mathematics education to showcase the teaching reform of older generation; examining research and practice on deep learning, problem posing, mathematics understanding to showcase the innovative practice of primary mathematics education in China; presenting adaptable teaching demonstrations and classroom activities with focus on the four domains in primary mathematics to showcase the Chinese classroom teaching practices; reflecting on the reform-oriented approaches to outline the future Chinese primary mathematics practice.

The symposium aims to integrate theories into practice, to share first-hand teaching cases for reflection, to present alternative solutions, interpretations, and to showcase years of exploration and experiences in the primary mathematics teachings in China.

Planned structure:

| Time | Theme | Format /Presenter |
|-------------|---|---|
| 14:00-14:20 | Inheriting the classics— Chinese elementary mathematics education for generations | Panel/Paper discussion 《The Origin and Development of “Attempting Teaching Method” in Primary Mathematics Education》 Qiu, XueHua 《Maxinlan Teaching Method Centred on “Mathematical Thinking Development”》 Ma, XinLan; Sun, JiaWei |
| 14:20-15:00 | Empowering Innovation—Chinese Primary Mathematics Education Oriented by Students’ wellbeing | Panel/Paper discussion 《Creating “Delicious and Nutritious” Math Education for Children》 Wu, ZhengXian 《The Teaching Reform of “Deep Learning” in Primary Mathematics Education》 Ma, YunPeng 《Primary Mathematic Teaching Practice Guided by Children’s Questions》 Zhang, Dan |

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| | | 《Primary Mathematic Practice to Promote Mathematical Understanding》 Li, XiaoMei |
| 15:00-15:50 | Lesson demonstration— mathematic teaching in Chinese Elementary classrooms | Working Group Roundtable: teaching demonstration + discussion 《Developing Students’ Number Sense through Recognition of 11-20》 Ni, Fang 《Developing Volume Sense through “Volume and Capacity”》 Wang, LiBing 《“Understanding Percent” through Emphasizing Data Analysis》 Liu, RengXuan; Xu, YunHong 《Mini Action Research “How big is 100 Million”》 Liu, Li |
| 15:50-16:10 | Promising Future— primary mathematics reforms in China | Panel Discussion 《Artificial Intelligent and the Primary Mathematics Education Reform in China》 Kong, QiPing 《Curriculum Standards Development and Primary Mathematics Reform in China》 Sun, XiaoTian |
| 16:10-16:30 | Questions and Discussion | Discussant: NorthEast Normal University Professor : Ma, Yunpeng |