

## 12-YEAR INTEGRATED MATHEMATICS TEXTBOOK OF BNUP: PROMOTING WELL-ROUNDED STUDENT DEVELOPMENT

Beijing Normal University Publishing Group

### Short description of the Thematic Afternoon: organizers, aims and underlying ideas

Chinese mainland started the eighth curriculum reform for basic education in 1999. In 2001 and 2003, *Mathematics Curriculum Standards for Compulsory Education (Experimental)* and *Mathematics Curriculum Standards for Senior High School (Experimental)* were launched.

Entrusted by the Ministry of Education, the core members of the mathematics curriculum standards team formed a group to develop the 12-year integrated mathematics textbooks, which were published by Beijing Normal University Press, or BNUP Maths for short.

BNUP Maths were developed based on the students' cognitive rules, and featured in developing basic knowledge and promoting future development. The textbooks were integrately designed for primary school, junior high school and senior high school. They have a unique academic style and distinct Chinese mathematics education features which highlight the essence of Mathematics, develop students' competence, cultivate students' practical and innovative ability, and pay attention to the educational function of Mathematics. Each year, more than 30 million students use BNUP Maths to carry out mathematics learning activities, which makes our textbooks one of the most influential mathematics textbooks in Chinese mainland.

In this international congress, BNUP Maths development team and some of the excellent textbook users will introduce the overall design and features of the textbooks. Some typical cases from different learning periods will be demonstrated on topics like function, reasoning ability and mathematical modeling. We will show the experience of constructing the textbooks, discuss the schema for developing textbooks, and put forward some thoughts and prospects for the construction and development of our textbooks in the future.

**Planned structure:**

Planned timeline	Planned activity	Working format /Responsible person
14:00-14:15	Being People-oriented: BNUP Maths in Progressing	Report Dong Qi and Lv Jiansheng
14:15-14:30	The Construction Background of BNUP Maths	Round-table Interview Zhang Fei, Liu Jian, Kong Qiping ,Liu Xiaomei and Hu Fengjuan
14:30-15:00	Distinctive Academic Features of BNUP Maths	Report Liu Keqin, Guan Jian, Wang Jianbo, Ma Ping, Chen Yanyun, Zhang Birong and Zhu Dejiang
15:00-15:50	Developing Students' Competence: Practice and Case Study on BNUP Maths	Report Bao Jiguang, Zhang Siming, Li hong, Zhang Dan, Zhao Yanhui, Gu Jiling and An Zhijun
15:50-16:10	Mechanism in of BNUP Maths Construction: Innovation with Vitality	Round-table interview Hu Yu, Sun Jinghong, Bao Yinxia, Zhang Huiying, Li Yanlin and Chen Lihong
16:10-16:30	Discussion	Round-table discussion Liu Jian, Ma Fu and Wang Shangzhi