

ZMATH 2016c.00181

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Elaborating coordination mechanism for teacher growth in profession.

Tso, Tai-Yih (ed.), Proceedings of the 36th conference of the International Group for the Psychology of Mathematics Education “Opportunities to learn in mathematics education”, PME 36, Taipei, Taiwan, July 18–22, 2012, Vol. 2. Taipei: National Taiwan Normal University. 299-306 (2012).

Summary: This paper presents examination of a new mechanism, namely coordination, to teacher growth in profession. Here coordination is generally defined as the ability to construct novelty for teaching by transforming and coordinating sources of information observed and experienced from different learning environment. Two types of coordination were identified based on analysis of an experienced mathematics teacher when participating in design-based professional development programs. The potential of coordination as a mechanism to outline teacher growth is also detailed.

Classification: C39 C49 D39

Keywords: professional development; coordination; teacher growth in profession