



## Visualisation in geometry education as a tool for teaching with better understanding

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*Abstract.* In primary and secondary geometry education, some problems exist with pupils' space thinking and understanding of geometric notions. Visualisation plays an important role in geometry education, and the development of pupils' visualisation skills can support their spatial imagination. The authors present their own thoughts on the potential of including visualisation in geometry education, based on the analysis of the Hungarian National Core Curriculum and Slovak National Curriculum. Tasks for visualisation are also found in international studies, for example the Programme for International Student Assessment (PISA). Augmented reality (AR) and other information and communication technology (ICT) tools bring new possibilities to develop geometric thinking and space imagination, and they also support mathematics education with better understanding.

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