

## IMA18-37 Spatial Reasoning Across the Math Strands, K - 6

**PRESENTED BY****Diane Stang****SERIES SESSIONS**

Date	Time
January 22, 2018	9:30 AM - 3:00 PM

**LOCATION****J. R. Robson School-BTPS Training Lab - 5102 - 46 Street****FEE****\$150.00****QUESTIONS?****Contact Us:****780-623-2248****REGISTER ONLINE****Visit our website to register:****Ines.ca**

### Program

Spatial reasoning abilities better predict future math success than verbal or math skills. Researcher Doug Clements claims that children will not develop an understanding of number and operations well unless they also learn spatial reasoning. This practical, hands-on workshop will focus on an overview of spatial reasoning, the critical role it plays across the math strands, and how it is embedded within the expectations in the Alberta curriculum. We will explore a wide variety of spatial reasoning activities that use visualization, concrete materials, and technology to promote both conceptual understanding and skill development. Educators will leave with a rich repertoire of activities that can be embedded into their existing math programs.

*This learning opportunity is being offered through curriculum implementation funding from Alberta Education.*

### Presenters

**Diane Stang**

**Diane** has been an educator for nearly 35 years, working in various roles in the public and private sector. She began her career as a classroom and special education teacher, and later, as a systems resource coach. Next,

she became a student achievement officer for the Ontario Ministry of Education, supporting educators in all subject areas, especially in mathematics. She has also been a provincial math facilitator for the ministry, with a special focus on supporting students with learning disabilities in math. In conjunction with her ministry work, Diane has developed professional learning math video resources. Diane is now working as a math consultant for Ontario school boards and most recently, for Scholastic Canada. She also offers a variety of engaging presentations and workshops on math, both online and at conferences.

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## Registration Notes

Registration includes a continental breakfast and lunch.