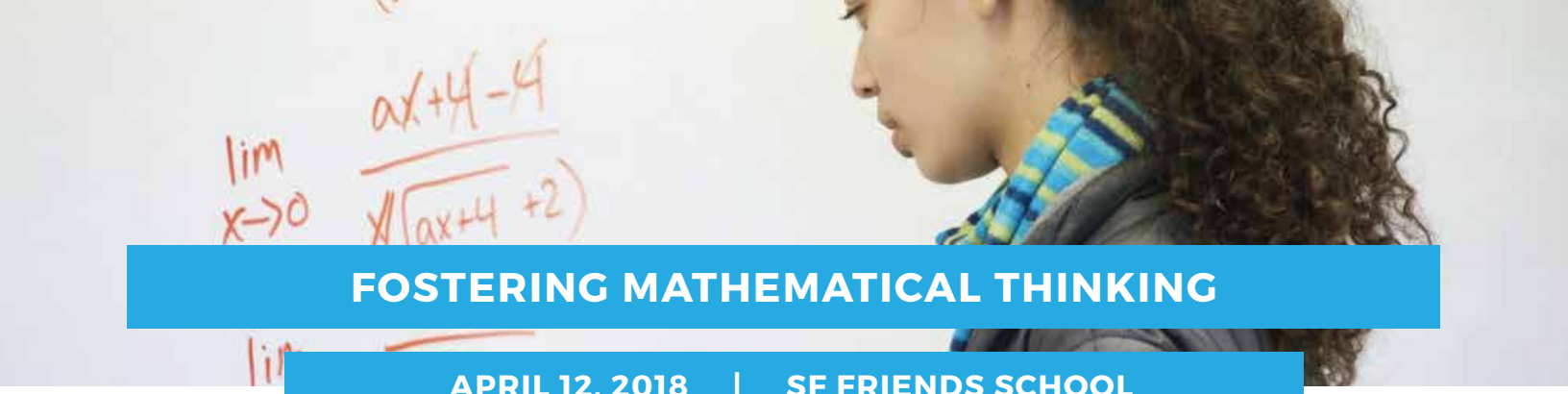

FOSTERING MATHEMATICAL THINKING

APRIL 12, 2018 | SF FRIENDS SCHOOL

All math teachers want their students thinking deeply about concepts and coming away with procedural knowledge that goes way beyond a set of rules. To accomplish such a lofty task, our goals are rooted in fostering mathematical thinking in our students.

Mathematical thinking involves making models, developing skills through concepts, using logical reasoning, making and testing conjectures, and representing ideas. For many students, especially in Middle School, having concrete experiences promotes deeper mathematical thinking and development. Deriving rules and understanding why those rules work encourages better understanding and longer term retention.

This workshop will investigate ways we can use concrete experiences such as making models, working with manipulatives, or exploring real world situations to initiate and foster mathematical thinking skills. Participants will explore mathematical thinking tasks as well as work on developing a mathematical thinking task of their own. Content will be oriented toward those teaching fifth-ninth grade, with a strong focus on the middle school setting.

Visit mathematicalthinking_catdc.eventbrite.com to REGISTER!

FACILITATOR

DAVID LOUIS, has worked as a math teacher for over 20 years in both public and private schools. He has worked at San Francisco Friends School since 2009. He loves math and enjoys engaging young people in true mathematical thinking.

QUESTIONS?

Contact us at info@catdc.org

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California Teacher Development Collaborative