



## SUPPORTING MATHEMATICAL PROBLEM SOLVING: Strategies for all learners

### WHAT IS IT ABOUT?

Do you feel like only some people are great at solving math problems while others just don't get it? In this workshop we will think about what mathematical problem solving really means and explore 3 effective strategies used by good problem solvers - modelling, thinking structures and collaboration. We hope that these will serve as a toolkit for teaching problem solving to all kinds of learners.

### WHAT WILL WE LEARN?

Participants will

- Explore Thinking Structures (Goal-Plan-Do-Check) as a strategy to promote goal-directed thinking in problem solving
- Explore Models as a strategy to promote sense-making in problem solving
- Understand how Group Work can promote deeper thinking in problem solving
- Engage in a Gateway Learning Community Initiative that explores collaboration across schools (and MOOCs) as a way of extending knowledge sharing beyond the workshop (This part is optional)

### WHO IS IT FOR?

General and special education math teachers from Grades 1 - 8.  
Leaders / administrators supporting Math programmes in schools.

### WHO WILL FACILITATE?

Radhika Zahedi, Math Program Coordinator, Gateway School of Mumbai

Radhika is the Math Program Coordinator at the Gateway School of Mumbai. She has been teaching math, and coaching teachers in designing and delivering math instruction since 2007. She has spent a large part of her career with NSS Hill Spring, a renowned international school in Mumbai and is well-versed with the IGCSE and International Baccalaureate (IB) curricula. Radhika has a Master's Degree in Mathematics Education from Columbia University. She specializes in pedagogy, teacher coaching, professional development, and curriculum design.

### WHEN, WHERE AND HOW MUCH?

Date:

Saturday, February 18, 2017

9:00 am to 1:30 pm (lunch after)  
OR 9:00 to 3 pm (for those choosing  
to participate in the learning community initiative)

Location:

The Gateway School of Mumbai

Address: Sion-Trombay Road, Next to Deonar Bus Depot, Diagonally opposite TISS, Govandi (E),  
Mumbai - 400088.

Cost:

Rs. 2,500 per participant (Lunch, Snack and Materials included).

Rs. 2,000 (Per participant for a group of 5 or more participants)

On completion, participants will receive a certificate from the Gateway School of  
MumbaiRegistration:

Email: [pd@gatewayschoolmumbai.org](mailto:pd@gatewayschoolmumbai.org)

Contact Number: 022-25563613/ 14

Registrations will be accepted on first come first serve basis. Only 50 seats available.