

It All Adds Up: How to Help Students Understand Math Deeply

K-8

Help bring the power of inquiry learning into math instruction! In this one-day professional development workshop, teachers will have an opportunity to see the world through their students' eyes by learning brand new math content. As they move from concrete, hands-on experiences to abstract understanding, teachers will gain a deeper appreciation for how powerful mathematics instruction can be when it's fueled by curiosity and deep conceptual understanding. Participants will also explore how to create a rich learning environment, how inquiry math integrates with the Common Core State Standards, and how to implement specific strategies to become the world's most incredible math teachers!

Learning Objectives

- Experience an investigation to help you remember what it's like to learn a new mathematics concept.
- Walk through the Concrete, Pictorial, Abstract progression to gain an appreciation for how powerful conceptual understanding can be.
- Learn how to build your math instruction in a way that capitalizes on student curiosity.
- Explore how inquiry math integrates with the key shifts and mathematical practices of the Common Core State Standards.
- Come away with specific strategies and resources to help you improve your math pedagogy.

This is part of our Flex PD offering, where you customize your PD plan with your choice of workshops, sessions, and coaching. For a free PD needs analysis, call 616.234.5528 or click [here](#)!

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Virtual Workshop Series (K-5)

Part 1 (2 hours): **Experience New Math Learning**

Help bring the power of inquiry learning into math instruction! Kick off a three-day journey with this eye-opening workshop, where teachers have an opportunity to see the world through their students' eyes by learning brand new math content. Discover a simple, powerful method for structuring ANY mathematical content in a way that promotes deep, durable understanding!

Part 2 (2 hours): **Explore the Concrete, Pictorial, and Abstract Progression**

Deepen your understanding of the Concrete, Pictorial, and Abstract progression by collaborating with peers to support the transformation of mathematics lessons. Discover specific techniques for enhancing any curriculum to create memorable and meaningful mathematical experiences. Learn practical tips and tricks for modifying your instruction so that students develop an abiding appreciation for math.

Part 3 (2 hours): **Transform Math Lessons**

Apply your learning to enrich your curriculum. Work through a well-scaffolded process to adjust your lesson plans, supported by peers and expert coaches. Leave with a contagious enthusiasm for inquiry-based mathematics and a well-rounded arsenal of strategies to make mathemagic happen with your students!

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