



All sessions are Saturday mornings from 8:30-10am and presented by the Kern County Mathematics Council Board members.

**Register with link below
<https://forms.gle/1LqyLFLUuGgGKh9w8>
 A zoom link will be sent to your email for the workshop.**



The Kern County Math Council Present
7 FREE WORKSHOPS

<p>December 11, 2021 TK-8 Hilda Wright & Claudia Maldonado</p>	<p>Digital Tools-We will explore free websites that offer a variety of digital manipulatives/tools to build conceptual understanding. Participants will be given an opportunity to explore and engage with a variety of tools.</p>
<p>January 8, 2022 TK-12 Jesus Esquivel & Kyle Atkin</p>	<p>Data Science-How do we find meaning in data? What tools do we have to uncover stories hidden within data? How do we communicate patterns and trends we find in data to others? Data Science can do all this and more. Come learn all about Data Science and how we can be purposeful including these ideas and concepts in our curriculum at any level.</p>
<p>January 22, 2022 TK-12 Richard Bramer</p>	<p>The Problem with PEMDAS (and how to fix it!)-We were taught (and we probably ourselves teach) PEMDAS as the Order of Operations. But PEMDAS has huge holes in it. What is the true list of operations? Why do they have that order? Why does it matter?</p>
<p>February 12, 2022 TK-12 Richard Bramer</p>	<p>How to Solve It, by George Polya, reformed math education in 1945!!-George Polya was a contemporary of Dienes (of Dienes or Cuisenaire blocks) and had the same desire to rejuvenate math education in the early grades especially. He wrote the book "How to Solve It" to provide students with the will (we would now call it 'grit') and the strategies necessary to succeed in solving - potentially ANY problem.</p>
<p>March 5, 2022 TK-12 Luis Jauregui & Claudia Maldonado</p>	<p>Math Talks-Math Talks is a routine that promotes math thinking and academic discourse in a student-centered environment. This 10-to-15-minute routine helps build student identities and strategies as they explain, justify, and learn from each other's thinking.</p>
<p>April 23, 2022 TK-12 Kyle Atkin & Hilda Wright</p>	<p>Building Thinking Classrooms-Come engage in discussions and activities to Build a Thinking Classroom where students are thinking more and for longer periods of time. We will examine the Who, What, When, Where, Why, and How of a Thinking Classroom as we look at practices for enhancing learning.</p>
<p>May 14, 2022 TK-12 Richard Bramer</p>	<p>Counting is Easy, right?-After Kindergarten, everyone knows how to count. It becomes so second nature we begin to think of it as simplicity itself. Let's talk about counting - we'll take a deep dive and look at examples when counting was incredibly complex throughout history and across the planet.</p>

