



Imperial County Office of Education
 Calexico Unified School District
 2019–2020 Calexico Mission School
Mathematics Professional Development Plan
 Grades K–12th
 (Total Days of Professional Development: 4 half days)

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 Mathematics Coordinator

| Dates: | Focus Strategy: | Description: | Participants/ Grade Levels: |
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| Purpose: The strategies listed below are designed to scaffold language and mathematics content for grades K–12th. They were selected to support the specific needs of the English Language Learners and development of number sense in all students. Each strategy offers ELL's opportunities to produce and practice language around mathematics content. | | | |
| Day 1: 08/15/2019 12:30 pm to 3:30pm (3 hours) | Mathematical Mindset | Teachers will: <ul style="list-style-type: none"> • Explore brain research on developing resilience in mathematics. • Identify key strategies and tools to build mathematical mindsets in all students. • Plan to embed new strategies within their practice. | All (K–12) |
| Day 2: 10/08/2019 | Number Talks | Teachers will: <ul style="list-style-type: none"> • Participate in engaging and interactive number talk routines, to build | All (K–12) |

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| 12:30 pm to 3:30pm (3 hours) | | <p>number sense.</p> <ul style="list-style-type: none"> Identify the use of Talk Moves to support student discourse around mathematics. | |
| <p>Day 3:</p> <p>11/06/2019</p> <p>12:30 pm to 3:30pm (3 hours)</p> | Lesh Model | <p>Teachers will:</p> <ul style="list-style-type: none"> Examine pedagogical strategies that build conceptual understanding in students. Analyze the use of multiple representations and its impact on student learning. | All (K-12) |
| <p>Day 4:</p> <p>01/10/2020</p> <p>12:30 pm to 3:30pm (3 hours)</p> | Routines For Reasoning | <p>Teachers will:</p> <ul style="list-style-type: none"> Explore/participate with pedagogical strategies that build the rigor of mathematical thinking. Use activities that promote real world application of concepts and skills. | All (K-12) |