

Solving California's Mathematics Problem: Equity, Capacity, and System Improvement

Jennifer O'Day, Institute Fellow | Joel Knudson, Senior Researcher
American Institutes for Research
March 13, 2019

Exploring the Problem in Context



Multiple sources of data



Interpreting data through local knowledge



Multiple angles into data

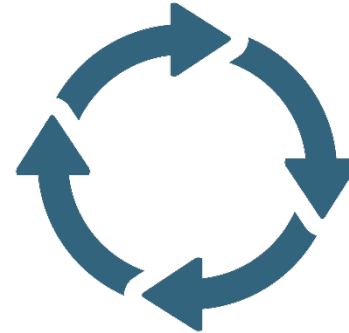


Data-informed, context-based strategies

Building Capacity



Teachers'
mathematics
content
knowledge



Continuous
improvement
knowledge &
processes



Leadership
development

Attending to Structural Barriers to Equity



Course sequencing
and de-tracking

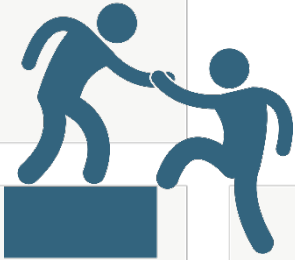


Paired with PD and
curriculum development

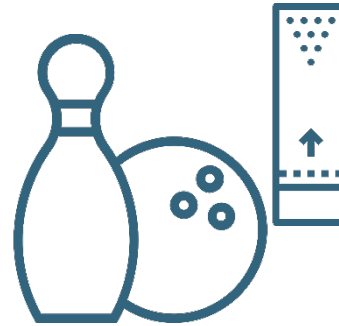
Results

- Fewer Algebra 1 repeats
- More advanced coursework
- Higher college enrollment

Ensuring Systemic Supports



PD &
leadership
development



Discretion
plus
consistency



Vision and
culture



Communication
with parents &
community



Potential state
support

For More Information

Joel Knudson
Senior Researcher
jknudson@air.org
650-376-6379

Jennifer O'Day
Institute Fellow
joday@air.org
650-376-3766

<https://cacollaborative.org/meetings/meeting37>
