Mathematics Pathways

Presentation to the State Board of Education
July 10, 2014

Long Beach Unified School District
Traditional Sequence
With Compacted Option

Rationale and considerations:

• Teacher leader feedback (Science, Math)
  • STEM pathway preparation/support
  • Familiar organization amidst dramatic change in content and pedagogy
  • Teachers not having ‘deep knowledge’ in all areas
  • Discrete approach facilitates laser focus and deeper exploration and connection to other contexts
Instructional Resources

- District-developed CCSS Scope and Sequence documents
- District-developed CCSS Unit Guides with SBAC-aligned assessments
- Current core adoption (2008) – CA HSP, Holt
- CCSS-aligned supplemental resources:
  - Early Mathematics: A Resource for Teaching Young Children, The Charles A. Dana Center at the University of Texas at Austin, 2012
  - California Common Core Math, Houghton Mifflin Harcourt, 2013
  - Explorations in CORE Math for Common Core, 2013
Professional Development

• 2012-13: K-12 Trainer of Trainers delivery: instructional shifts, CCSS-aligned ‘drop-in’ units, formative assessment modules

• 2013-14: K-12 Face to Face delivery: new CCSS-aligned curriculum units, standards/practices study, instructional strategies (9 hours required)

• 2014-15: K-12 Face to Face delivery: new curriculum units, standards/practices study, balanced assessment (18 hours required)

• 2015-16: K-12 Face to Face delivery: new instructional resources (core text adoption), standards/practices study, balanced assessment (18 hours required)

• 2016-17: K-12 Face to Face topic-based (teacher choice)

• **Communities of Practice at K-12 school sites**
Acceleration Options

- Accelerated (compacted) Math 6
- Accelerated (compacted) Math 7
- Algebra I in grade 8
- Accelerated and Honors courses – high school

late entry via summer (2015) bridge support
Implementation Challenges

• Deepening teacher content knowledge
• Continuing need to focus course content
• Availability of aligned core textbooks (2014-15 adoption cycle)
• Parent reluctance to embrace CCSS Math 8 course