



*“Charting the Course Together”*

**Implementing the  
Common Core State Standards  
Mathematics**

**Math**

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*“Charting the Course Together”*

Professional learning “enables teachers to work regularly together to improve their practice and implement strategies to meet the needs of their students.”

(Wei et al., 2010, p. ii).

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**Outcomes**

■ Increase math content knowledge

■ Use the Backward Design on Stage 2

Develop and incorporate U support the diverse needs of learners

of Density of Study – Emphasis

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## Examining and Diagnosing Student Work



How does the student work provide evidence needed to determine the extent to which students have achieved the identified knowledge, skills and understandings?

"The word "fluent" is used in the standards to mean "reasonably fast and accurate" and the ability to use certain facts and procedures with enough facility that using them does not slow down or derail the problem solver as he or she works on more complex problems."

"Procedural fluency requires skill in carrying out procedures flexibly, accurately, efficiently, and appropriately."

"Developing fluency in each grade can involve a mixture of just knowing some answers, knowing some answers from patterns, and knowing some answers from the use of strategies."

"A central theme in multi knowgSfluency

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### Backward Design Process

- Identify Desired Results as Determined by the Standards (Content & SMP)
- Determine Acceptable Evidence [Assessment] Reflective of the Standards
- Plan Learning Experiences and Instruction Aligned to the Standards

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### Identify Desired Results as Determined by the Standards (Content & SMP)

What the standards say students should know and are able to do

What do the content and practice standards mean as described by the CA Framework and Kansas Flipbook?

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### Determine Acceptable Evidence Reflective of the Standards

- What will be valid evidence needed to determine the extent to which students are progressing toward the standards? What will they do, say, make, or write to demonstrate understanding?
- What specific tasks/items/opportunities will reveal that evidence?

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