

Content Development to Teach
Investigations (CoDe-I)

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Disclaimer

- This project is supported by the U.S. Department of Education Mathematics Science Partnership (MSP) initiative
- The instructional practices and assessments discussed or shown in these presentations are not intended as an endorsement by the U.S. Department of Education.

School Districts Needs

- Support for implementing standards-based mathematics curriculum (*Investigations*) in elementary school grades
 - Content knowledge related to the curriculum
 - Facilitating discussions of mathematics concepts
 - Assessment: formative and summative
 - Teaching through discovery-based tasks

Partnering School Districts

- Charlotte-Mecklenburg Schools
 - 102 elementary schools (K-5)
 - Prior use of *Investigations* in some schools
- Kannapolis City Schools
 - 5 elementary schools (K-4)
 - 1 intermediate school (5th grade)
 - Limited prior use of *Investigations*

Professional Development

- Summer Institute
 - 10 days (60 hours)
 - Co-facilitate by mathematics faculty and mathematics education faculty
- Follow-up
 - 4 days (24 hours) every 9 weeks
 - Facilitated by school-based mathematics coaches and professor from Educational Leadership

Summer Institute

- Tasks from *Investigations*
 - Unpacking the mathematics
- Examining Student Learning
 - Overview of Cognitively Guided Instruction
 - Analysis of concepts across grades
 - Four operations
 - Algebraic reasoning

Follow-Up

- Teacher leadership
- Focal points based on need
 - Facilitating discussions
 - Assessment
 - Managing and organizing classrooms

Project Evaluation

- External evaluators from UNC Charlotte Center for Educational Evaluation
- Test of content knowledge
- Survey of teachers' practices
- Survey of teachers' beliefs
- Observations
 - 3 observations from randomly selected teachers

Preliminary findings

- Observations
 - Curriculum is being taught with fidelity
- Teachers' Concerns
 - Pacing
 - Different from previous years
 - Impact on state tests in Grades 3-5
 - They want assurance that it will work
 - Managing classrooms
 - Not used to using centers/workshops
 - Desire to see "models" and in class support

Contact Information

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