Research exercise: The implications for instruction under The Common Core State Standards in Mathematics and the effect on students with Dyscalculia

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### Syntheses of Research on Dyscalculia and The Common Core State Standards

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#### Dyscalculia
- Mathematical learning disability affecting 3-6% of the school aged population  
- Visual-spatial and/or language processing disability  
- Difficulty conceptualizing numbers, performing operations, memorization, understanding terminology, etc.  
- No neurological explanation, although neurological deficits have corresponded with these symptoms  
- Co-morbid with other learning disabilities

#### The Common Core State Standards
- State-led initiative that started implementation in 2012  
- Give student knowledge to succeed in college, career and life no matter where they live  
- Make students more internationally competitive  
- Conceptual understanding of mathematics and use of real-world application

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#### Intervention Strategies for Dyscalculia
- Mathematical Language  
- Linking Concepts  
- Multisensory Strategies  
- Conceptual Understanding

#### Purpose of this study
Understand how the new Common Core State Standards are supporting students with dyscalculia

#### Continuation of research
3 students their teachers and their parents will be interviewed

Sample Questions:
- Do you understand why you are doing what you are doing when solving math problems? (Student)  
- What ways do the new standards impact your instructional strategies? What have you had to change? (Teacher)