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Florida Department of Education

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Math & Science

Solutions for Florida's Future

Specifications: Florida's Vision

Florida intends to adopt instructional materials that reflect the philosophy of teaching mathematics concepts to more depth rather than with more breadth at each grade level, K-8. This means focusing on the Big Ideas and Supporting Ideas of that grade level, incorporating the use of content from prior grades, and not requiring or including content that has been postponed until future grade levels.



Specifications: Florida's Vision

This approach requires problem-solving, as defined by the National Council of Teachers of Mathematics, multiple representations of concepts, and involving the principles and standards for teaching and learning addressed in *the Principles and Standards for School Mathematics*.



Specifications: Florida's Vision

Teaching these new standards may require teachers to allow more time for students to learn each concept or benchmark, and instructional materials will need to reflect the new emphasis on teaching a smaller number of mathematical concepts with a greater depth of understanding. Instructional materials should help teachers of mathematics move from concrete examples to the abstract thinking and provide multiple representations of the same concept so that students have multiple ways of constructing their own mathematical knowledge.



Specifications: Florida's Vision

Florida requests publishers to submit challenging, motivating instructional materials based on the following characteristics:

- Research-based
- Aligned with Mathematics Content Standards
- Aligned with Process Standards
- Balanced



Specifications: Florida's Vision

- **Depth**
- **Instructional Focus**
- **Teacher Support**
- **Assessment Component**
- **Professional Development**



Florida's Office of Math & Science

http://www.fldoestem.org/FLDOE_STEM/Mathematics_Crosswalk.aspx

http://www.fldoestem.org/Uploads/1/docs/Math_OMS_Crosswalk_071408.xls

