

STRATEGIC INSTRUCTION MODEL[®] (SIM)

2008-2011 Implementation Report



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Strategic Instruction Model® (SIM) Overview

The Bureau of Exceptional Education and Student Services (BEESS) in collaboration with the FDLRS Network coordinates Florida's SIM Professional Developers to implement the SIM Initiative in the Sunshine State.

The University of Kansas Center for Research on Learning (KUCRL) developed the Strategic Instruction Model (SIM). For over thirty years they have conducted research designed to develop ways to help students meet the demands of life, not just in school but after they leave school as well. Their overriding goal has been to develop an integrated model to address many of the needs of diverse learners.

Out of this effort, the **Strategic Instruction Model®**, or SIM, has evolved. In essence, SIM is about promoting effective teaching and learning of critical content in schools. This model strives to help teachers make decisions about what is of greatest importance, what we can teach students to help them to learn and how to teach them well.

There are two components in SIM: Content Enhancement Routines and Learning Strategies. **Content Enhancement Routines** are used by teachers to teach curriculum content to academically diverse classes in ways that all students can understand and remember key information. Content Enhancement is an instructional method that relies on using powerful teaching devices to organize and present curriculum content in an understandable and easy-to-learn manner. Teachers identify content that they deem to be most critical and teach it using a powerfully designed teaching routine that actively engages students with the content. **Learning Strategies** are used by students to help them understand information and solve problems. A learning strategy is a person's approach to learning and using information. Students who do not know or use good learning strategies often learn passively and ultimately fail in school. Learning strategy instruction focuses on making the students more active learners by teaching them how to learn and how to use what they have learned to solve problems successfully.

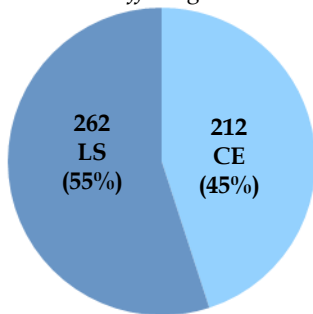
Florida SIM® Professional Development

July 1, 2008 - June 30, 2011

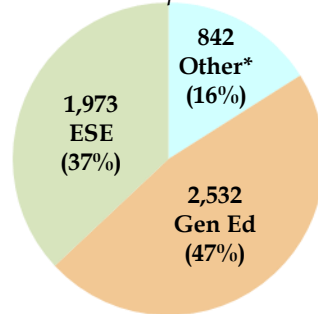
The state of Florida has **143** Certified SIM Professional Developers who provided **475** professional development offerings to **5,347** Florida educators. Additionally, there are **11** Apprentices currently working toward their SIM Professional Development Certification.

The **5,347** educators reported that approximately **253,569** students in grades 4-12 were potentially impacted by classroom implementation of SIM Content Enhancement Routines or Learning Strategies.

SIM Professional Development Offerings



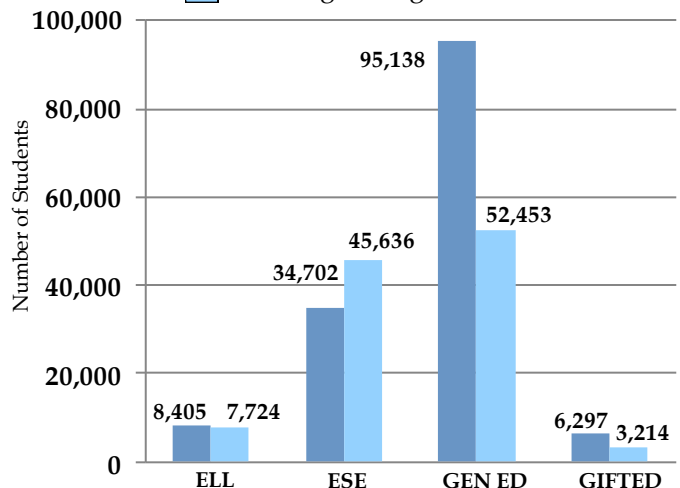
SIM Professional Development Participants



***Other Includes:**

Discretionary Project Staff, Administrator, District Staff, and Support Personnel.

Content Enhancement Routines
Learning Strategies



Regional Professional Development Offerings

In an effort to recruit and train new SIM Professional Developers, the FDLRS Administration/HRD Project provided 7 SIM Regional Professional Development events in the fall of 2010 and spring of 2011. Approximately **100** educators participated in one or more of these sessions with the majority expected to submit their applications to attend the Florida SIM Potential Professional Developer's Institute (PPDI) during the summer of 2012. Additional SIM Regional Professional Development events are scheduled for the 2011-2012 year and information is available on the FDLRS Administration/HRD Project website.

<http://fdlrshrd.nefec.org/SIM.aspx>

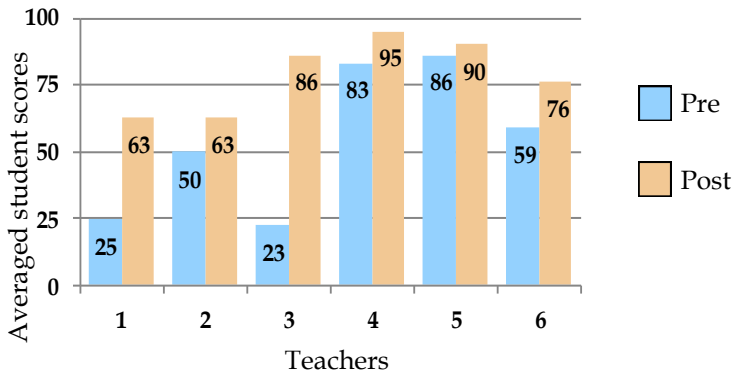
Strategic Instruction Model® (SIM) Data

The implementation impact of SIM Content Enhancement Routines and Learning Strategies has been seen throughout U.S. and Florida Schools. When taught with fidelity by a well trained teacher, students can make substantial gains both in classroom test scores and on standardized tests such as FCAT. Here are a few results that have been seen across Florida over the last several years.

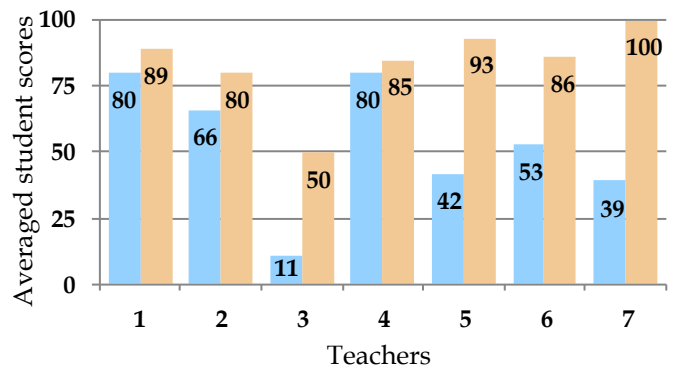
Clay County

During the past 3 years, 65% of students who were in Learning Strategies classes at Fleming Island High School passed the FCAT or ACT. In one study of 6 teachers and 70 students using SIM Unit Organizer, all teachers saw an improvement in student grades on unit assessments with an average grade improvement of at least one letter grade. In another study of 7 teachers and 120 students using SIM Concept Mastery Routine, teachers saw a 30% average increase on assessments measuring understanding of critical concepts within the units with an average grade improvement of at least two letter grades.

Average student scores on Unit Tests before and after using the Unit Organizer Routine with 6 teachers and 70 students.



Average student scores on Unit Tests before and after using the Concept Mastery Routine with 7 teachers and 120 students.



Student & Teacher Feedback

Students:

"The **Unit Organizer Routine** breaks down information and makes it easier for me to understand."

"The **Unit Organizer Routine** helps keep track of the work we're doing and also helps me know how the lesson ties in with everything."

"The **Concept Mastery Routine** makes studying easier."

"The **Concept Mastery Routine** is easy, you learn from it and it's fun to do in this class."

Teachers:

"I feel the **Unit Organizer Routine** is like a road map that not only helps to keep the teacher on track, but also gives the students a sense of owning their own education and helps them to see why and what they are learning."

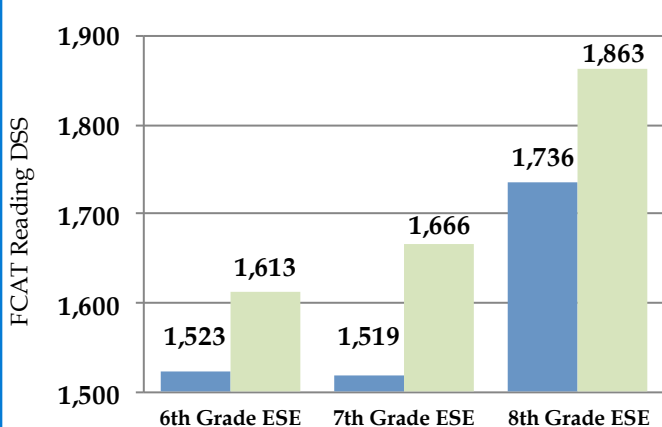
"When using the **Concept Mastery Routine**, the students are actively involved and must THINK hard to come up with words, classifications, and definitions. It helps me fine tune the components of what I need to teach and makes me more precise in my planning."

Palm Beach County

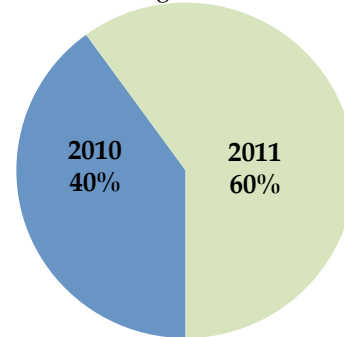
Palm Beach County middle school teachers, Mr. Hansen, ESE Learning Strategies teacher at Polo Park Middle School and Ms. Tilley, Language Arts teacher at Watson B. Duncan Middle School, have successfully implemented SIM Learning Strategies with their students.

Averaged FCAT Reading Results

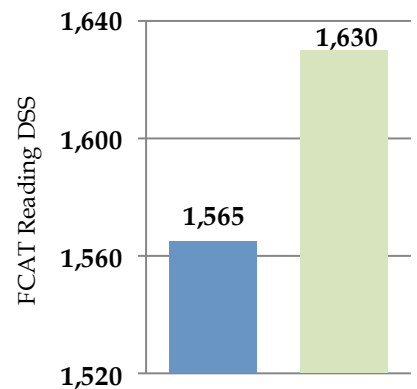
Mr. Hansen's 6th, 7th, and 8th grade ESE Students



FCAT Reading Percent Proficient



Ms. Tilley's 6th Grade Students



Strategic Instruction Model® (SIM)

SIM® Content Enhancement Routines

Routines for Increasing Performance

- ◆ Quality Assignment Routine
- ◆ Question Exploration Routine
- ◆ Recall Enhancement Routine
- ◆ Vocabulary LINCing Routine

Routines for Teaching Concepts

- ◆ Concept Anchoring Routine
- ◆ Concept Comparison Routine
- ◆ Concept Mastery Routine

Routines for Exploring Text, Topics & Details

- ◆ Clarifying Routine
- ◆ ORDER Routine
- ◆ Framing Routine
- ◆ Survey Routine

Routines for Planning and Learning

- ◆ Course Organizer Routine
- ◆ Lesson Organizer Routine
- ◆ Unit Organizer Routine

SIM® Strateroutines

Reading Programs

- ◆ STRUCTURE Your Reading

“STRUCTURE Your Reading” is a strategic reading approach. It is called a “Strateroutine” because it begins as a teaching routine and develops into a strategy. Students learn what they need to do before, during, and after reading to improve their reading comprehension. It is designed for a variety of implementation scenarios, including collaboration among reading and content teachers and among general and special educators.

SIM® Learning Strategies

Strategies Related to Reading

- ◆ Fundamentals of Paraphrasing and Summarizing
- ◆ Inference Strategy
- ◆ Paraphrasing Strategy
- ◆ Self-Questioning Strategy
- ◆ Visual Imagery Strategy
- ◆ Word Identification Strategy

Strategies Related to Storing & Remembering

- ◆ FIRST-Letter Mnemonic Strategy
- ◆ LINC S Vocabulary Strategy
- ◆ Listening and Note Taking Strategy
- ◆ Paired Associates Strategy
- ◆ Word Mapping Strategy

Strategies Related to Social Interaction

- ◆ SLANT - A Starter Strategy for Class Participation

Strategies Related to Demonstrating Competence

- ◆ Assignment Completion Strategy
- ◆ Essay Test-Taking Strategy
- ◆ Strategic Tutoring
- ◆ Test-Taking Strategy

Community Building Strategies

- ◆ Focusing Together
- ◆ Following Instructions Together
- ◆ Organizing Together
- ◆ Taking Notes Together
- ◆ Talking Together

Strategies Related to Expressing Information

- ◆ Error Monitoring Strategy
- ◆ Edit Strategy
- ◆ Paragraph Writing Strategy
- ◆ Sentence Writing Strategy (Fundamentals)
- ◆ Sentence Writing Strategy (Proficiency)
- ◆ Theme Writing Strategy

Strategies Related to Math

- ◆ Strategic Math Series
 - ◇ Adding with Regrouping
 - ◇ Addition Facts 0 to 9
 - ◇ Addition Facts 10 to 18
 - ◇ Division Facts 0 to 81
 - ◇ Multiplication Facts 0 to 81
 - ◇ Place Value
 - ◇ Subtracting with Regrouping
 - ◇ Subtraction Facts 0 to 9
 - ◇ Subtraction Facts 10 to 18

Strategies Related to Motivation

- ◆ Possible Selves
- ◆ Self-Advocacy Strategy

Cooperative Thinking Strategies

- ◆ BUILD Strategy
- ◆ LEARN Strategy
- ◆ SCORE Skills: Social Skills for Cooperative Groups
- ◆ Teamwork Strategy
- ◆ THINK Strategy

Florida SIM® Professional Development

Each year the FDLRS Network holds several SIM Professional Development events for educators seeking to become certified SIM Professional Developers. Individuals may locate scheduled events and registration by contacting their local FDLRS Associate Center or by visiting the FDLRS Administration/HRD Project website.



Florida SIM® Initiative FDLRS Administration/HRD Project

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<http://fdlrshrd.nefec.org/SIM.aspx>

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