



Common Core Teaching Strategies for EL Students: Models for High School Mathematics and Science

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Professional Goals

- Vision for a Common Core Resource Center
- Strengthen Leadership Skills
- Understand the SCCOE
- Develop Interpersonal Skills



Project Goals

- Create resources/ and new models for teachers and English Learners (EL) to better understand core content areas
- Implement resources/ and new models to test and revise their effectiveness with all EL students
- Analyze Outcomes



Accomplishments

- Attended
 - CFL seminars
 - *A Look at Learning* 5-day Institute
 - Specialized EL Strategy Workshops
 - Algebra Forum Conference
- Conducted research:
 - Common core standards
 - EL instruction
 - Assessment, including data analysis

Steps

- Evaluated CCSS information and existing models
- Created *A.L.L.* lesson plans incorporating research based best practices:
 - Planning guide/lesson plan objectives
 - Rubric for assessments/Sentence Frames
 - Specially Designed Academic Instruction in English (SDAIE) strategies

Steps

- Modeled lessons for teacher and students
- Analyzed data from implementation
- Revised lesson strategies



Student EL Reflection Card

Student Reflection

1. I feel strongly that I can relate well to coordinate graphs.
2. I feel strongly that I can explain coordinate graphs to others.
3. I believe I can apply coordinate graphs to real world examples.

Student Reflection

1. I feel strongly that I can relate well to coordinate graphs.
2. I feel strongly that I can explain coordinate graphs to others.
3. I believe I can apply coordinate graphs to real world examples.

Student Reflection

1. I feel somewhat strong that I can relate well to coordinate graphs.
2. I feel somewhat strong that I can explain coordinate graphs to others.
3. I believe I can somewhat apply coordinate graphs to real world examples.

Student Reflection




1. I do not feel strongly that I can relate well to coordinate graphs.
2. I do not feel strongly that I can explain coordinate graphs to others.
3. I do not believe that I can apply coordinate graphs to real world examples.

Student Reflection

Date: _____
Period: _____

Student's Name: _____

Today's content language objective: _____

-  1. I believe that I learned today's lesson.
-  2. I need some help on today's lesson
-  3. I really need help in learning today's lesson

Complete back page

Student Feedback

Formative Assessment

Your Thoughts

I learned . . .	I need help with . . .

I know this concept / term very well
and can explain it to others.

I have heard about this concept / term; but
I am not ready to provide an explanation.

I need to learn more about this
concept / term.



Sentence Frames



CELDT Level: Beginning – Use subject/content specific academic words

Coordinate Planes and Ordered Pairs (Part B)

To plot the point _____ on the coordinate plane, first move _____ unit(s) to the _____ of zero on the x-axis, then move _____ unit(s) _____ on the y-axis, from zero, or the origin. The point will be where x is _____ and y is _____ intersect each other. Next, mark the point. Then, write the _____ next to each point on the graph.

CELDT Level: Early Intermediate – Use subject/content specific academic words

Coordinate Planes and Ordered Pairs (Part E)

To _____ the point _____ on the _____ plane, first move _____ unit(s) to the _____ of zero on the _____-axis, then move _____ unit(s) _____ on the _____-axis from zero, or the origin. The point will be at the intersection of where x is _____ and y is _____. Next, mark the point. Then, write the _____ next to each point on the graph.

Success

- Created Differentiated Sentence Frames for EL Students
- Created Core Content Lessons for Math and Science
- New Leader for Math and Science
- Have Inspired Other Teachers to Reflect on Student Learning and Current Teaching Strategies

Key Learnings

- New Focus on Core Lesson Approach
- Outcomes of Lesson Planning Met Content and Language Objectives
- Strong EL Strategies That Can Help to Support Teachers
- A Beginning Place to Continue to Develop Lessons For Common Core

Next Steps

- Continue to Develop Core Content Lessons to Support EL Students and Teachers in Math and Science
- Develop Teacher and Student Access To Lessons and EL Strategies in the Classroom Through Technology Resources
- Continue to Model EL Content Lessons to Teachers and Students in the Classroom
- Continue to Evaluate Latest Research for Common Core and Formative Assessment Practices

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