



Preparing for Success in Algebra

English Language Learners in Mathematics

A Collaboration between:

- Los Angeles Unified School District
- University of California, San Diego
- San Diego State University
- University of California, Irvine
- San Diego Mathematics Project

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UNIVERSITY of CALIFORNIA
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Welcome

California Mathematics and Science Partnership (CaMSP)

Academic Year Follow Up Session # 2
 October 23rd, 2010
 Objective: Interior Angles of Triangles

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CA Standards

- **6 MG 2.2 Use the properties of complementary and supplementary angles and the sum of the angles of a triangle to solve problems involving an unknown angle.**

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CST Released Items

78 In the figure below, $\triangle ABC$ is a right triangle and $m\angle A = 40^\circ$.

What is $m\angle ECD$?

A 40°
 B 50°
 C 130°
 D 140°

80 In this triangle, what is the measure of $\angle C$?

A 32°
 B 42°
 C 58°
 D 122°

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Vocabulary

Triangle	Degree Measure
Vertex	Sum
Side	Supplementary
Angle	Complementary
Interior Angle	

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Connect to Prior Knowledge

- Possible misconceptions
- Possible sentence frames
- Classroom management
- Index Card amounts

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Online Resources

- Interior angles of a triangle
- Checking for understanding
- Connecting diagram to vocabulary
- Transition from pictures to sentences
 - <http://mathopenref.com/triangleinternalangles.html>
 - <http://www.aastudy.com/geo612x5.htm>

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Interior Angles of a Triangle

- Gradual Release of Responsibility
- Possible misconceptions
- Classroom management
- Other strategies that can be implemented
- What do the students need to know before this lesson is implemented?

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Lesson Modification

- How did the strategies used (appt book, Gradual Release of Responsibility, Think-pair-share) provide access to the mathematical concept?
- How can this lesson be modified, or improved, to fit your teaching style?
- How can you differentiate this lesson for students of different levels?

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Evaluation

Please give feedback in the box labeled,

“Comments about Pedagogy Session”

in your Follow Up #2 Evaluation form.

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Thank You!!

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