

Writing and Reading in Math for LEP Students and All Students

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U.S. Department of Education • Teacher to Teacher Initiative • Supporting Success



Outcomes for Session

- Participants will implement reading and writing strategies for LEP students.
- Participants will practice two methods for making LEP students write and read English.
- Participants will be able to take three new lesson plans home with them.



Supporting Materials

Grading Rubric for Math Writings

- O'Malley, J. M., Pierce, L.V., 1996. Authentic assessment for English language learners. Addison-Wesley Publishing Co.



Relevant Research

Classroom Writings

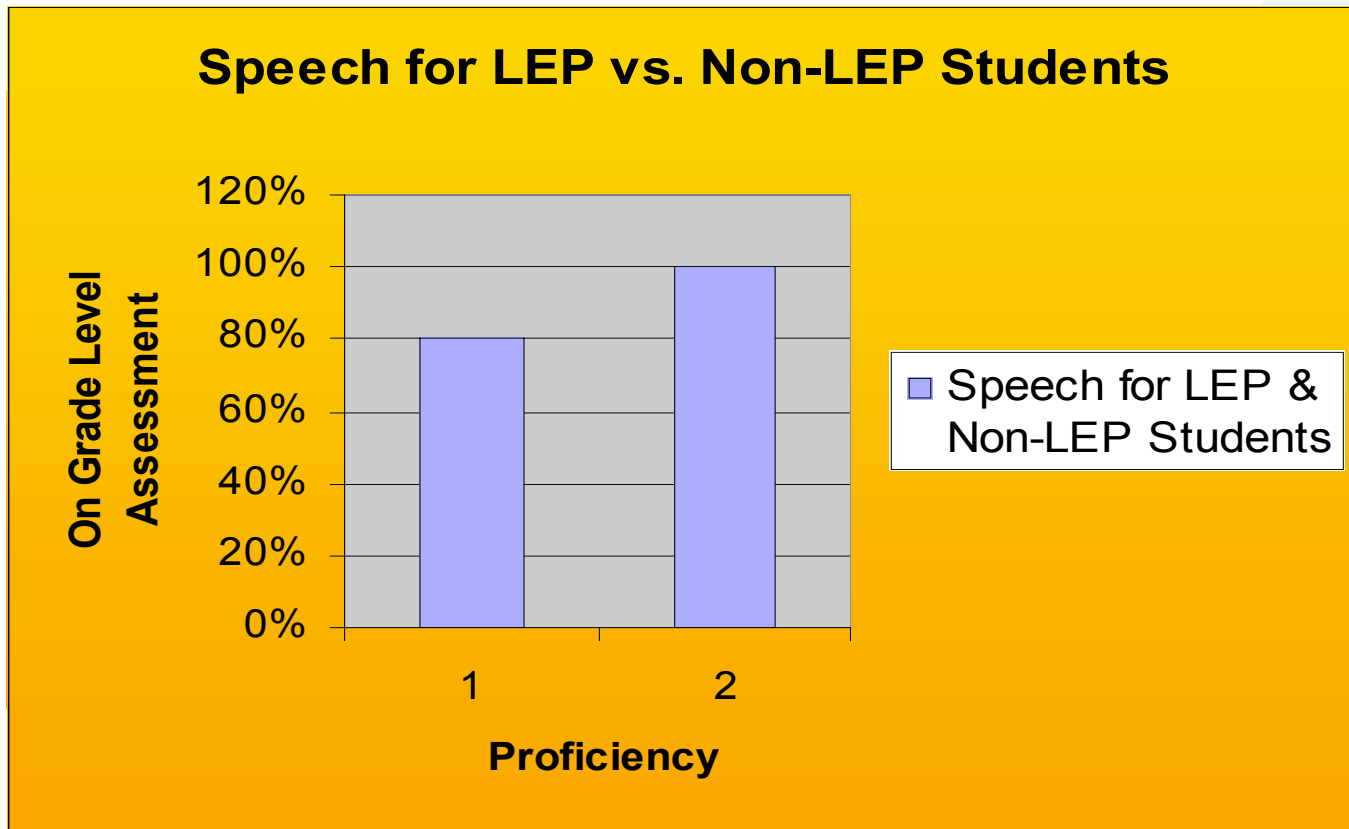
- Montijo, E. 2006. Independent research data. Lebanon High School, Lebanon PA.

Speech, Writing and Reading for LEP Students

- Cummins, J. Language, power and pedagogy, 1981. Cambrian Printers Ltd.



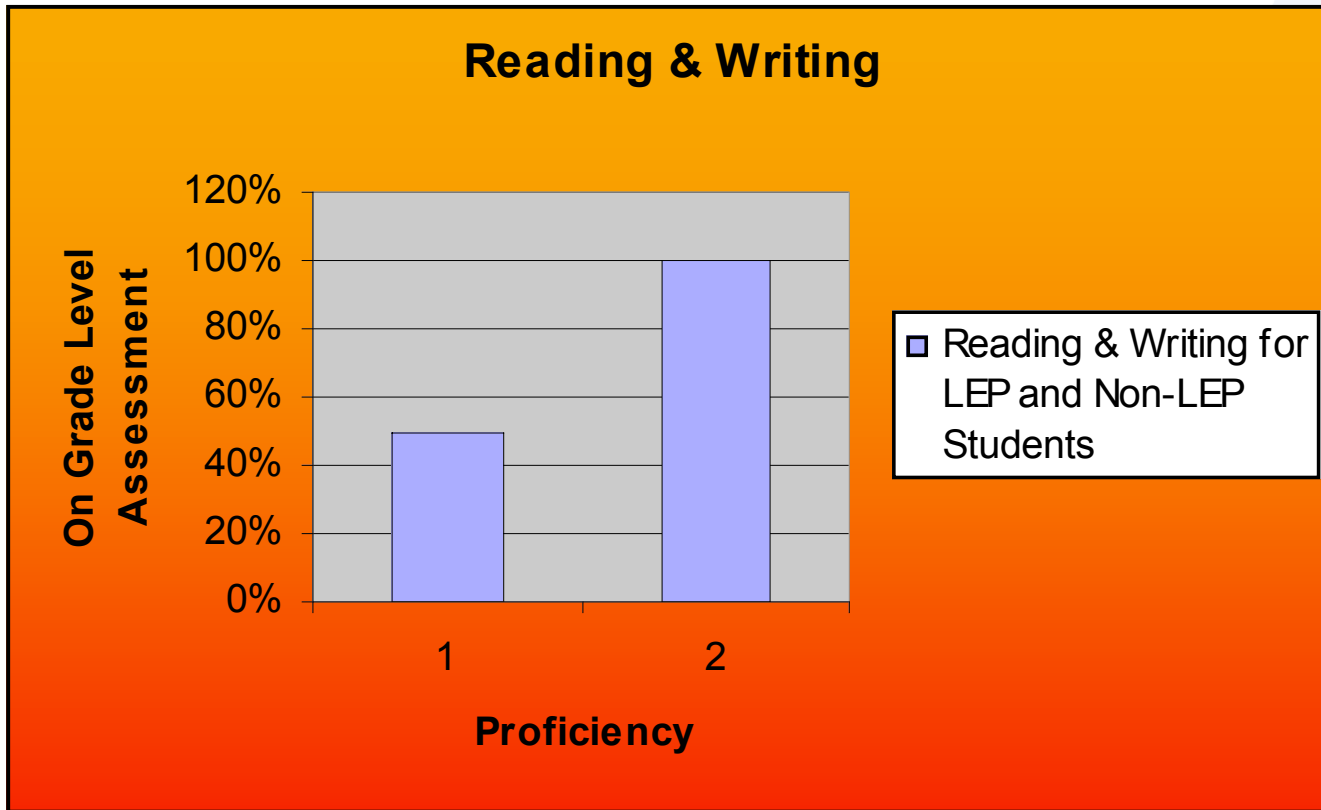
Relevant Research



Cummins, J. Language, Power and Pedagogy, 1981



Relevant Research



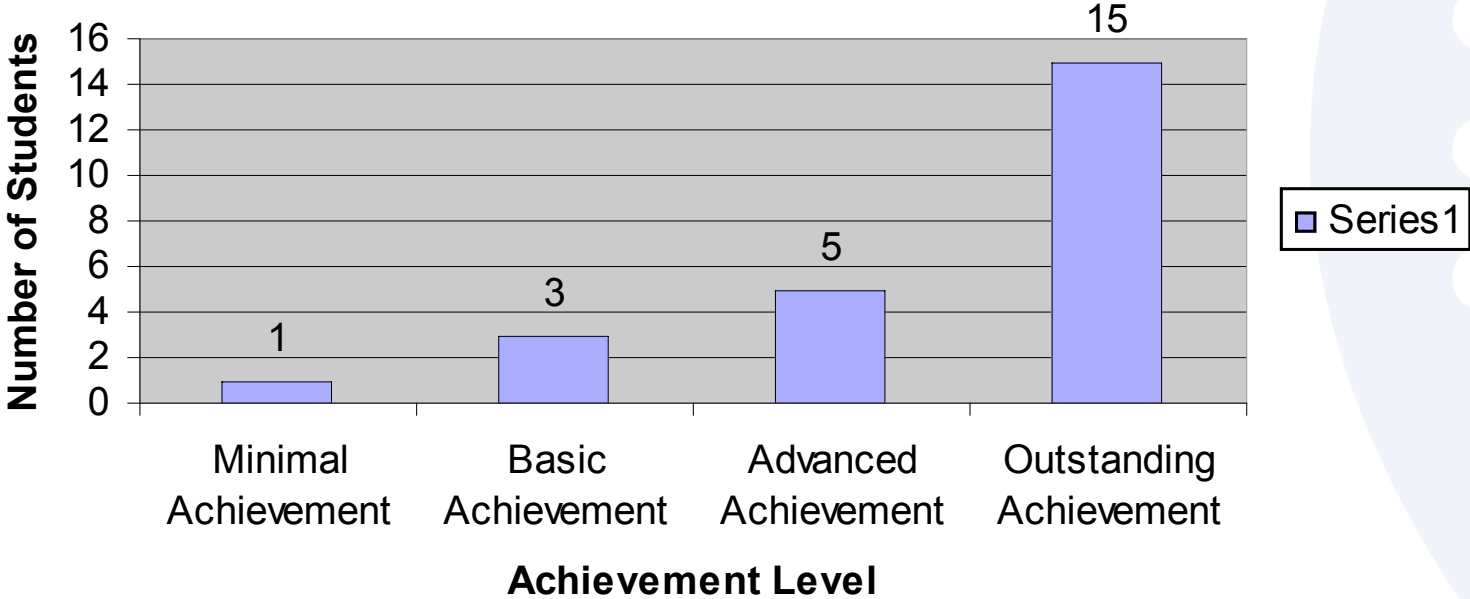
Cummins, J. Language, Power and Pedagogy, 1981



Evidence of Success

Student Writing With LEP Support

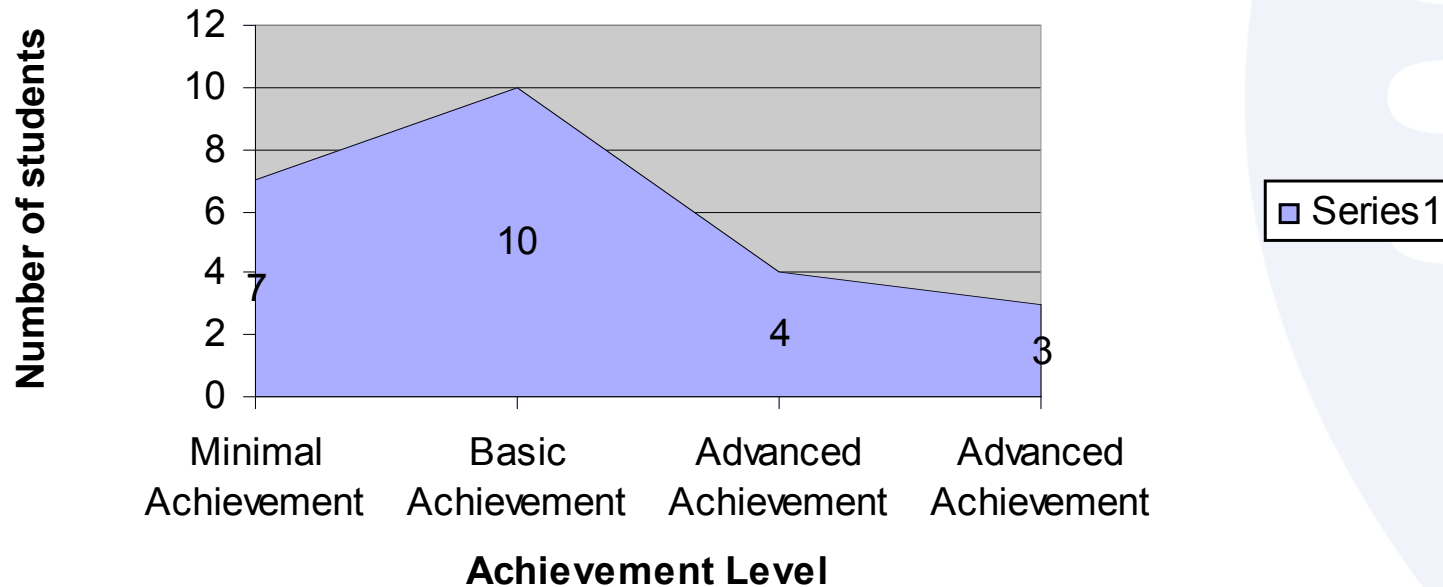
Student Writing with Support



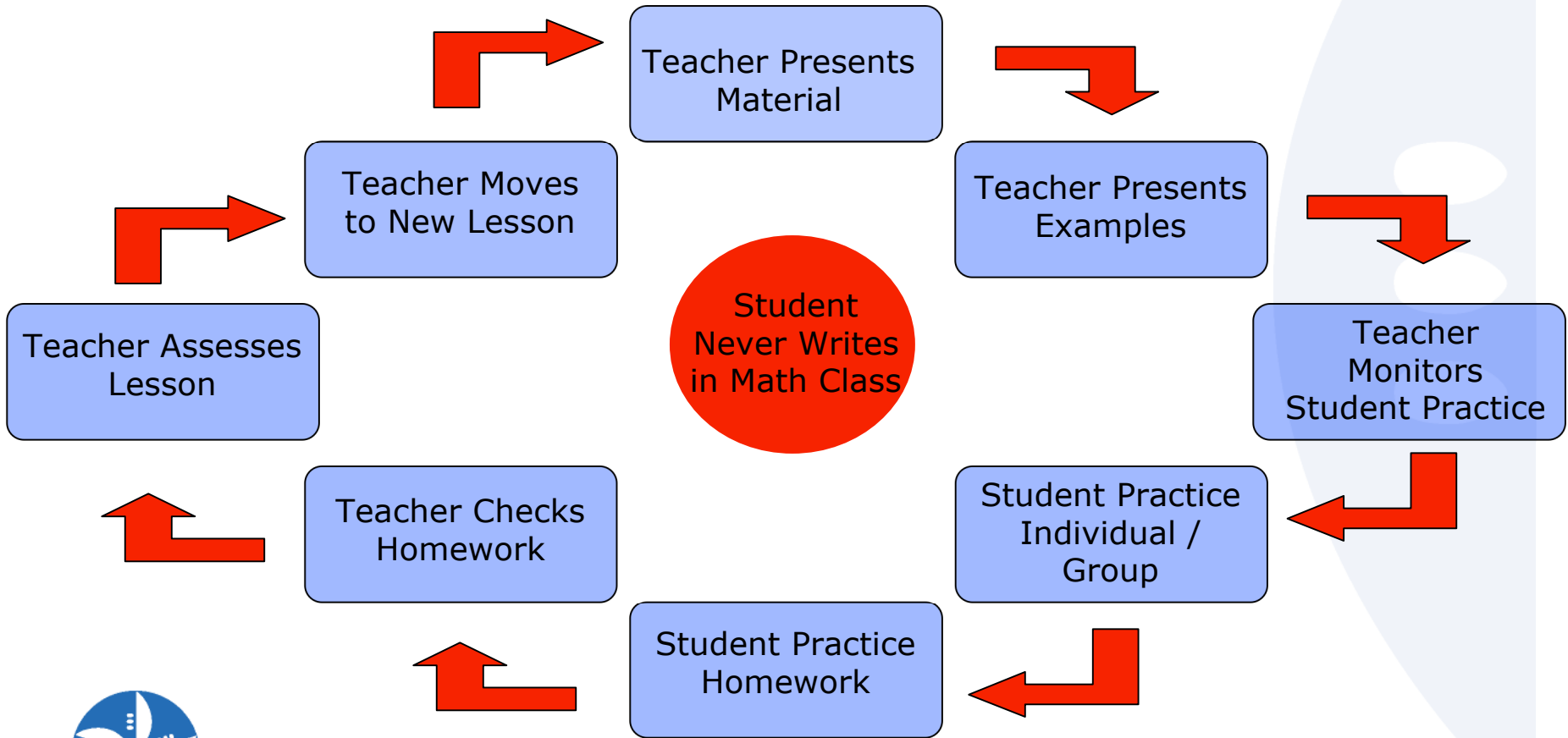
Evidence of Success

Student
Writing
No LEP Support

Student Writing without Support



Traditional Math Sequence

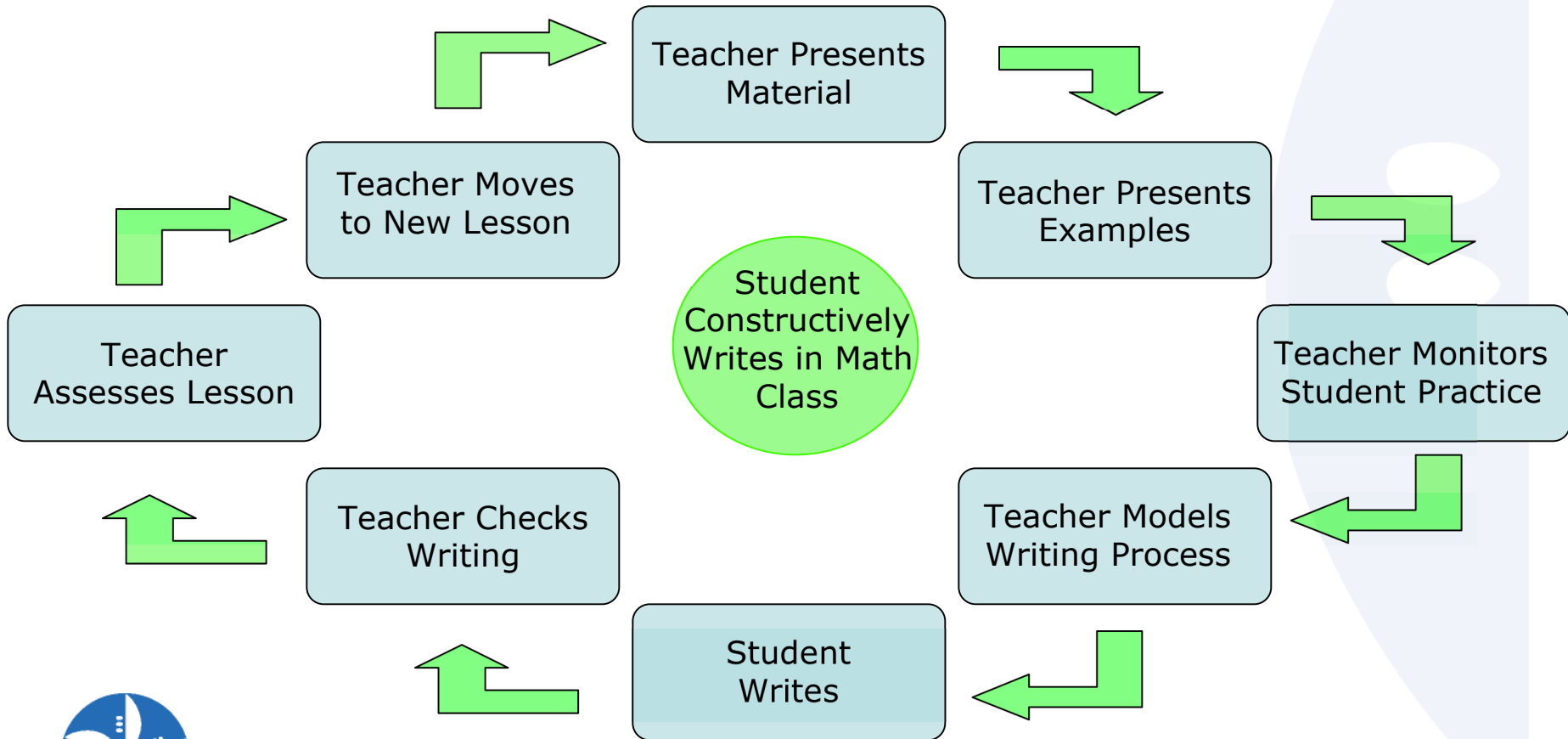


Traditional Math Activity

- Graphing circles worksheet
- Materials
 - Compass, graphing paper
- Building a silo activity



Adapted Math Sequence



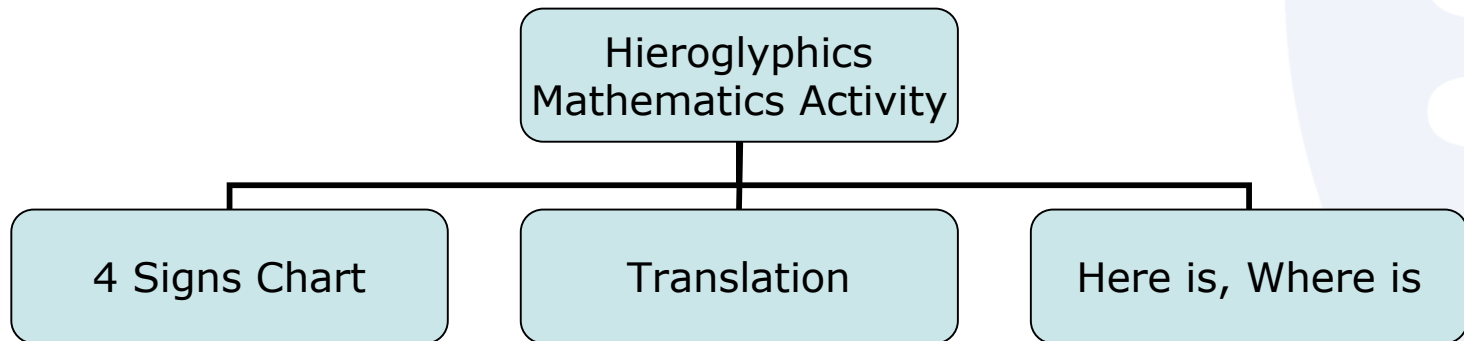
Adapted Math Activity With LEP Support

- Graphing circles worksheet
- Materials
 - Compass, graphing paper
- Going fishing activity
- LEP support for writing



Implementation Activities

In order to show the importance of a word wall for LEP students, the following activity will be implemented.



Hieroglyphics Mathematics

LEP Activity

Play the hieroglyphics game to fill in the chart below. You will have to use LEP strategies to win.

Add	Subtract	Multiply	Divide



Hieroglyphics Mathematics

- Take the word list from the presenter
- Translate the words in the list from the previous page

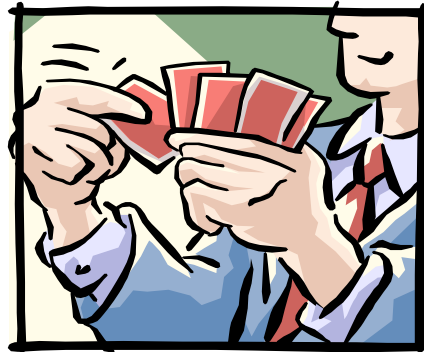


Add	Subtract	Multiply	Divide



“Here is, Where is” Activity

- Distribute the “Here is, Where is” Cards
- Play “Here is, Where is” Activity



Student Generated Word Wall Activity

- Gather vocabulary words
- Draw a picture, show a math problem
- Post word wall



Contact

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