

Turn the LAMP On
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Experience how mathematics and language arts teachers unite to design engaging and insightful Language Arts and Mathematics projects (LAMP).

- Collaborative environment, trust and empathy
- Positive attitudes
- Explain in own words
- Diverse styles of learning
- Infusion of problem solving experiences (Ediger, 2011)

I. Writing in Math Class- Graphic Organizer

II. Literature in Math Class

Sideways Stories from Wayside School by Louis Sachar

Math Curse by Jon Scieszka + Lane Smith

III. Write their own math problems using the language arts elements of:

Alliteration

Rhyme

Onomatopoeia

Personification

IV. *Sir Cumference and the Sword in the Cone* by Cindy Neuschwander

The Magic Number

Euler's Law of Two

V. Party Planner

Budget

Floor map

VI. Math Riddles/Vocabulary

VII. Reader's Theatre

VIII. SLAMP Science, Language Arts, and Mathematics Project

Mathematics through Children's Literature web site:

<http://faculty.tamucc.edu/fbruun/>

Ediger, M. (2011). Assisting pupils in mathematics achievement (The Common Core Standards). *Journal of Instructional Psychology*; 38(4), 154.

Urquhart, V. (2009). *Using writing in mathematics to deepen student learning*. Mid-continent Research for Education and Learning, CO.

Wu, Z., An, S., King, J., Ramirez, M. & Evans, S. (2009). Second grade "professors": Using graphic organizers and the mathematician's chair enhances second grade proficiency in solving word problems. *Teaching Children Mathematics*, 16(1), 34-42.