

# Team Teaching Tips



## Effective Team Teaching

- Establish rapport
- Collaborate on lessons & activities
- Communicate
- Cooperate
- Be flexible
- Formulate a plan of action
- Take risks & grow
- Foster a learning environment that is cooperative, creative, and provides a forum for curriculum integration

## Literacy in the Math Classroom

"Reading and writing activities can help students analyze, interpret and communicate mathematical

ideas..."Common processing skills needed for mathematics are " predicting, inferring, communicating, comparing and contrasting, and recognizing cause and effect relationships...Mathematics teachers can help all students increase their comprehension of mathematics texts by activating their prior knowledge through brainstorming, discussing the topic, asking questions, and providing analogies. Specific attention to vocabulary is often necessary to enable comprehension of mathematics texts..." (Intercultural Development Research Association-IDRA.org).

## Teachers can do the following:

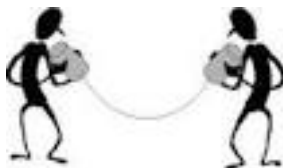
- Introduce new vocabulary and use a graphic organizer, concept map, semantic map or collaborative peer student techniques to develop understanding of new words
- Give students an opportunity to read articles/ about math concepts. Resource for sample math articles: Math Horizons ([www.maa.org](http://www.maa.org))
- Have students keep a math journal- write about things they are having difficulty with or things they have figured out. (assists with concrete logic)

## Co-Teaching Models

-Two or more teachers in the classroom share the instructional tasks. Ex. one teacher may lead a lesson while the other teacher circulates the room and checks for understanding.

-Two or more teachers teach subgroups of a larger class. Large groups utilized for presentations & demonstrations; however each teacher assumes responsibility for a different group of students.

-Each teacher teaches specialized skills to the whole group. Communication is key. Working across disciplines highlights interrelationships between subjects. (Education World)





Using Literacy Strategies in Mathematics and Science Learning

[http://ohiorc.org/orc\\_documents/ORC/Adlit/InPerspective/2009-02/in\\_perspective\\_2009-02.pdf](http://ohiorc.org/orc_documents/ORC/Adlit/InPerspective/2009-02/in_perspective_2009-02.pdf)

K-N-W-S is an example active reading tool developed by (Ogle, 1986) based on George Polya's Principles of Problem Solving. Model how the columns are used to solve a word problem. Provide a thorough explanation of which pieces of information from the word problem belong in each area of the chart. This can be an individual or collaborative assignment.

### K-N-W-S

K	N	W	S
What facts do I KNOW from the information in the problem?	What information do I NOT need?	What does the 'problem' WANT you to find?	What STRATEGY or operations will I use to solve the problem?

Other literacy strategies featured in the periodical that can be utilized in the classroom are as follows:

- Three-level guide- good for focusing on important facts or approaches
- Word problem roulette- encourages collaboration
- Process Log- helps students to communicate their thinking

