

By the end of this session...

You will:

- understand characteristics of effective vocabulary instruction
- understand a six-step process for direct instruction in vocabulary, and
- be presented with a range of strategies and tools that can be used within this framework







Impact of Direct Vocabulary Instruction

- Research shows a student in the 50th percentile in terms of ability to comprehend the subject matter taught in school, with no direct vocabulary instruction, scores in the 50th percentile ranking.
- The same student, after specific content-area terms have been taught in a specific way, raises his/her comprehension ability to the **83rd percentile**.

Some Interesting Correlations

- 2011NAPLAN scores
- 527 year 7 students
- 426 year 9 students

Some Interesting Correlation					
YEAR 7 2011	r	r ²			
Reading v Maths	0.70	49 %			
Reading v Writing	0.64	41%			
Reading v Spelling	0.65	42%			
Reading v Grammar	0.75	57%			
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Some Interesting Correlations				
YEAR 9 2011	r	r ²		
Reading v Maths	0.60	37%		
Reading v Writing	0.54	30%		
Reading v Spelling	0.50	25%		
Reading v Grammar	0.69	48%		
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Why? • Why does vocabulary instruction have such a profound effect on student comprehension of academic content?



• It is not necessary for all vocabulary

terms to be directly taught.

• Yet, direct instruction of vocabulary has been proven to make an impact.

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Which Words?

- Decide on number of words to be taught directly at each grade level (P-2, 3-5, 6-8, or 9-12)
- Suggestion:1 word per week.
- Therefore, plan for approximately 35 math terms per year.









Step 3

Students are to construct a picture, symbol or graphic representing the word.

- Web 2.0 tools
- Maths walls

Step 4

Students periodically do activities that help add to knowledge of vocabulary terms.

- origin of words
- Similarities and differences
- Synonyms and antonyms
- analogies

Step 5

Periodically students are asked to discuss terms with one another.

Reflection strategies

Step 6

Periodically students are involved in games that allow them to play with terms.



Wheel of Fortune

Who wants to be a Millionaire?

Vocabulary Charades Pictionary Who am I? Taboo

Summary

- 1 term per week for 35 weeks to teach target terms.
- Set aside time periodically to engage students in vocabulary activities, adding to knowledge base.
- Allow students to discuss terms.
- Encourage students to add information to notebooks and journals.

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Final Thought

Teachers, schools, and districts that embrace a comprehensive approach of building academic vocabulary will see impressive results in classrooms and on achievement tests. (Marzano)

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Readings

- ASCD Report: The Effects of Focused Academic Vocabulary Instruction on Underperforming math students Margie Gifford and Susan Gore
- What role does vocabulary instruction play in the mathematics classroom? McREL

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