

Words Children Need in Primary and Preschool Years

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EARLY EDUCATION AND TECHNOLOGY FOR CHILDREN

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Why worry about Vocabulary for Young Children?

The size of a child's vocabulary in kindergarten is the best predictor for their reading skills later.





In this presentation we will use "word meaning" instead of "word" because many words have more than one meaning.

- I read the newspaper column near the column on the porch.
- You can lean against the wall while you eat the lean hamburger.
- We can can the tomatoes in August.



Words			
<u>Age</u>	Acquired	Cumulative	Grade
	_		
1-1.9	400	400	(early toddler)
2-2.9	800	1200	(late toddler)
3-3.9	800	2000	Preschool
4-4.9	1000	3000	Preschool or Pre K.
5-5.9	1000	4000	Kindergarten
6-6.9	1000	5000	One
<u>7-7.9</u>	1000	6000	Two

Table 1. Growth of Average Root Word Meanings



Can we teach enough words to make a difference?

If we would start vocabulary instruction by age 4, many children with low vocabularies could attain average levels of vocabulary by age 8.



How much teaching?

- For children to learn 400 meanings per year, you must teach at least 1000 meanings.
- Meanings must be taught each year in primary grades.
- Teaching vocabulary for one year is not enough to bring children to adequate levels.

Vocabulary programs that succeeded took about 30 minutes per day.

 "Success" meant children retained 2 or 3 meanings per day or about 10 per week.



This involved reading stories more than once, and explaining some meanings on each reading.



What meanings should we teach?

- It is best to teach meanings that would be appropriate to learn in the next year or two.
- Children learn word meanings mainly in the same order.
- For example, children who know 7000 meanings, know about the same words whether they are in 1st, 3rd, and 5th grade.



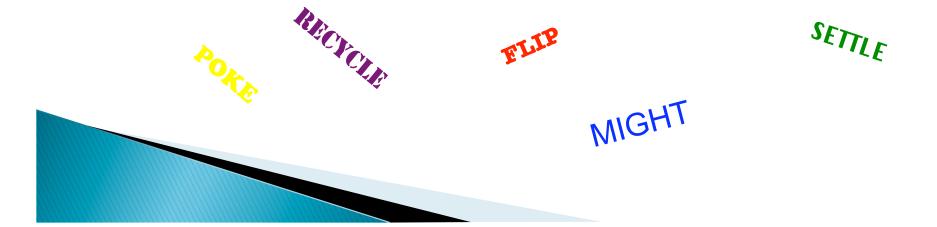
Isabel Beck's "Tiers of Words"

- Beck and her colleagues created the "Tier" system for selecting words.
 - Tier I easy—known by most. run, stone, boy
 - Tier 2 important meanings—teach.
 coincidence, absurd
 - Tier 3 difficult—learn later. *molecule, biosphere*

- I agree with Beck's Tiers, but I think they ignore needed meanings for primary and pre-primary children.
- Many young children don't know some important but less advanced meanings.
- For primary grades, examples that Beck ignores include: *absolute, pattern,* or *talent.*



- Words Worth Teaching lists 1600 high priority (Tier 2) meanings to teach to children between kindergarten and grade 2.
- The book also contains 2900 meanings for upper elementary children.



Examples of Meanings for Primary Grade Instruction from Words Worth Teaching

- Absolute certain; positive
- Brave to face boldly
- Community group of people living together
- Great excellent
 Great famous
 - Great large in size

If children are to succeed in the upper elementary grades, many will need to learn more of the high priority meanings by the end of the primary grades.

Meanings Needed before Kindergarden

- By the time they begin kindergarten, advantaged children know a thousand more meanings that less advantaged children.
- These 1000 word meanings are good candidates for instruction prior to kindergarten.



- Colleagues at Waterford are working on a computerized vocabulary program for young children.
- Together, we have been hoping to conduct further research on needed word meanings for preschool children.



Examples of Pre-Kindergarten Meanings

- Able having the power to do something
- Gentle light and soft
- Gentle mild-tempered
- Glue fix so it sticks
- Interest a liking for
- Law a rule



Are some words "worth teaching" more important than others?

 Verbally-defined meanings may be more important than concrete meanings.



 "Concrete" meanings refer to things that can be pointed to or acted out. Examples are rock, house, and run.

 "Verbally-Defined" meanings refer to words that must be defined or explained using other words. Examples are think, because, and maybe.



Evidence that knowledge of verbally-defined word meanings are better predictors of comprehension.

- Knowledge of verbally-defined meanings predicts 55% of reading comprehension a year later.
- Knowledge of concrete meanings predicts only 40% of reading comprehension a year later.

Caution, this finding is based on a sample of advantaged children.

Summary

- The size of young children's vocabulary is a major predictor of their later educational success.
- By the end of grade two, children from the lowest vocabulary group are about 4 years behind the children from the highest group.



- We do have a good idea what words should be taught.
- It is possible for children to learn enough needed meanings per year in the primary grades to attain gradelevel by grade 2.



We just need to do it!

