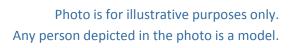




# 1. Academic Vocabulary Intensive

Evidence-Based Facilitator Guide: Improving Intermediate Academic Content and Literacy for English Learners





## Quote





Words are not just words . . . it is through words that we build, refine, and modify our knowledge. What makes vocabulary valuable and important is not the words themselves so much as the understandings they afford.



## **Idaho Content Standards**

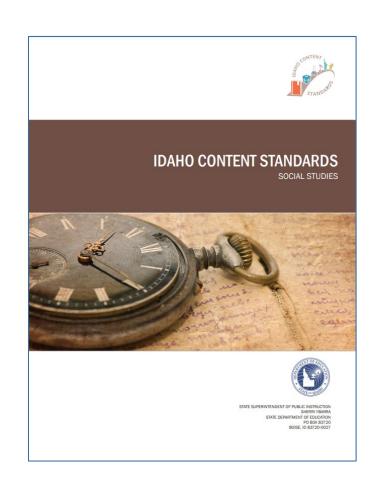


Idaho Content Standards English Language Arts/Literacy

January 3, 2022

IDAHO STATE DEPARTMENT OF EDUCATION
CONTENT AND CURRICULUM | ENGLISH LANGUAGE ARTS/LITERACY

650 W STATE STREET, 2ND FLOOR BOISE, IDAHO 83702 208 332 6800 OFFICE WWW.SDE.IDAHO.GOV





## **WIDA ELD Standards**



#### **Standard 1 – Social & Instructional Language**

English language learners communicate for Social and Instructional purposes within the school setting.

#### **Standard 2 – Language of Language Arts**

>> English language learners communicate information, ideas, and concepts necessary for academic success in the content area of Language Arts.

#### **Standard 3 – Language of Mathematics**

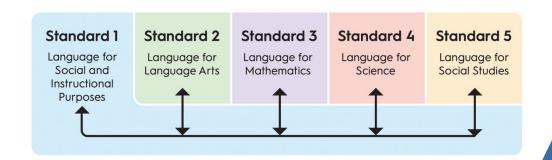
>> English language learners communicate information, ideas, and concepts necessary for academic success in the content area of **Mathematics**.

#### **Standard 4 – Language of Science**

>> English language learners communicate information, ideas, and concepts necessary for academic success in the content area of **Science**.

#### **Standard 5 – Language of Social Studies**

>> English language learners communicate information, ideas, and concepts necessary for academic success in the content area of **Social Studies**.



WIDA, 2020 p. 9





Academic language is \_\_\_\_\_.

To have academic language means that \_\_\_\_\_.

An example of academic language would be \_\_\_\_\_.





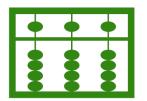


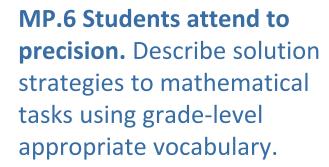
Academic language is the set of words, grammar, and organizational strategies used to describe complex ideas, higher-order thinking processes, and abstract concepts.



## Language in Standards for Mathematical Practice









MP.6 Students attend to precision. Develop and refine mathematical communication skills by using clear and precise language in their discussions with others and in their own reasoning.

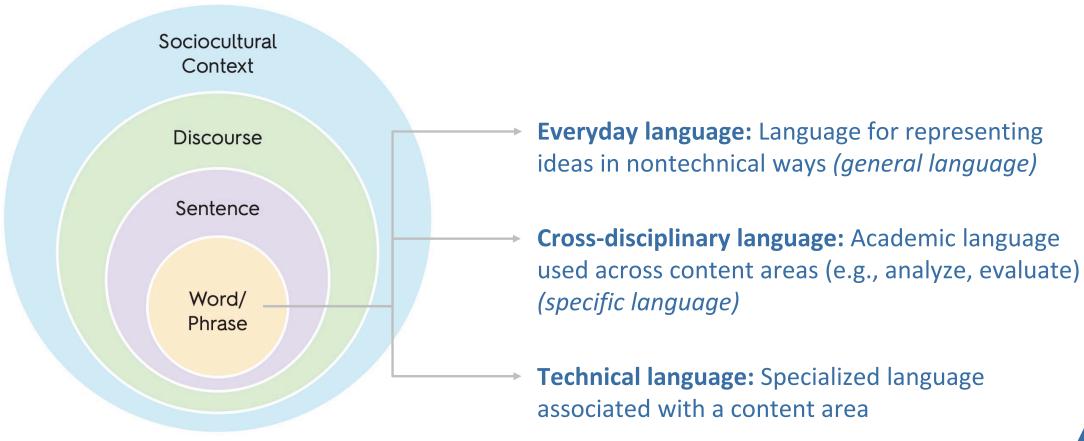


MP.4 Students model with mathematics. Experiment with representing problem situations in multiple ways, including numbers and words (mathematical language).



## **Dimensions of Language Use**



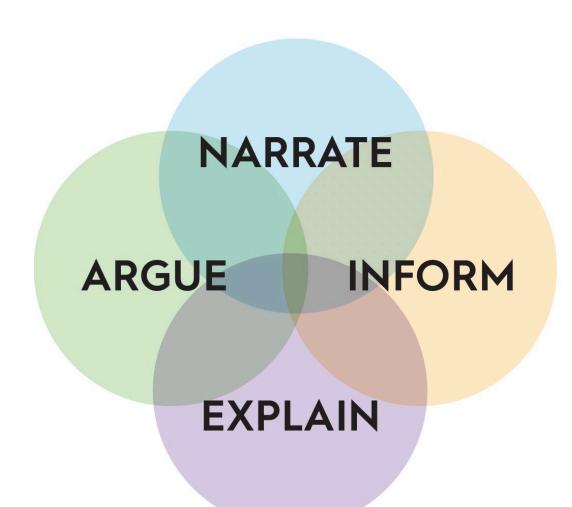




## **4 Key Language Uses**



- >> Reflect the most high-leverage genre families across academic content standards
- Are present across all grade levels and disciplines





WIDA, 2020, p. 26





WIDA ELD Standard	Narrate	Inform	Explain	Argue
Language for Social and Instructional Purposes				
Language for Language Arts				
Language for Mathematics				
Language for Science				
Language for Social Studies				



1. Most prominent



2. Prominent



3. Present







11

WIDA ELD Standard	Narrate	Inform	Explain	Argue
1. Language for Social and Instructional Purposes				
2. Language for Language Arts				
3. Language for Mathematics				
4. Language for Science	0			
5. Language for Social Studies		0		



WIDA, 2020, p. 290

## **Distribution of Key Language Uses**





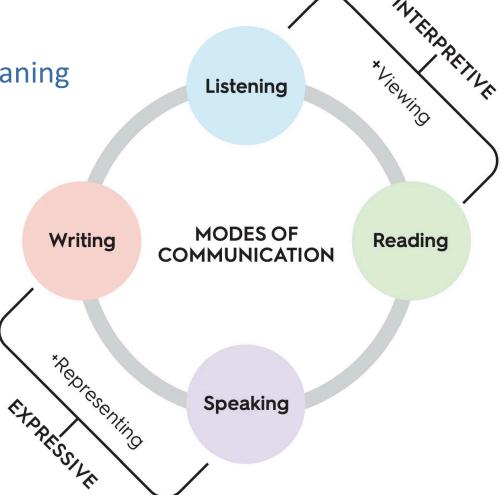
WIDA, 2020, p. 365

## **Modes of Communication**



>> Provide support for developing language

>> Essential path for all students to make meaning





# **Today's Focus**

Improving academic vocabulary



## **Skilled Readers**



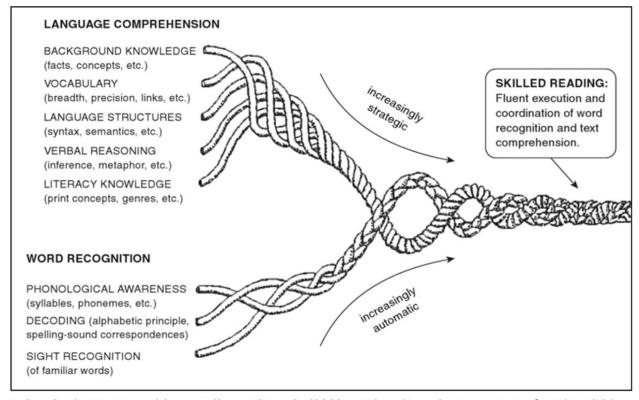
What are some essential components of being a skilled reader?



# Scarborough's Reading Rope



#### Scarborough's Reading Rope



Scarborough, H. (2001 Connecting early language and literacy to later reading (dis)abilities: Evidence, theory and practice. In S. Newman & D. Dickinson (Eds.), Handbook of Early Literacy Research. pp. 97-110. New York, Guilford Press. (used with permission of the author)



Scarborough, 2002, p. 98

# Simple View of Reading (SVR)



Adequate '	WR
Adequate	LC

Poor WR Adequate LC

Adequate WR Poor LC

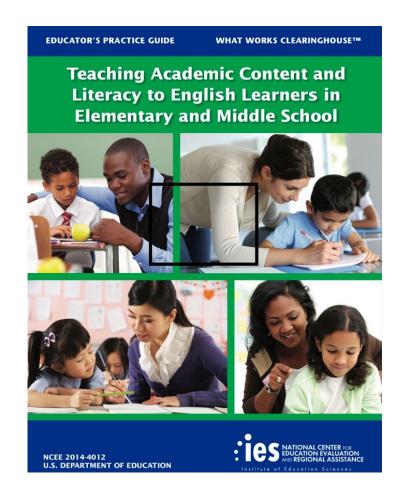
Poor WR Poor LC Word recognition (WR): Phonological awareness, decoding and encoding skills

Language comprehension (LC): Skills related to language comprehension











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# 4 Recommendations for Teaching Academic Content and Literacy to English Learners

- 1. Teach a set of *academic* vocabulary words *intensively* across several days using a *variety of instructional activities*
- 2. Integrate oral and written English-language instruction into content-area teaching
- 3. Provide regular, structured opportunities to develop written language skills
- 4. Provide *small-group instructional intervention* to students *struggling* in areas of literacy and English-language development







#### The Many Strands that are Woven into Skilled Reading (Scarborough 2001)

#### LANGUAGE COMPREHENSION

BACKGROUND KNOWLEDGE (facts, concepts etc)

**VOCABULARY** (breadth, precision, links etc)

LANGUAGE STRUCTURES (syntax, semantics etc)

VERBAL REASONING (reference, metaphor etc)

LITERACY KNOWLEDGE (print concepts, genres etc)

#### SKILLED READING: Fluent execution and comprehension

coordination of word recognition and text

#### WORD RECOGNITION

PHONOLOGICAL AWARENESS (syllables, phonemes etc)

DECODING (alphabetic principle spelling-sound correspondence)

SIGHT RECOGNITION (of familiary words)





20 Scarborough, 2002, p. 98

"automatic

# STATE OF TOTAL

# 4 Recommendations for Teaching Academic Content and Literacy to English Learners

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## **Steps to Implement Recommendation 1**



1

•Choose a **brief**, **engaging piece of text** that includes academic vocabulary

7

•Choose a small set of academic vocabulary for in-depth instruction

3

•Teach academic vocabulary in depth using **multiple modalities** (speaking, writing, and listening)

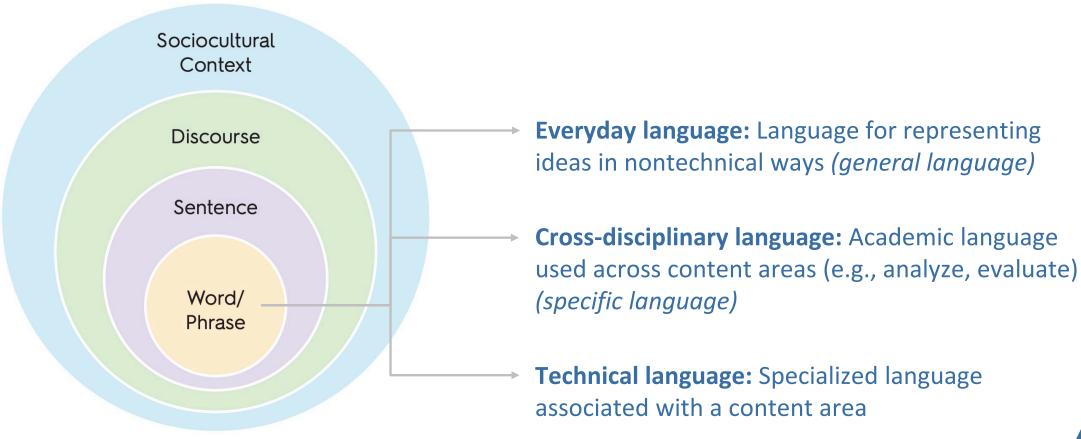
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•Teach word-learning strategies to help students independently figure out the meaning of words



## **Dimensions of Language Use**







Gottlieb et al., 2012, p. 5



# **Academic Vocabulary Categories**

General	Domain-Specific
<ul> <li>Environment</li> <li>Factor</li> <li>Exhibit</li> <li>Investigate</li> <li>Factor</li> <li>Transition</li> </ul>	<ul> <li>Mathematics</li> <li>Pi</li> <li>Communicative</li> <li>Science</li> <li>Photosynthesis</li> <li>Atom</li> <li>Diode</li> </ul>



## **Brief Engaging Text**



When you walk into a zoo today, the exhibits look different than they used to look years ago. Before the 1960s, zoos had cages with tile walls and floors. Now, animals in zoos live in more natural environments. For example, instead of enormous gorillas pacing back and forth in cramped cement areas, they play on soft grass and nap in trees. Before, large birds lived in small cages. Now, zoos have large exhibits where birds can stretch their wings and soar from tree to tree. According to zoo design expert Jon C. Coe, these changes often have a positive impact on animals' health and happiness.

Still, creating better living spaces is just one step toward improving the lives of animals that live in zoos. Even in exhibits that look like their natural environments, animals can become bored. According to Coe, boredom can have harmful effects.

"An exhibit may look great, but it isn't doing much for the animal unless it also involves a choice of things to do all day," said Coe. Animals need to be challenged with activities such as looking for food and exploring their surroundings. In fact, some research has shown that giving zoo animals more options and activities promotes good health and lowers the incidence of violent behavior. Today, several zoos have created living environments for their animals that involve the kinds of pursuits that Coe described. For instance, the orangutans at the National Zoo in Washington, DC can travel across the zoo on overhead ropes to visit friends.

Coe recommends more investigation into these types of zoo exhibits and their impact on animal health. With this new pursuit of creating more natural environments in zoo exhibits, he sees a happier and healthier future for many zoo animals.



## **Brief Engaging Text**





Words central to understanding the text



Words frequently used in text



Words that might appear in other content areas



Words with multiple meanings



Words with affixes



Cross-language potential







Brief Routine	Expanded Routine
<ul> <li>Show the word, say the word, have students repeat the word</li> <li>Present definition, provide alternate definition in student-friendly language if necessary</li> </ul>	<ul> <li>Present new word</li> <li>Show students the word</li> <li>Read the word aloud</li> <li>Students repeat the word aloud</li> <li>Present a student-friendly definition</li> </ul>
Say the word again and have students repeat the word	<ul> <li>Discuss with students "what is known about the word"</li> <li>Present students with example sentences/examples/non-examples of the word</li> </ul>
	<ul> <li>Provide students with a demonstration, object, or picture that represents the word</li> <li>Engage in deep processing of the word</li> <li>Offer multiple exposures during instruction</li> </ul>







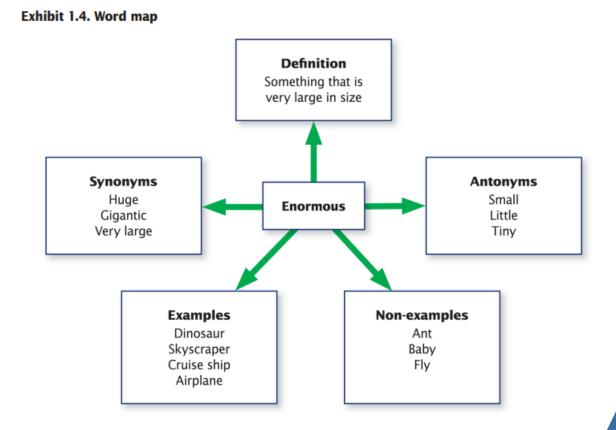
Student-Friendly Definition	Traditional Definition
A writer retelling events that occurred during their life	A historical account or biography written from personal knowledge or special sources



## **Activities for Explicit Instruction**



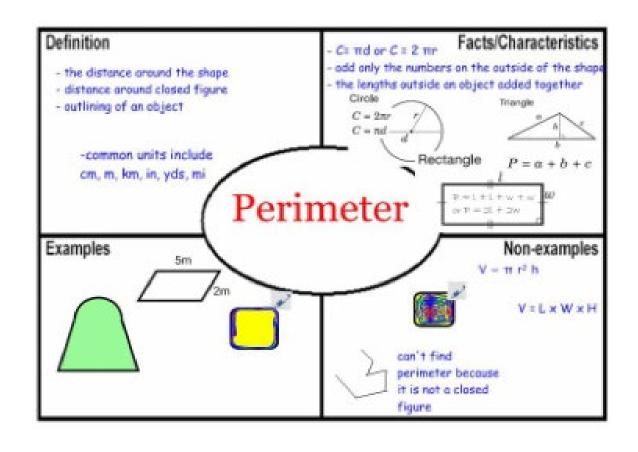
- >> Define (student-friendly)
- >> Reinforce: Example, non-example, concrete representation, visual representation (or "realia")
- >> Extend (repetition)









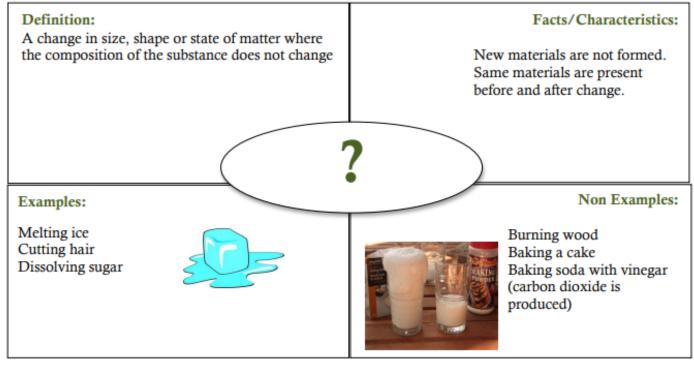








### Frayer Model Examples – Guess the word/concept



(Source: Using Literacy Strategies in Mathematics and Science Learning in Adolescent Literacy in Perspective, 2009)







Prefix	Meaning	Example	ELA	Math	Social Studies	Science
anti-	against	antiwar				
de-	not, opposite	deactivate				
dis-	not, opposite of	disagree				
en-, em-	cause to	encode, embrace				
fore-	before	forecast				
in-, im	in, on	inhabit, imprint				
in-, im-, il-, ir,-	not	injustice, impossible				
inter-	between	interact				
mid-	middle	midsize				
mis-	wrong	misfire				







Prefix	Meaning	Example	ELA	Math	Social Studies	Science
non-	not	nonessential				
over-	too much	overrun				
pre-	before	prehistoric				
re-	back, again	return, redesign				
semi-	half	semicircle				
sub-	under	submarine				
super-	above	superstar				
un-	not	unhappy				
under-	below	undersea				







Suffix	Meaning	Examples	ELA	Math	Science	Social Studies
-able, -ible	can be done	comfortable				
-al, -ial	having characteristic of	personal				
-ed	past tense verb	divided				
-en	made of	wooden				
-er	comparative	greater				
-er, -or	one who	worker, doctor				
-est	comparative	greatest				
-ful	full of	careful				
-ic	having characteristic of	linguistic				
-ing	present participle	figuring				
-ion, -tion, -ation, -ition	act, process	subtraction, radiation				







Suffix	Meaning	Examples	ELA	Math	Science	Social Studies
-ive, -ative, -itve	adjective form of noun	plaintive, communicative				
-ity, -ty	state of	infinity				
-less	without	fearless				
-ly	characteristic of	quickly				
-ment	action or process	establishment				
-ness	state of, condition of	kindness				
-ous, -eous, -ious	possessing the qualities of	poisonous				
-s, -es	more than one	boxes, toys				
-у	characterized of	snappy				



# 14 Valuable Morphemes: Root Words



>>cept >>plic

>>duct >>pos

>>fer >>sist

>>graph >>>spect

>>mit >>>tend

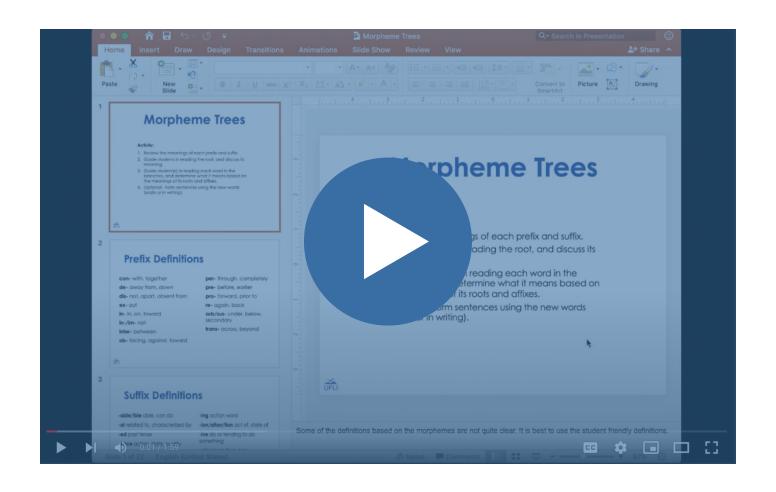
≫ology ⇒ tent







37



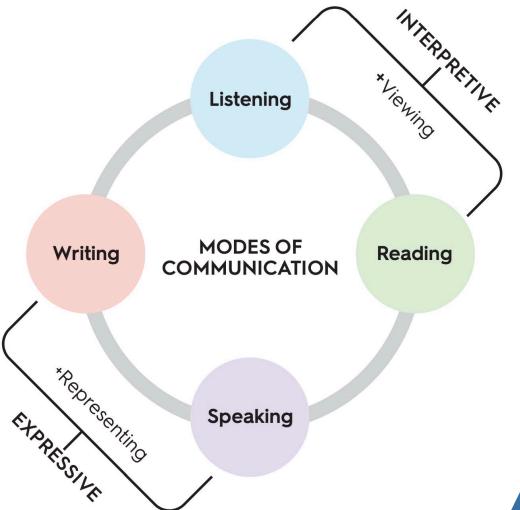


UFLI, 2020

## **Modes of Communication**



Teaching vocabulary in depth requires using multiple modes of communication





## **Modalities: Brick and Mortar**



Brick: Topic, specific vocabulary

What we are talking about

Mortar: Teaching

**How** we are talking about it

It takes **both** to generate language





## **Summative Video**











What information was new? What was a good reminder?

What implication does this information have for your classroom?

What is one thing you would like to try with your students?

How might you use this information when planning for a lesson?



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# Questions



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