



Broward Reading Academy

James Patterson  Literacy Challenge

What is UFLI?



UFLI

University of Florida Literacy Initiative

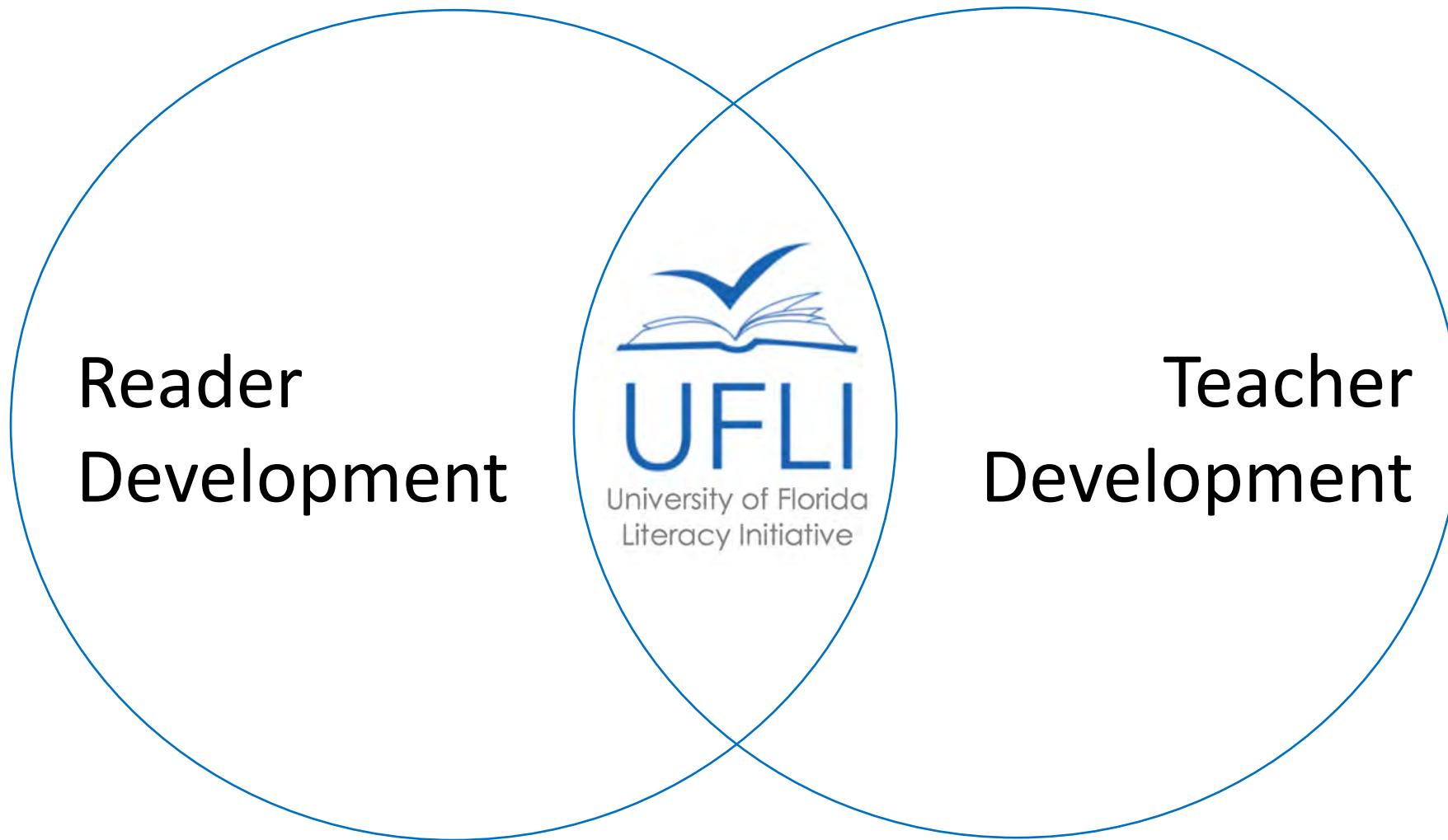
What is UFLI?



UFLI is an ongoing effort by UF faculty and students to improve literacy outcomes for students who struggle to learn to read and write.



What is UFLI?



What is UFLI?

UFLI: Tutoring for Beginning Readers (UFLI Basic)

- One-on-one tutoring designed to help teachers (a) understand how a child learns to read and (b) learn strategies to help children who struggle

UFLI: Intensive Tutoring for Students with Dyslexia (UFLI Intensive)

- Intensive, one-on-one intervention designed for students with significant reading difficulties

UFLI: Small Group Intervention (UFLI Small Group)

- Application of UFLI Basic & Intensive strategies with groups of children

Hard Words

Why aren't kids being taught to read?



Our Agenda

Session 1: April 26

- Conceptual Framework for Understanding Reading
- Essential Elements of Effective Reading Instruction
- Metacognition
- Knowledge

Session 2: May 9-10

- Language
- Fluency
- Introduction to Word Study

Session 3: May 20-21

- Word Study In-Depth
- UFLI Small-Group Model



A Conceptual Framework
for Understanding Reading

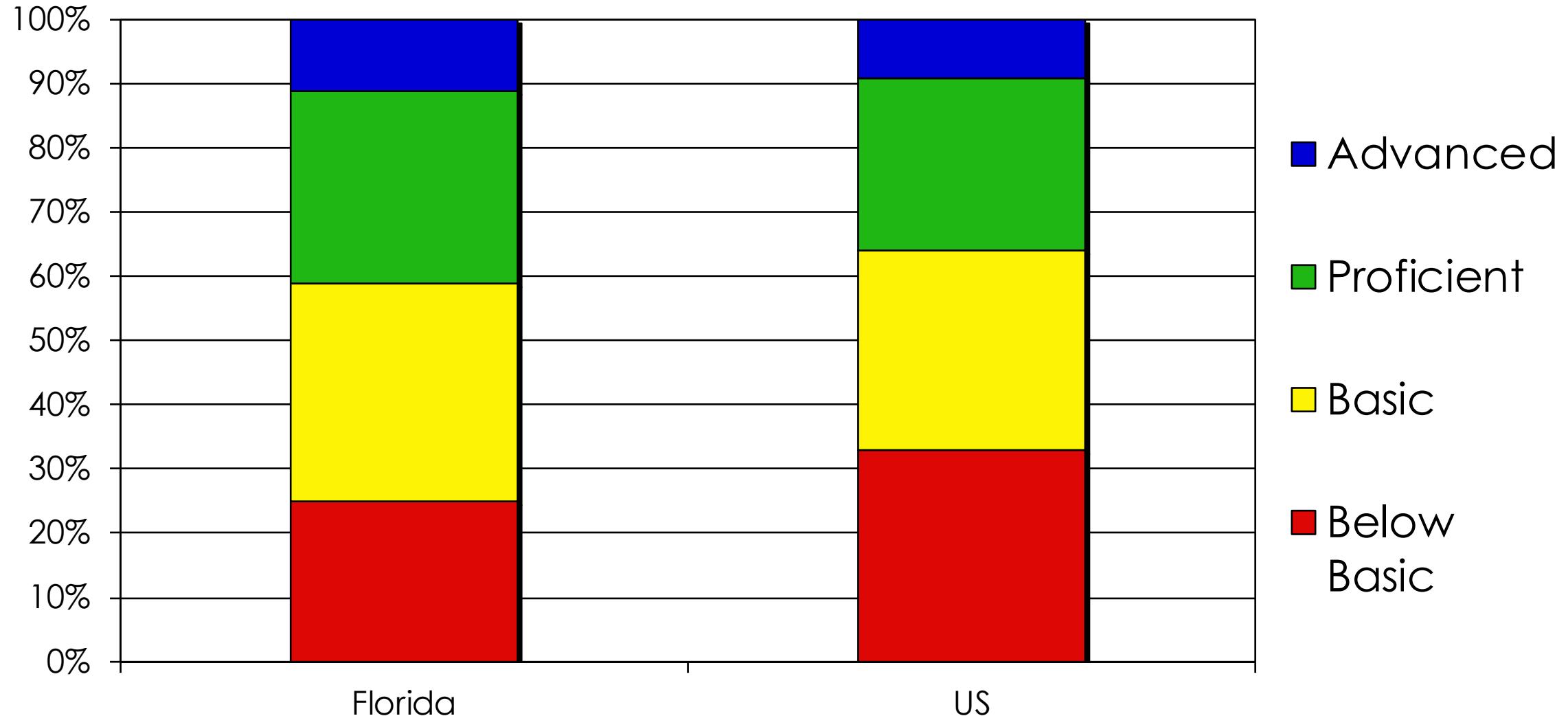


National
Assessment of
Educational
Progress (NAEP)

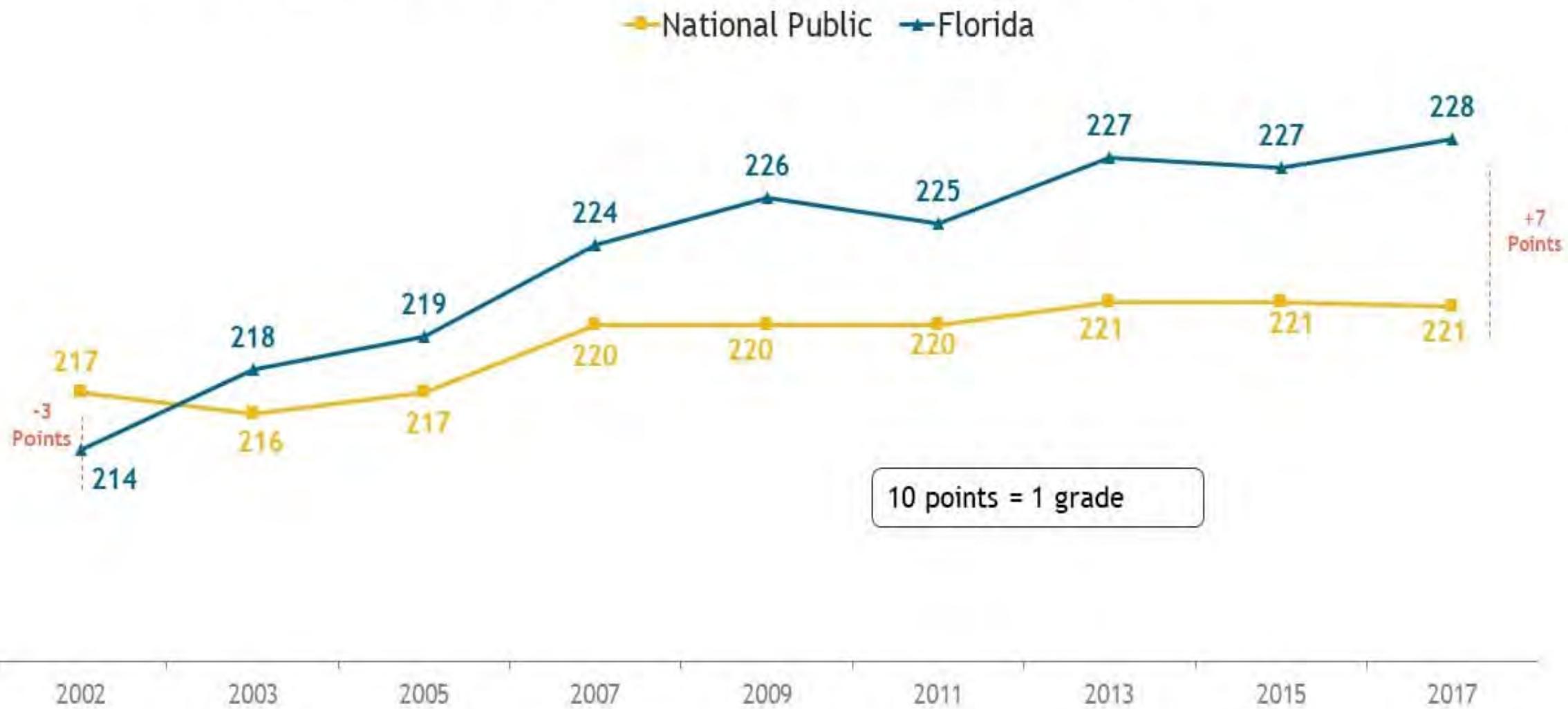
NAEP Levels

- ✓ **Advanced** signifies superior performance.
- ✓ **Proficient** represents solid academic performance. Students reaching this level have demonstrated competency over challenging subject matter.
- ✓ **Basic** denotes partial mastery of the knowledge and skills that are fundamental for proficient work at a given grade level.
- ✓ **Below Basic** is, well, not good.

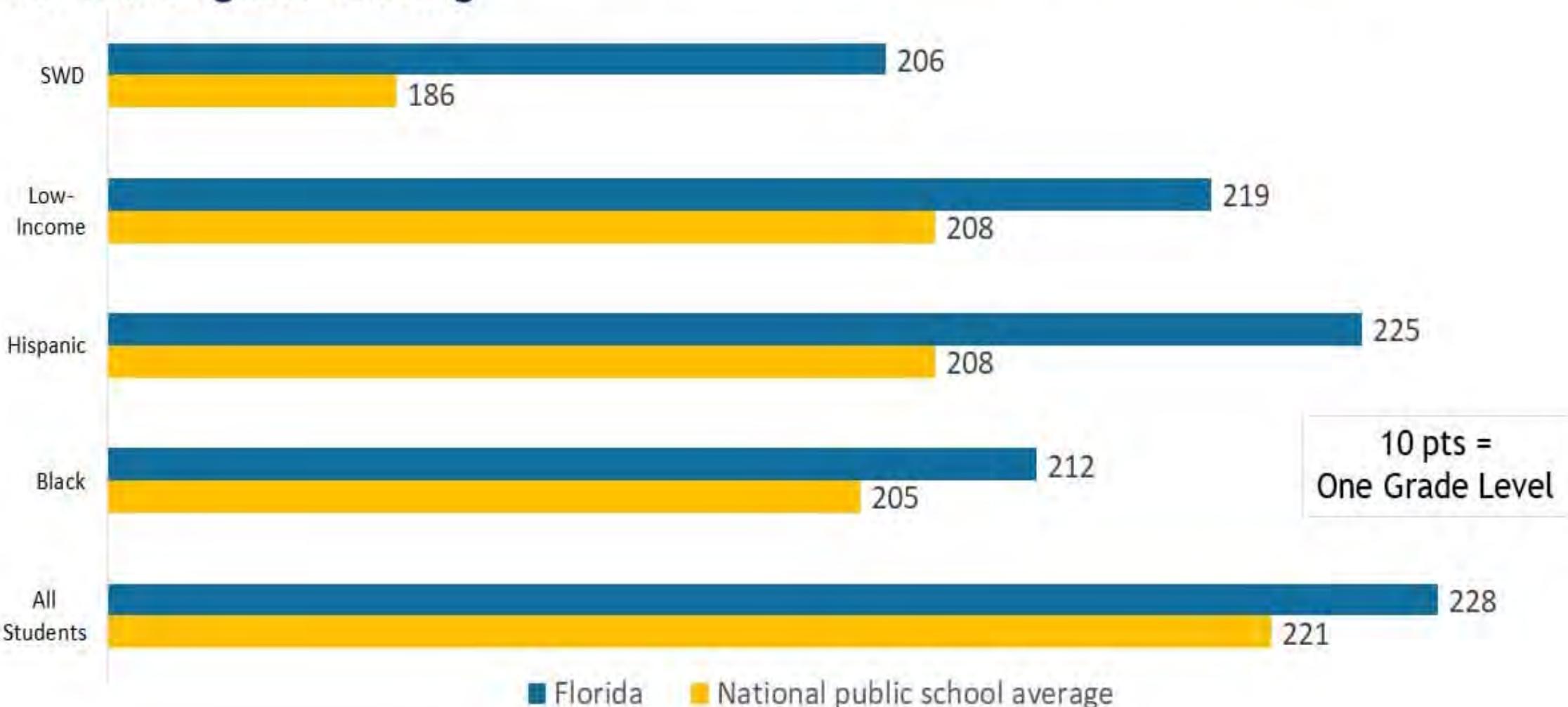
2017 NAEP Reading Results



Average NAEP 4th Grade Reading Scores, 2002-2017



Florida students outperformed the national average in EVERY subgroup for fourth grade reading



Sample of Knowledge and Skills Required on 4th Grade NAEP

Basic

Retrieve and provide a text-related fact

Identify trait describing main character

Recognize literal information from text

Provide story detail to support opinion

Recognize central problem faced by story character

Proficient

Identify main theme of story

Identify explicitly stated but embedded detail

Retrieve relevant information to fit description

Provide explanation of character's feeling

Recognize fact supported by text information

Advanced

Provide overall message of story

Explain author's use of direct quotations

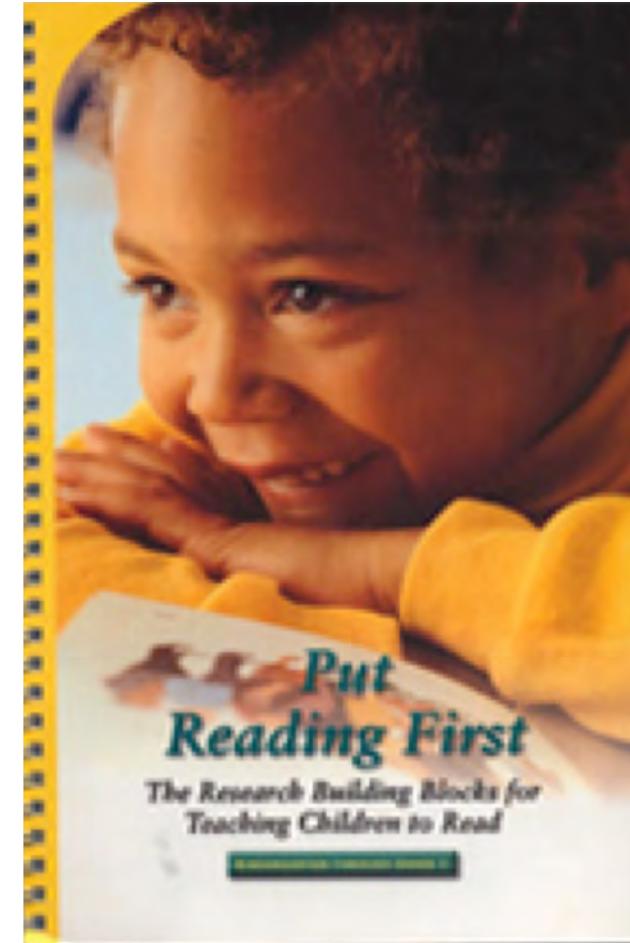
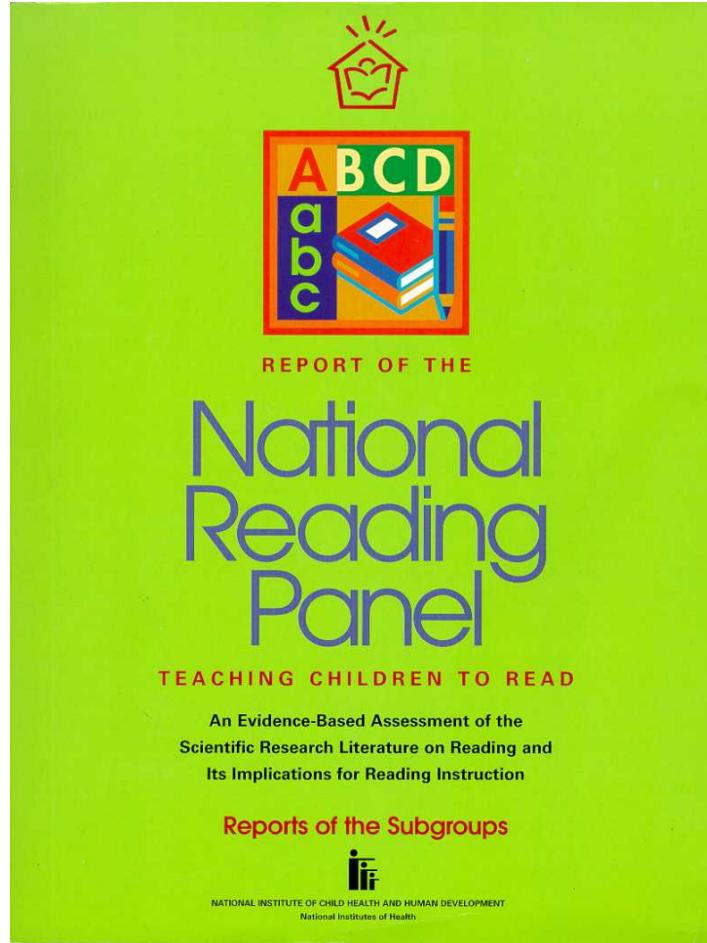
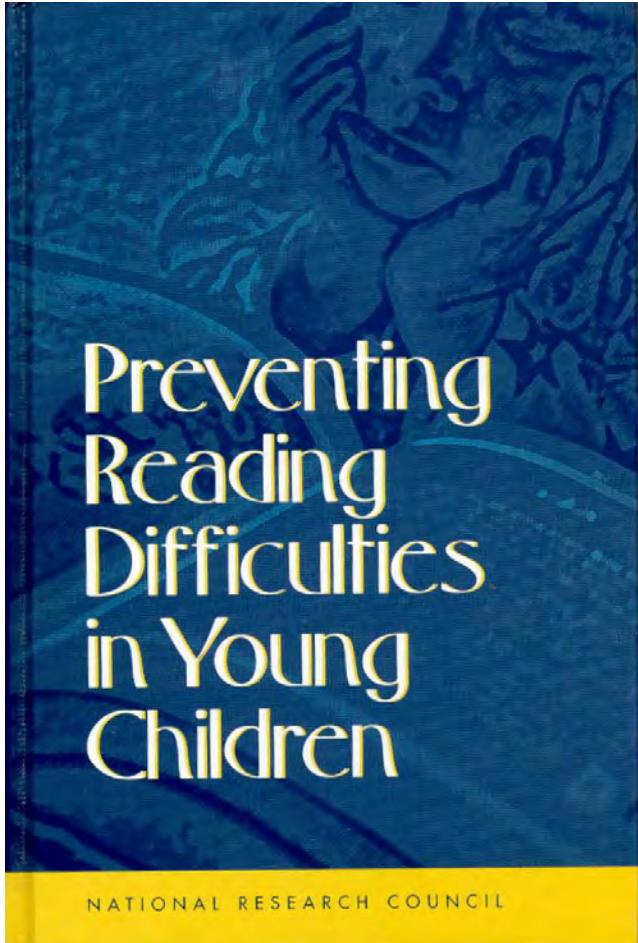
Generate a comparison based on character traits

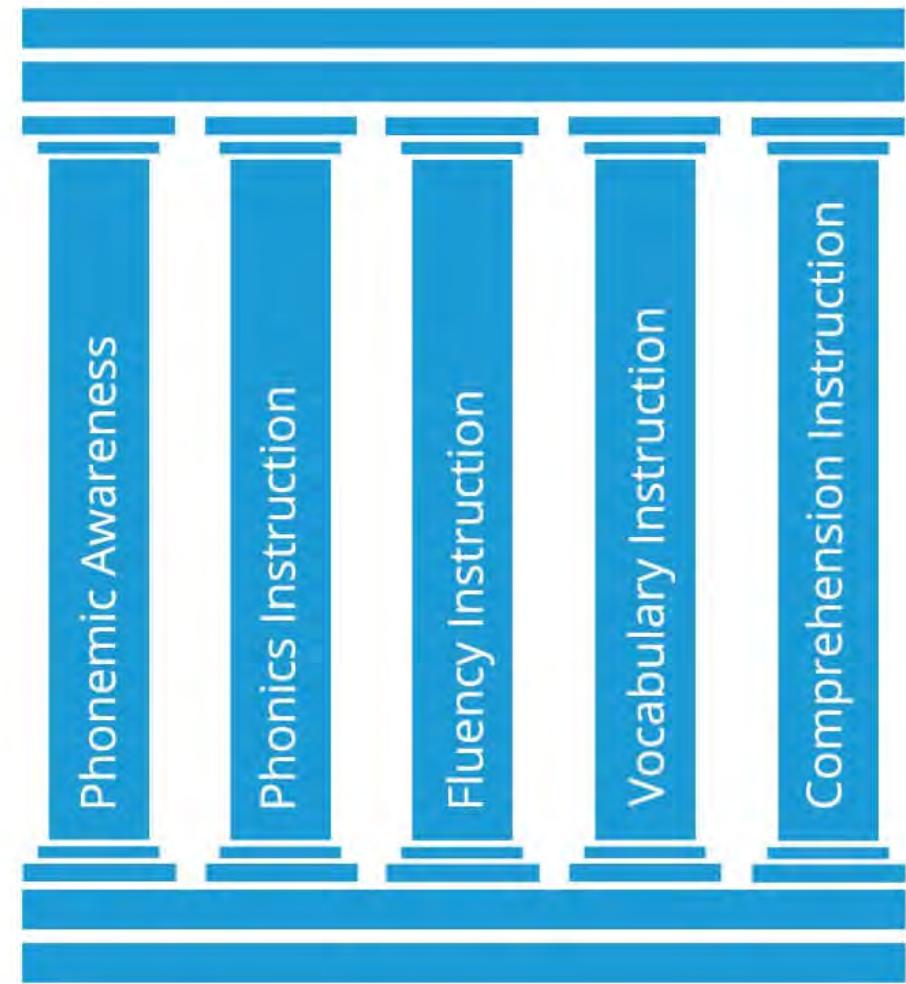
Use story details to support opinion about fictional character

Make inference to identify character motivation

<https://www.nationsreportcard.gov/>

Influential Reports on Reading



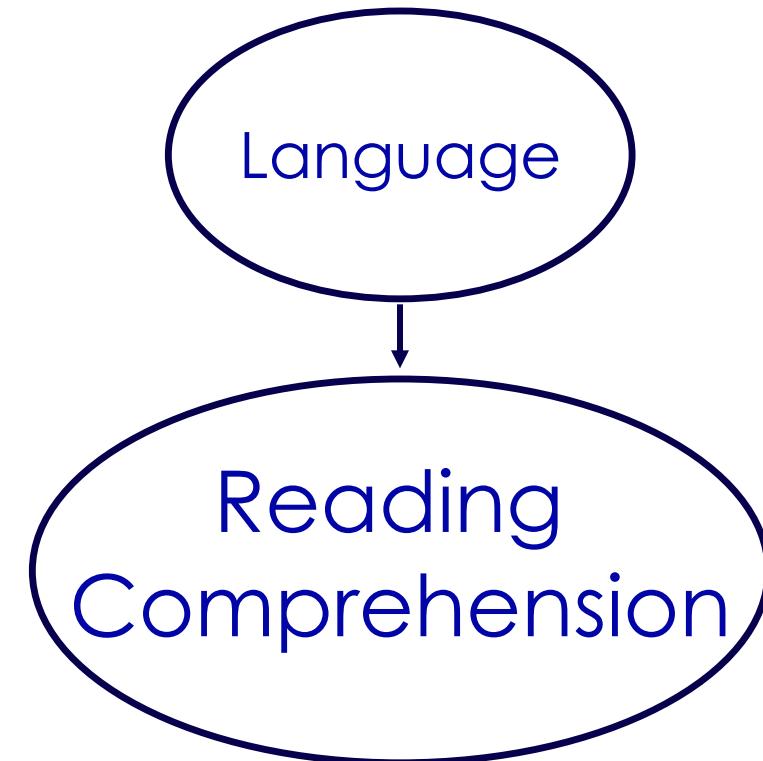


Why do we read?

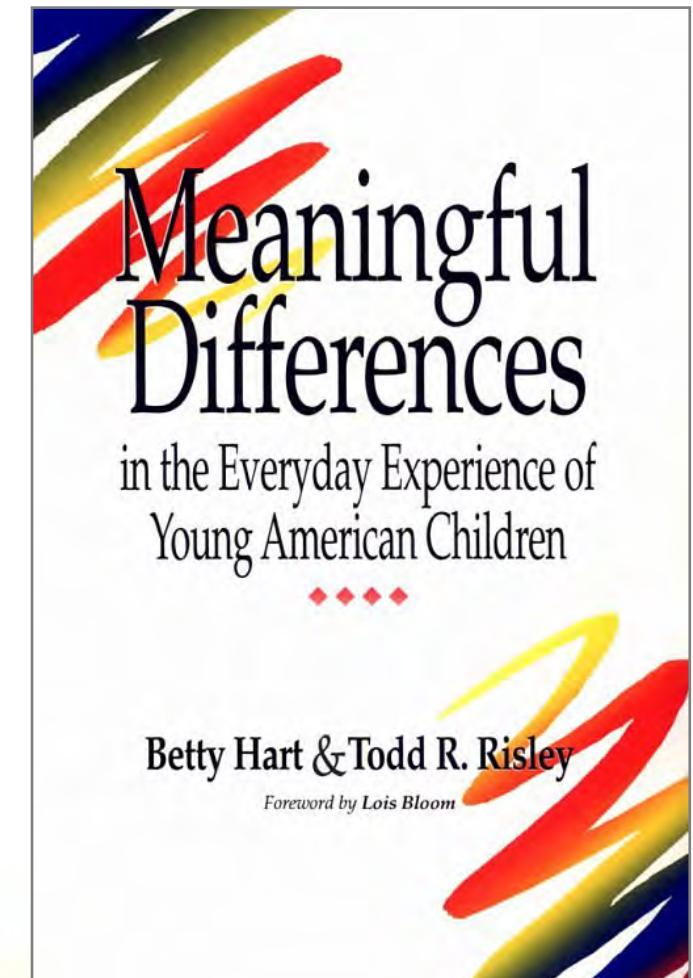
Reading
Comprehension

OK, so comprehension is
the reason for reading,
but...

What influences reading comprehension?



Language



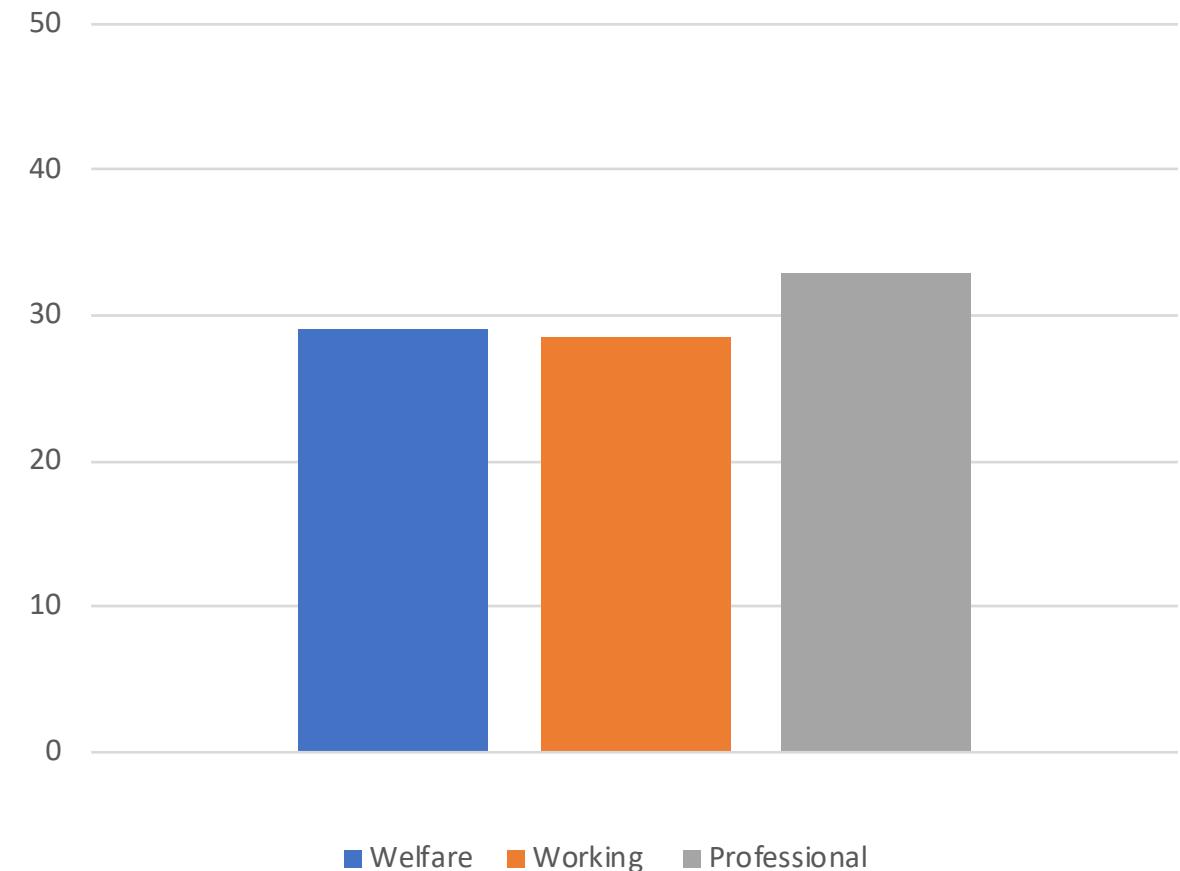
Hart and Risley (1995) conducted a longitudinal study of children and families from three groups:



- Professional families
- Working-class families
- Families on welfare

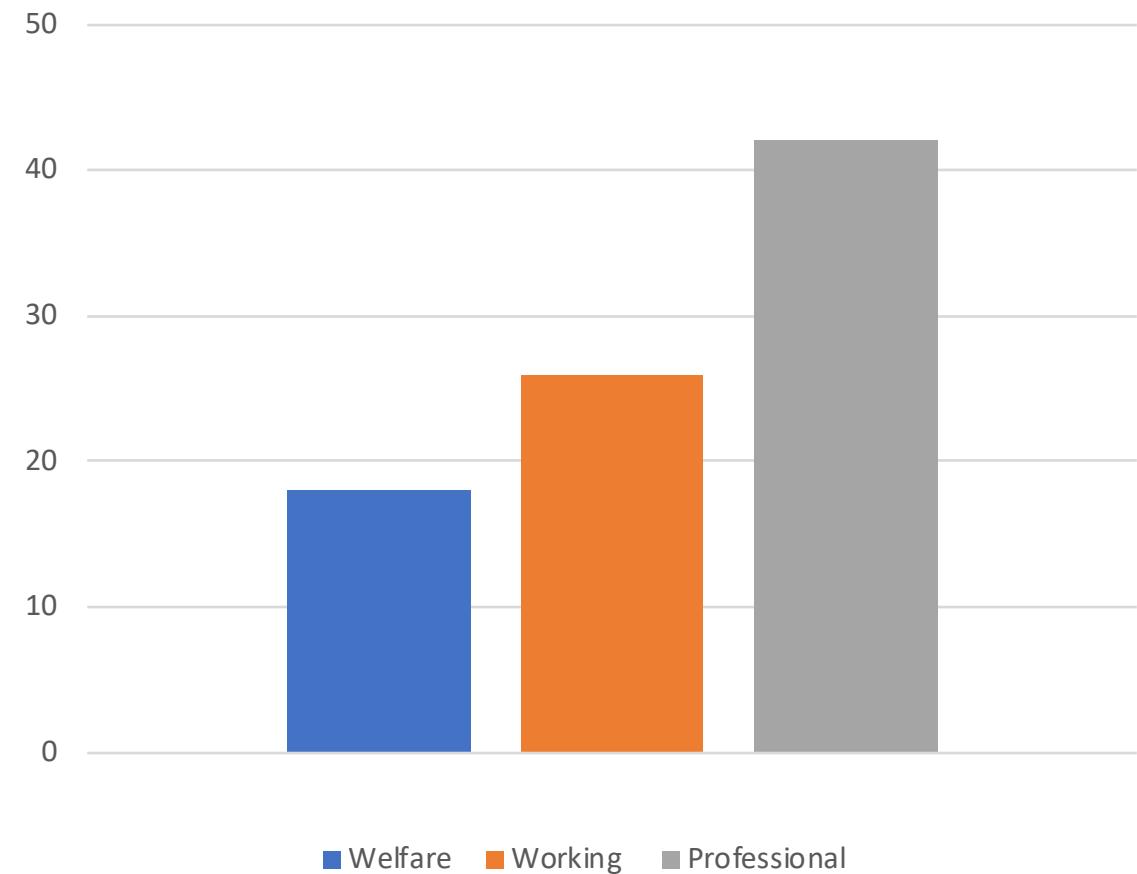
Interactions

Hart & Risley compared the mean number of interactions initiated per hour in each of the three groups.



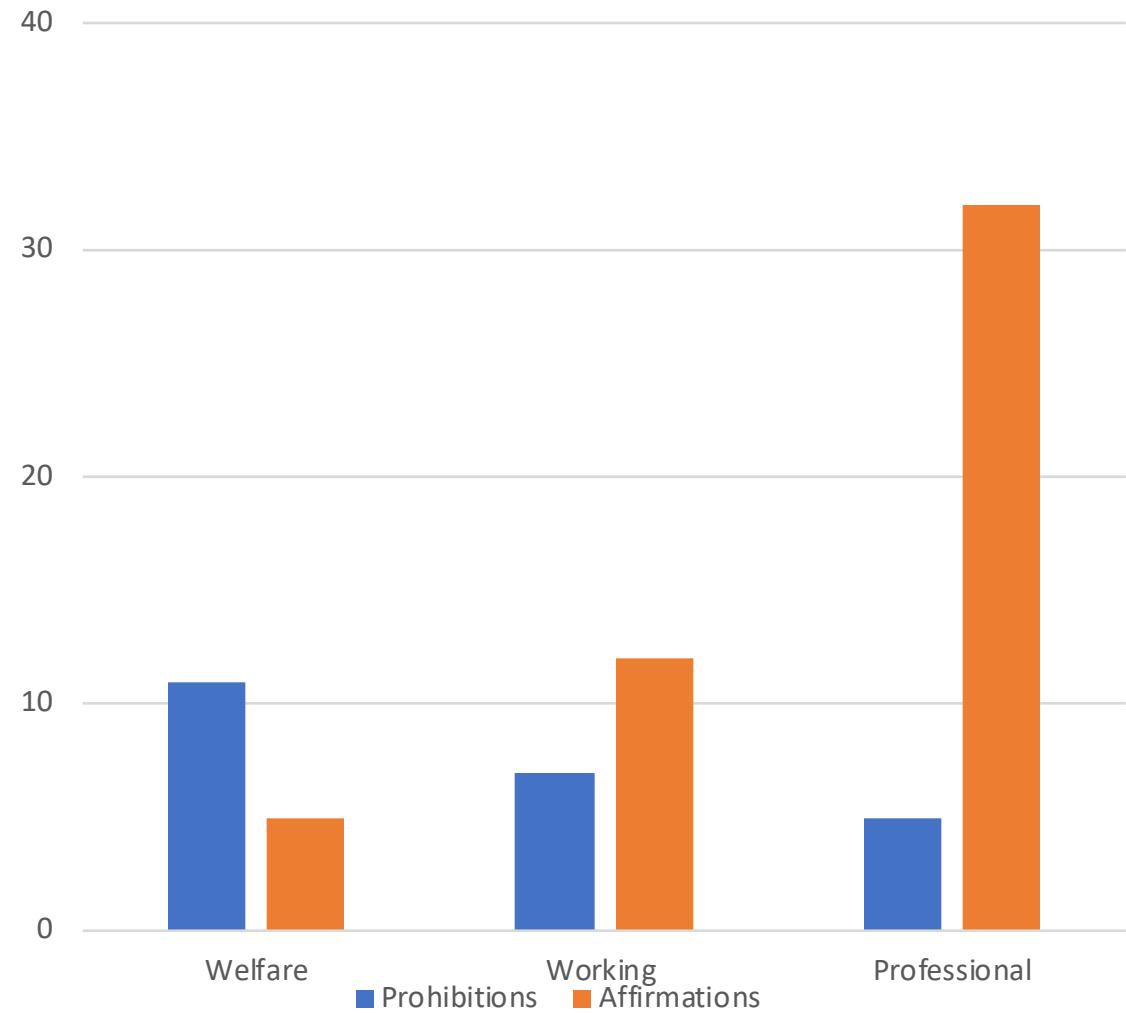
Interactions

Hart & Risley also compared the mean number of minutes of interaction per hour in the three groups.



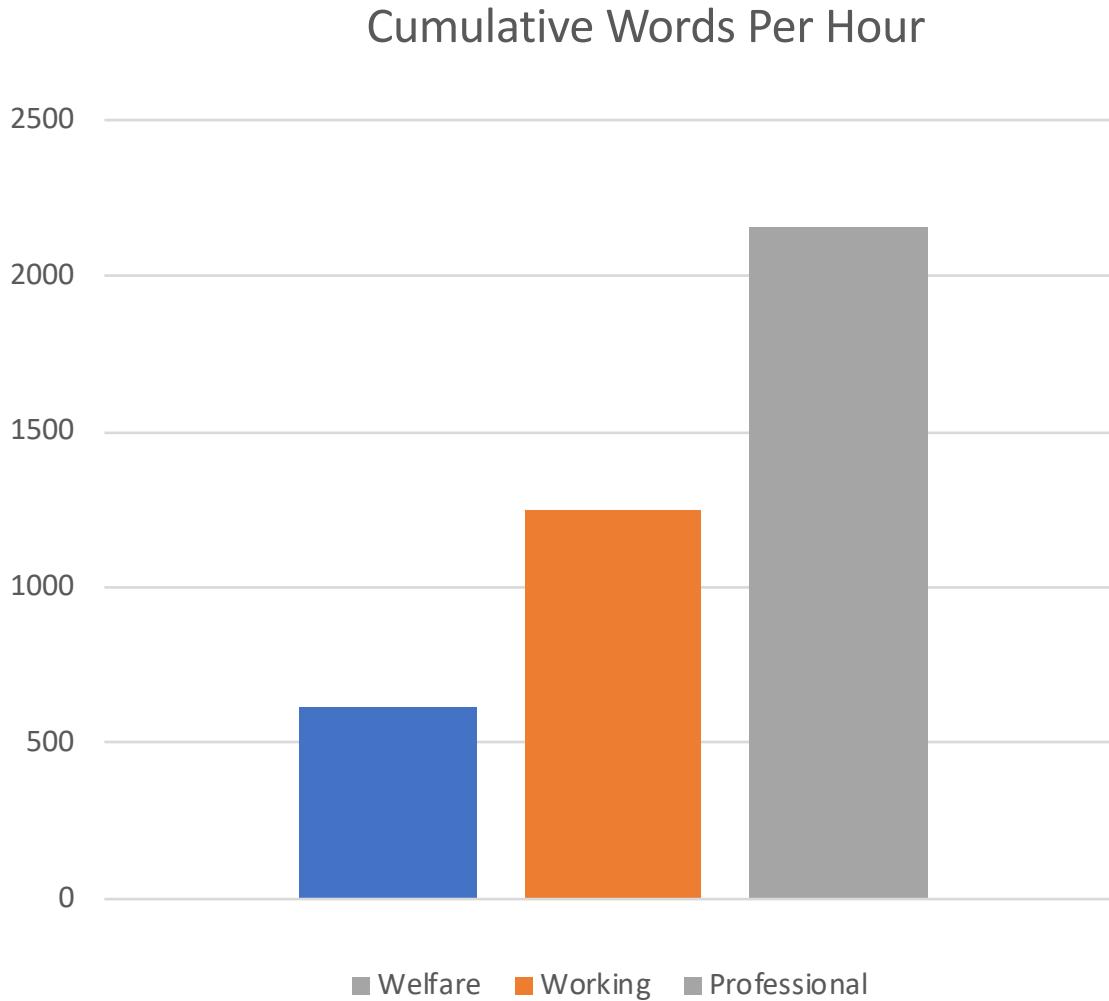
Interactions

Perhaps most striking were the differences in quality of interaction, when the affirmations vs. prohibitions per hour were compared.

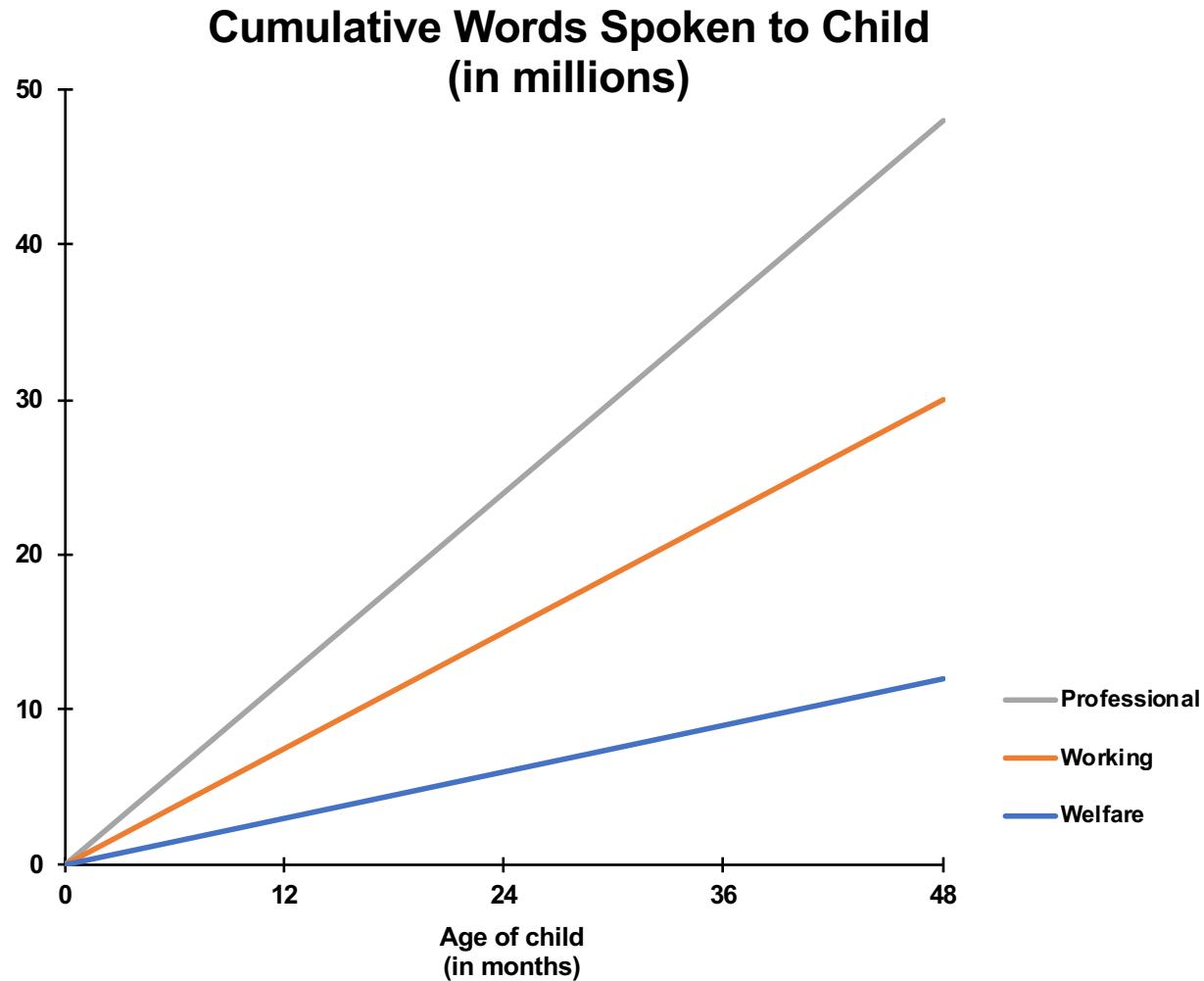


Cumulative Language Experiences

These differences in experiences with language accumulate over time.



Cumulative Language Experiences



The Matthew Effects in Reading

Stanovich, 1986



The Matthew Effects in Reading

Stanovich, 1986



Relationship between PPVT scores in K and later reading comprehension

End of Grade 1 → .45

End of Grade 4 → .62

End of Grade 7 → .69

The relationship of vocabulary to reading comprehension gets stronger as reading material becomes more complex.

Snow, 2002



apple, red, big, round, eat ..



What was the
movie about?

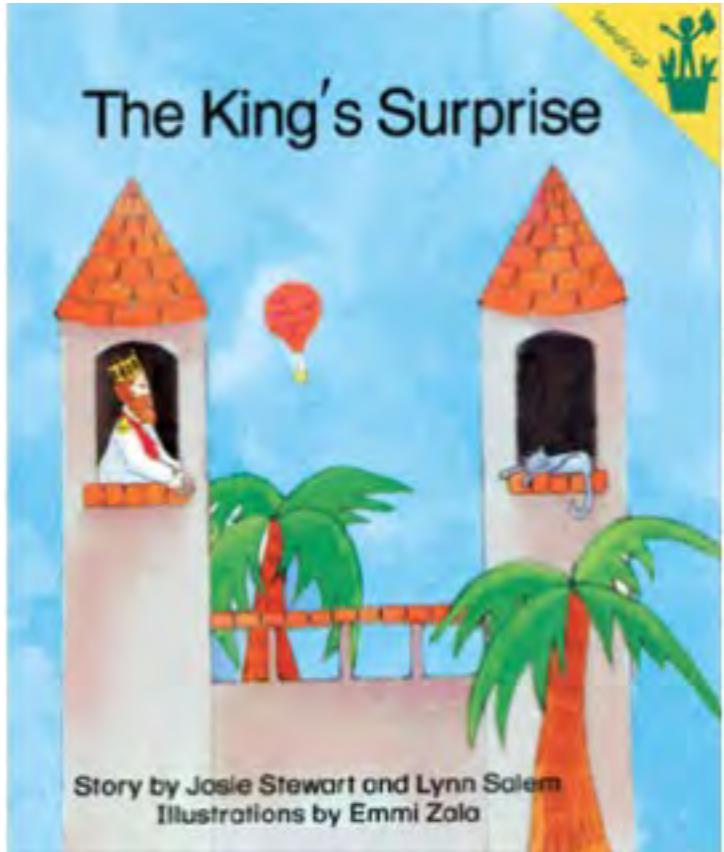
Well...
first there was
a monster.
And then...



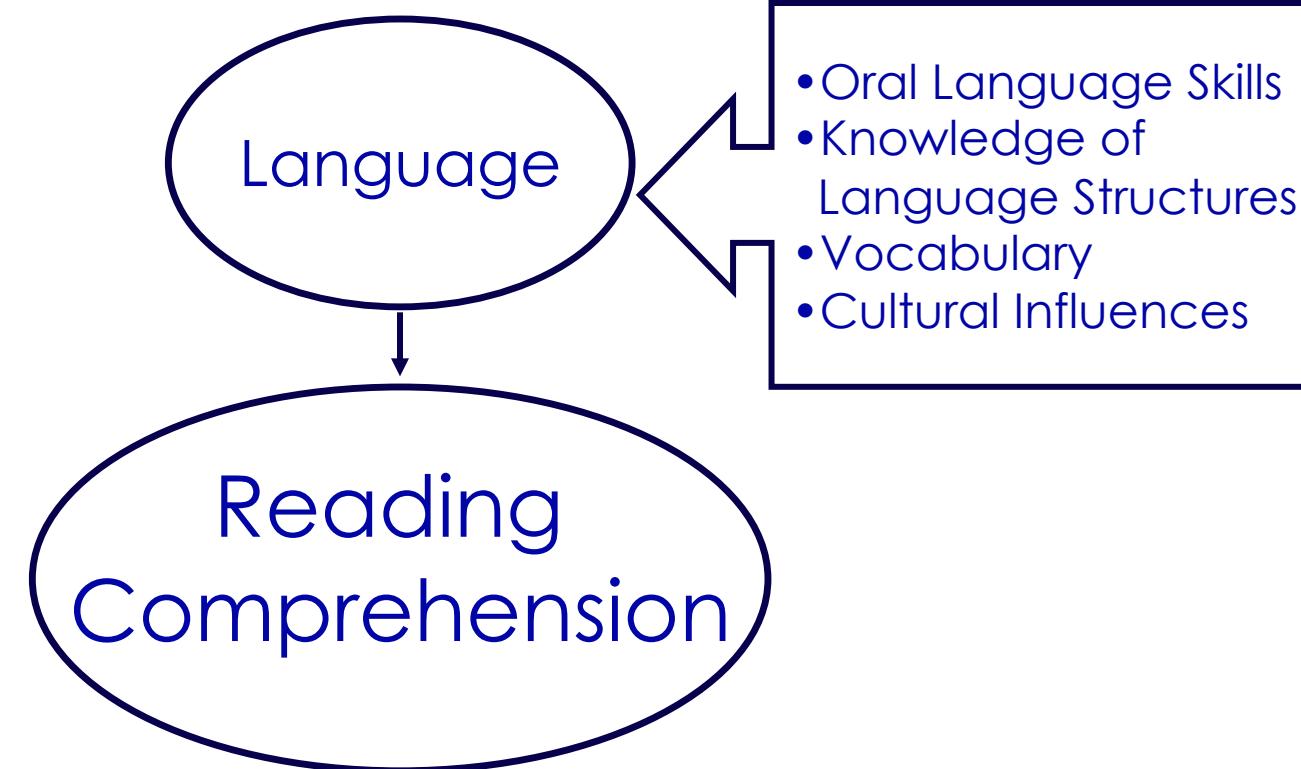
Listen to this
one!
Where does a
snowman keep
his money?

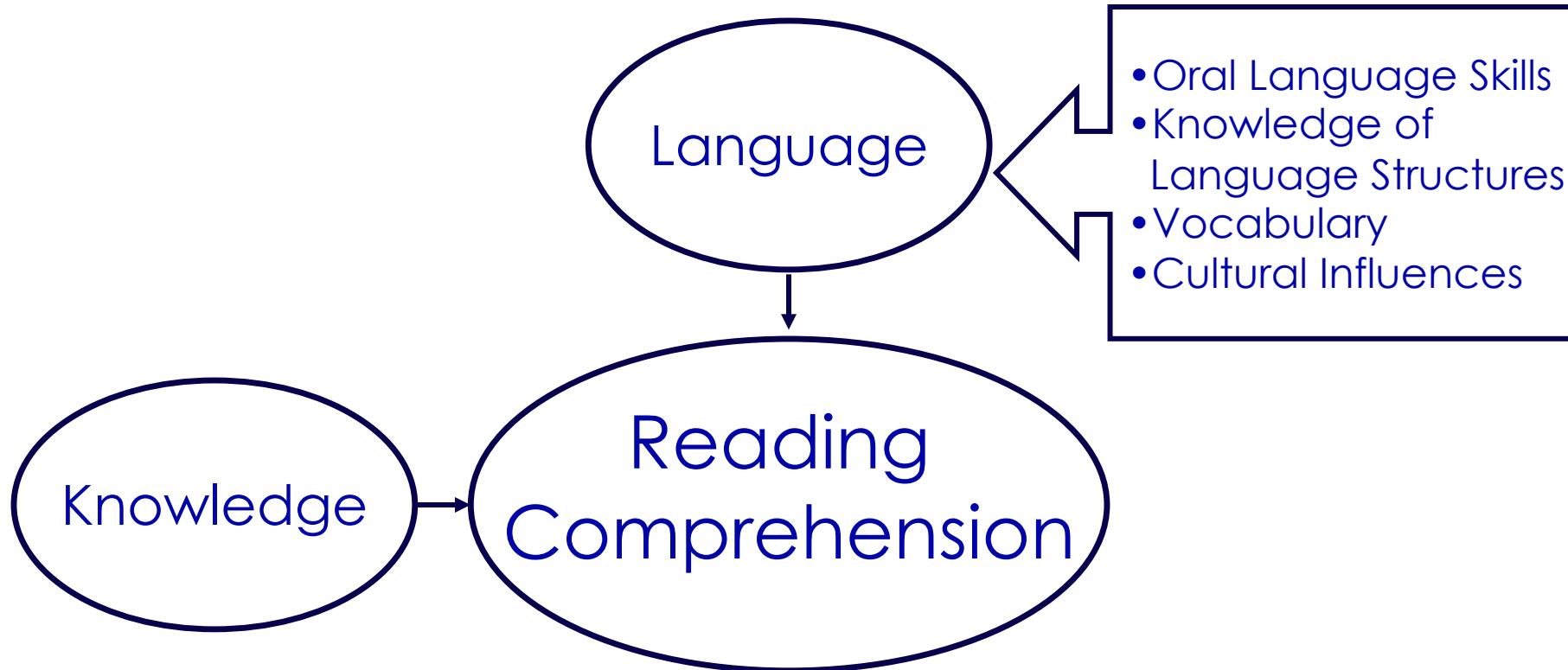
In an
igloo?

No!
A snow
bank!



Surprise parties?
Birthdays?
Fireworks?
Fourth of July?







INDONESIA

TIMOR SEA

INDIAN OCEAN

OCEAN

Barrow Island

Lake Disappointment

ezilon.com

.com

A U S T R A L I A

SOUTHERN OCEAN

0 km 200 400 600 km

Melville Island
Croker Island
Wessel Islands

Darwin

Joseph Bonaparte Gulf

Lake Argyle

Lake Mackay

Lake Amadeus

Lake Eyre

Lake Eyre -North

Lake Eyre -South

Lake Torrens

Lake Gardner

Lake Barlee

Lake Cowan

Great Australian Bight

Kangaroo Island

Spencer Gulf

Murray

Perth

Kalgoorlie

Gulf of Carpentaria

Groote Eylandt

Wellesley Islands

Cairns

Townsville

Rockhampton

Fraser

Brisbane

Gold Coast

TASMAN

SEA

Dumaresq

Darling

Broken Hill

Newcastle

Wyong

Sydney

CANBERRA

Albury

Lachlan

Murrumbidgee

Murray

Wollongong

Adelaide

Geelong

Melbourne

Frankston

TASMAN SEA

Tasmania

Hobart

PAPUA NEW GUINEA

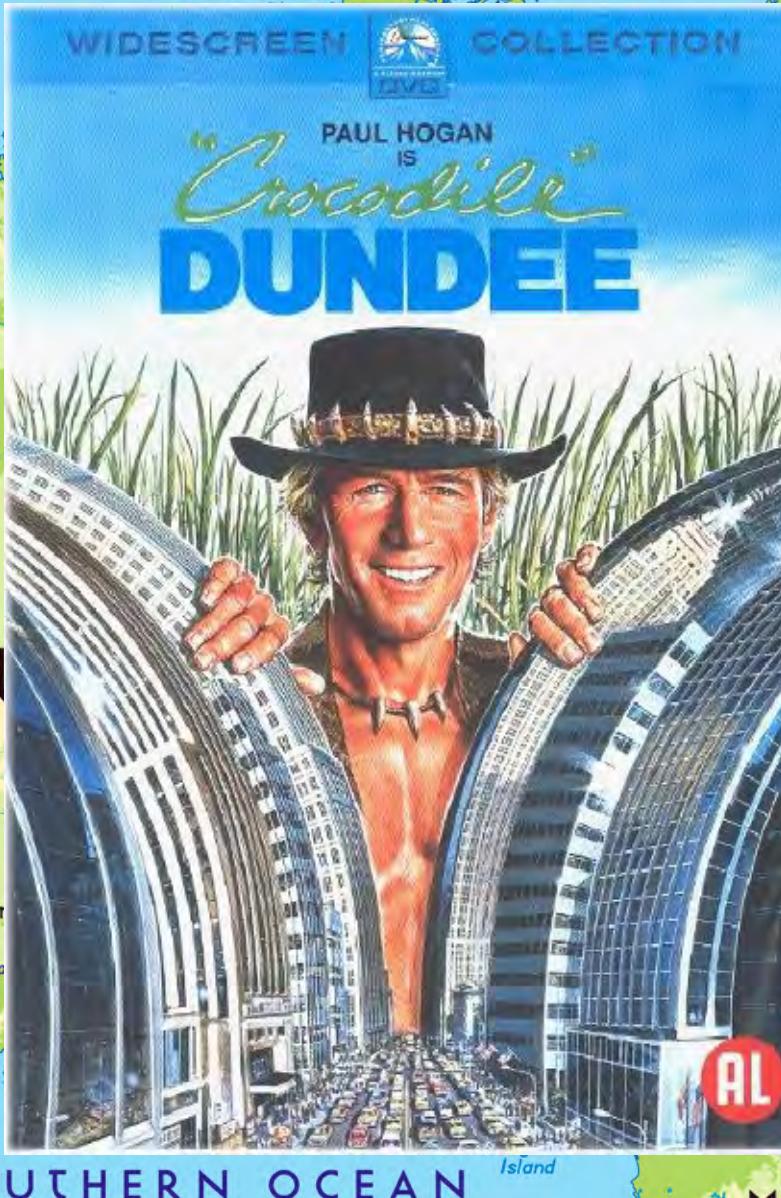
SOLOMON SEA

PORT MORESBY

CORAL SEA







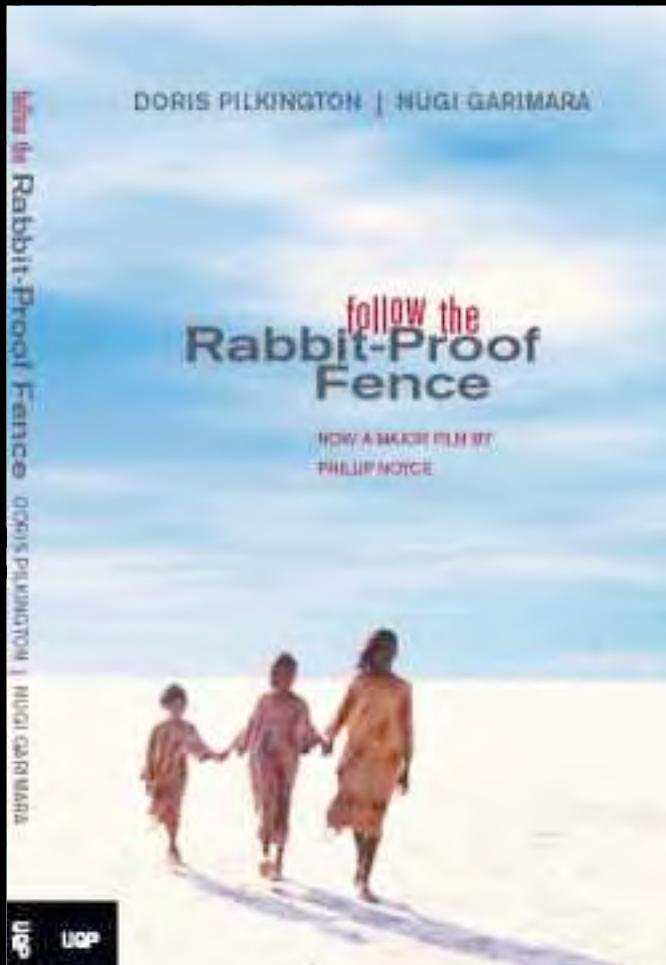


INDIAN

OCEAN



TIMOR SEA



PAPUA NEW GUINEA

SOLOMON SEA

PORT MORESBY

CORAL SEA





INDONESIA

TIMOR SEA

Melville Island
Croker Island
Wessel Islands
Balhuris Island
Dampier

INDIAN OCEAN

OCEAN

Barrow Island
Lake Disappointment
A
Vlck Hartog Island
Lake Barlee
Kalgoorlie
Perth

0 km 200 400 600 km

SOUTHERN OCEAN

PAPUA NEW GUINEA

SOLOMON SEA

PORT MORESBY

CORAL SEA

Cairns

Townsville

Rockhampton

Brisbane
Gold Coast

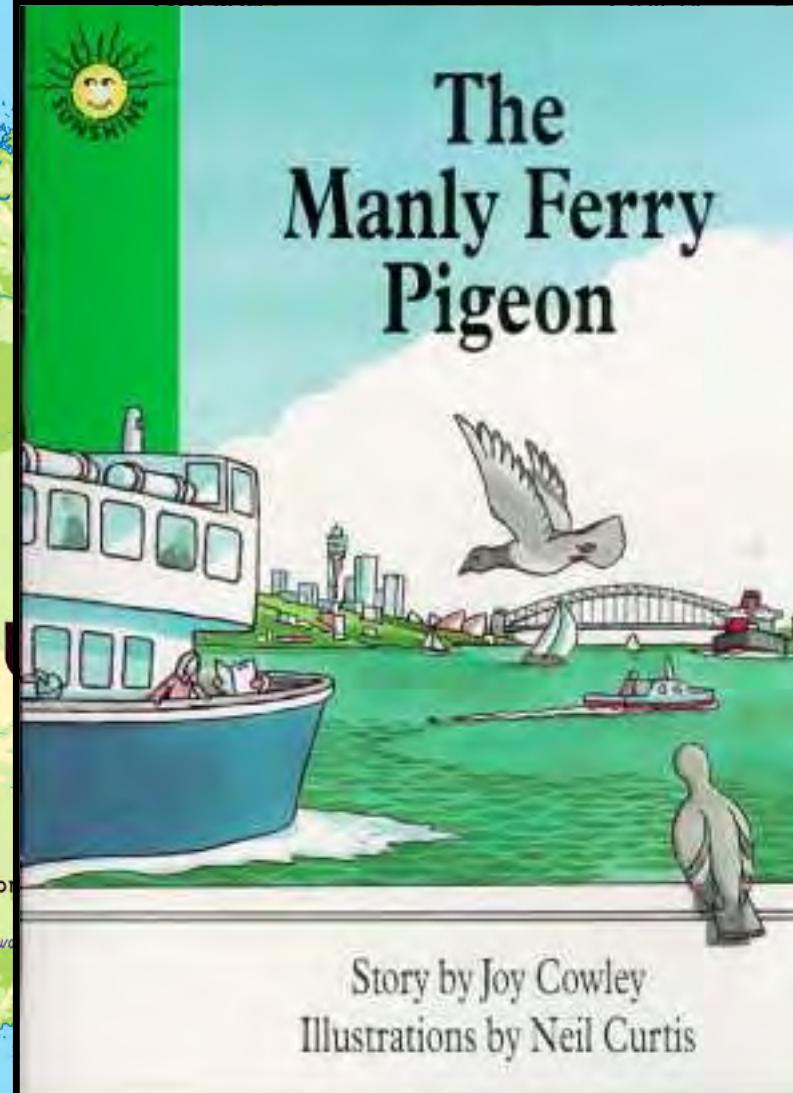
TASMAN SEA

SEA

CANBERRA

Melbourne
Geelong
Frankston

Melbourne
King Island
Bass Strait
Furneaux Group
Hobart
Tasmania



Sum of Squares and Cross Products

In the univariate analysis of variance, the total sum of squares of the dependent variable is partitioned into two components: pooled within-groups sum of squares and between-groups sum of squares. With multiple dependent variables it is, of course, possible to calculate the within and between sums of squares for each of them. In addition, the total sum of cross products between any two variables can be partitioned into pooled within-groups sum of products and between-groups sum of products.

The Role of Automaticity

Automaticity is an inherent component of fluency. It involves the ability to identify letters, letter patterns, and isolated words accurately and quickly. Fluency integrates automatic word identification with the application of intonation, rhythm or prosody, and phrasing at the text level. Automatic and fluent reading enhances effective reading comprehension. Fluency frees the reader's attention and cognitive resources to focus on the meaning of the text and allows for more efficient application of higher order thinking skills.

The procedure is actually quite simple. First, you arrange things into different groups. Of course, one pile may be sufficient depending on how much there is to do. If you have to go somewhere else due to lack of facilities that is the next step, otherwise you are pretty well set. It is important not to overdo things. That is, it is better to do too few things at once than too many. In the short run, this may not seem important, but complications can easily arise. A mistake can be expensive as well. After the procedure is completed, one arranges the materials into different groups again. Then they can be put into their appropriate places. Eventually, they will be used once more and the whole cycle will have to be repeated. At first, the whole procedure will seem complicated. Soon, however, it will become just another fact of life. It is difficult to foresee any end to the necessity for this task in the immediate future, but then one can never tell.

Doing the Laundry

The procedure is actually quite simple. First, you arrange things into different groups. Of course, one pile may be sufficient depending on how much there is to do. If you have to go somewhere else due to lack of facilities that is the next step, otherwise you are pretty well set. It is important not to overdo things. That is, it is better to do too few things at once than too many. In the short run, this may not seem important, but complications can easily arise. A mistake can be expensive as well. After the procedure is completed, one arranges the materials into different groups again. Then they can be put into their appropriate places. Eventually, they will be used once more and the whole cycle will have to be repeated. At first, the whole procedure will seem complicated. Soon, however, it will become just another fact of life. It is difficult to foresee any end to the necessity for this task in the immediate future, but then one can never tell.



Tuna Noodle Casserole

Ingredients

- 2 cans tuna in water
- 1 can early peas
- 1 can cream of mushroom soup
- 1 cup water
- 1 12-oz package egg noodles
- salt and pepper to taste

Directions

Preheat oven to 350 degrees. Combine tuna, peas, and soup in mixing bowl. Add water and stir. Place noodles in a deep 2-quart casserole dish. Pour tuna mixture over noodles and stir. Bake at 350 degrees for 35-40 minutes. Remove from oven and stir. Let sit for five minutes before serving. Serves 2-4.

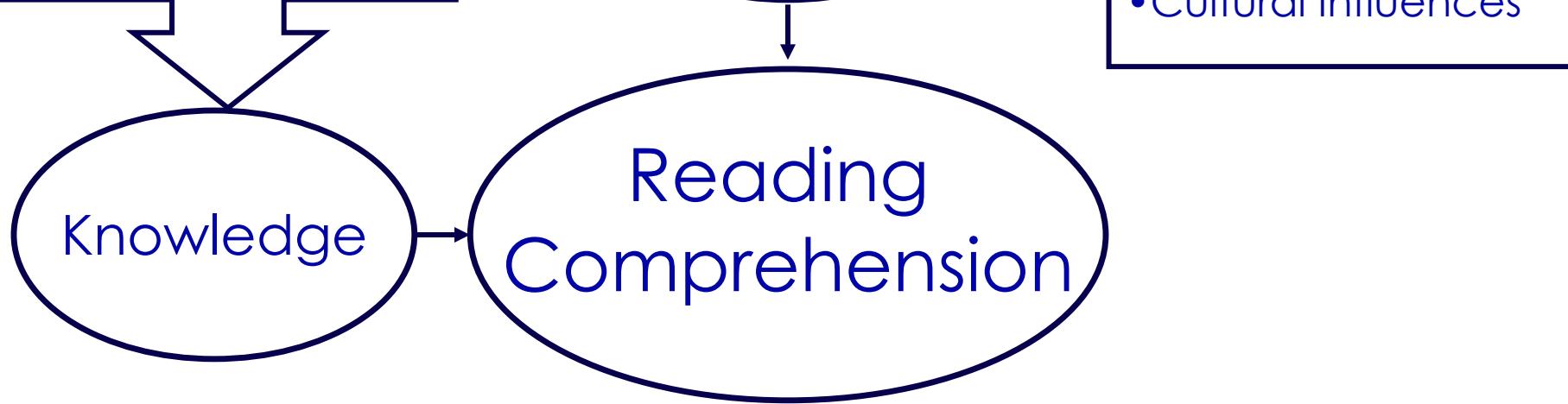
- Life Experience
- Content Knowledge
- Activation of Prior Knowledge
- Knowledge about Texts

Language

- Oral Language Skills
- Knowledge of Language Structures
- Vocabulary
- Cultural Influences

Knowledge

Reading
Comprehension



- Life Experience
- Content Knowledge
- Activation of Prior Knowledge
- Knowledge about Texts

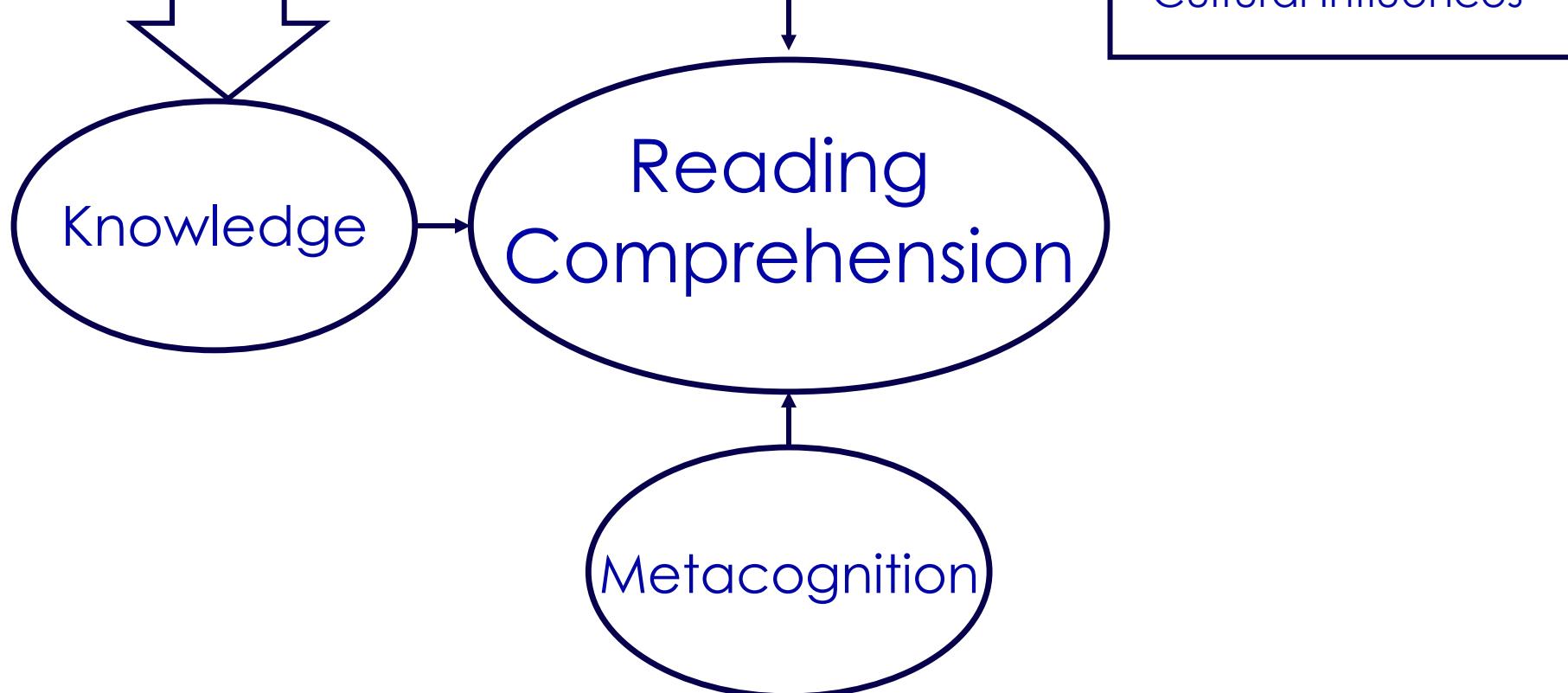
Language

- Oral Language Skills
- Knowledge of Language Structures
- Vocabulary
- Cultural Influences

Knowledge

Reading
Comprehension

Metacognition



Engagement?



Motivation?



Britain Wins North America

1750

1770

1790

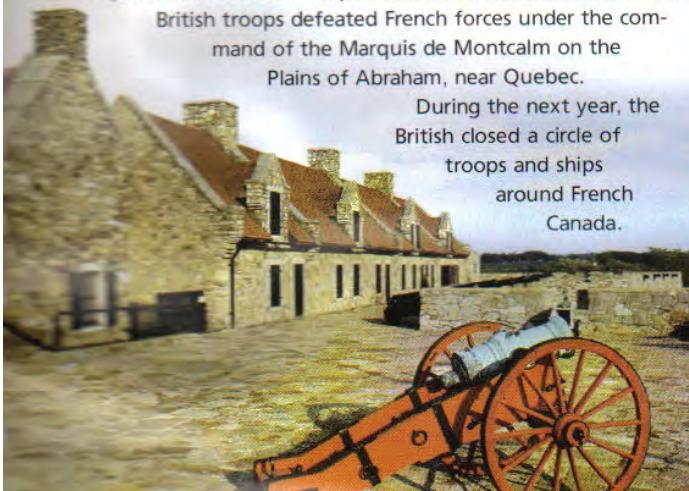
1758–1763

For the first two years of fighting, the French and Indian War had been only a North American conflict. In 1756, however, it became a world war, known as the Seven Years War, with battles fought in Europe and Asia, as well as in North America. To win the war, William Pitt, Britain's new leader of Parliament, decided to focus on North America. He sent more troops and more supplies there and eventually turned the war in Britain's favor.

The British Road to Victory

In 1758 the British captured three French forts—Duquesne at the Forks of the Ohio River, and Louisbourg and Frontenac, in what is now Canada. The following year they took forts at Crown Point, Niagara, and Ticonderoga in present-day New York. The British also attacked French forces near the city of Quebec in Canada. In September 1759 General James Wolfe's British troops defeated French forces under the command of the Marquis de Montcalm on the Plains of Abraham, near Quebec.

During the next year, the British closed a circle of troops and ships around French Canada.



LESSON

2

Focus Skill

CAUSE AND EFFECT

As you read, look for causes and effects of the disagreements between British leaders and colonists.

BIG IDEA

Britain refused to allow colonists to settle on its newly won lands.

VOCABULARY

proclamation
bill of rights
pioneer
gap

William Pitt's leadership helped the British win many battles against the French, including the one at Fort Ticonderoga (left).



Who Controls Your DNA?



When the U.S. Department of Defense issued an order that required personnel to submit DNA samples, two Marines refused. The Department of Defense explained its need for a DNA database by citing the unidentified remains of many soldiers decades after the end of the Vietnam War. A database would speed such efforts in the future, they argued.

up more than 200 cases of discrimination because of genes individuals carried or were suspected of carrying. Employers with DNA information might use it to discriminate against workers who carry genes they suspect might cause medical or behavioral problems. Individuals must have the right to control their own DNA and to withhold samples from such databases.

You Decide

1. Defining the Issue What are the major issues regarding DNA databases?

2. Analyzing the Viewpoints Are there any circumstances in which an employer might be justified in demanding DNA samples from its employees? Why might an employee wish to withhold such samples?

3. Forming Your Opinion Should the control of DNA databases be a matter of law, or should it be a matter to be negotiated between people and their employers and insurance companies?

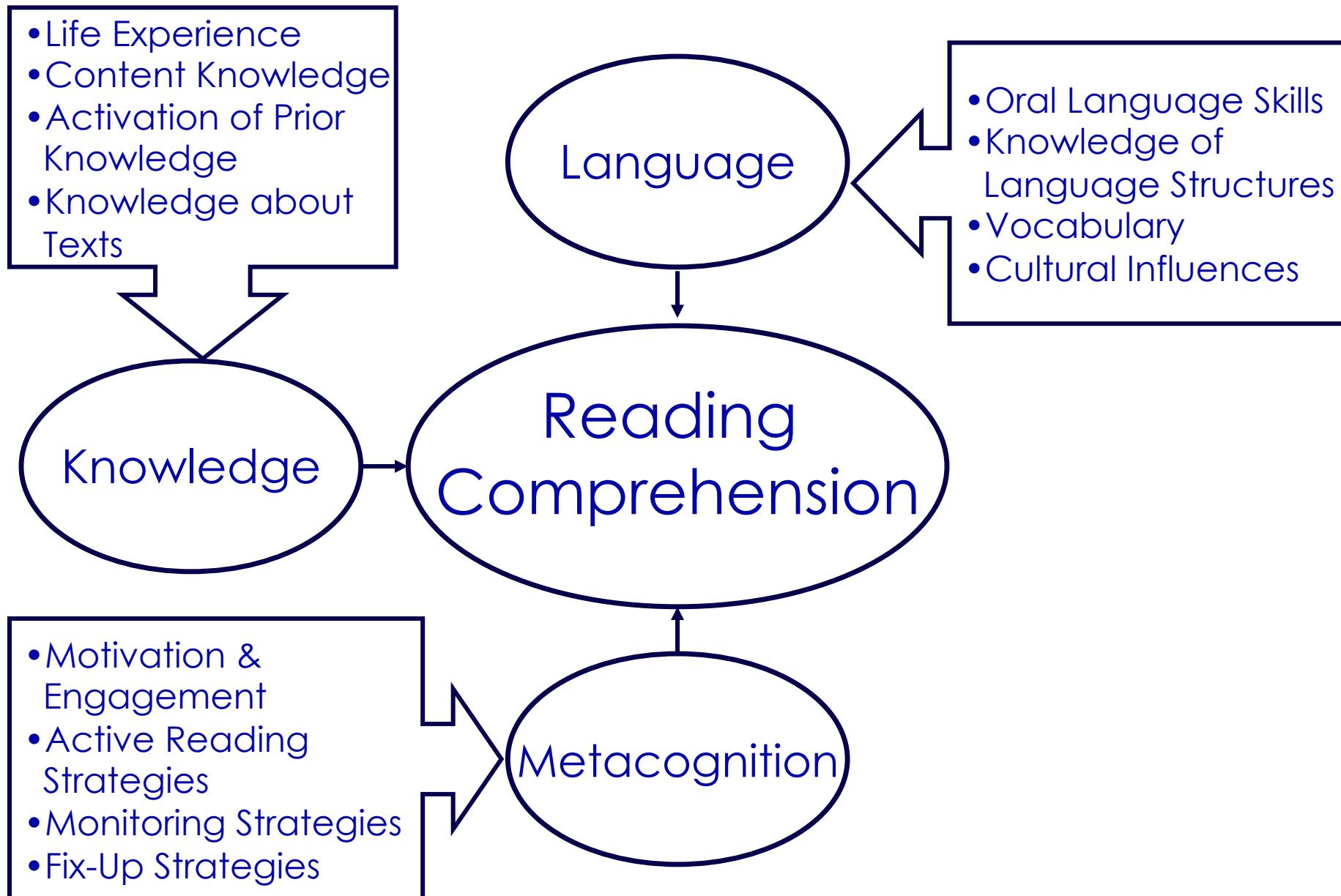
4. Persuasive Speaking Suppose you were a doctor working as a consultant to a health insurance company. The insurance company is trying to decide whether to test adults for cystic fibrosis alleles before agreeing to insure their families. What advice would you give to the company about this?

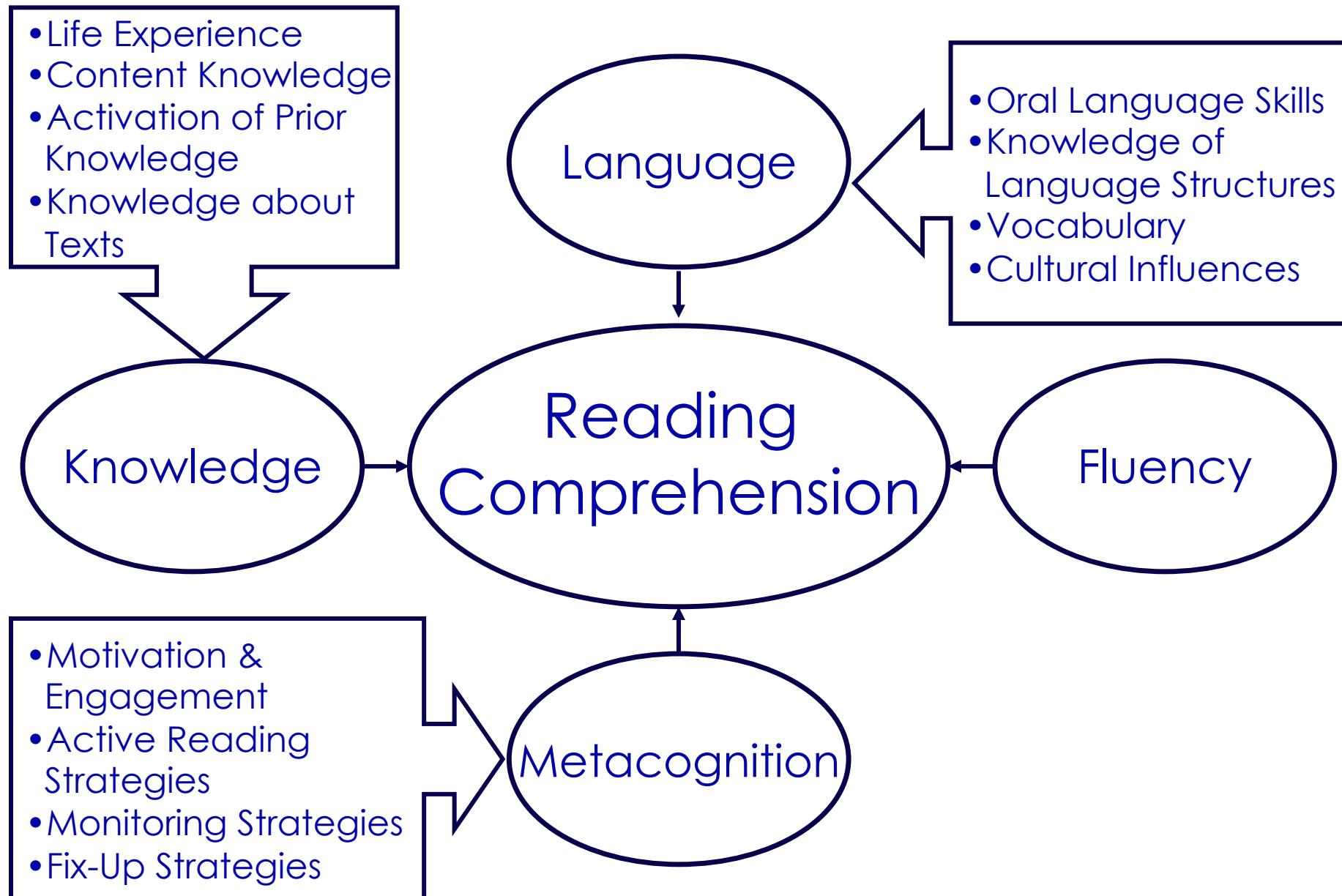
To find out about military uses of DNA, view the videotape "Coming Home: A Nation's Pledge."



Sum of Squares and Cross Products

In the univariate analysis of variance, the total sum of squares of the dependent variable is partitioned into two components: pooled within-groups sum of squares and between-groups sum of squares. With multiple dependent variables it is, of course, possible to calculate the within and between sums of squares for each of them. In addition, the total sum of cross products between any two variables can be partitioned into pooled within-groups sum of products and between-groups sum of products.





Why is reading fluency important?

→ More fluent readers focus their attention on making connections among the ideas in the text and between these ideas and their prior knowledge. Therefore, they are able to focus on comprehending the text.

→ Less fluent readers must focus their attention primarily on decoding individual words. Therefore, they have little attention left for comprehending the text (National Reading Panel, 2000).

Reading Fluency

Accuracy
Automaticity
Prosody

What is required for
fluent reading?

Decoding Skills

- The ability to convert print to speech
 - ✓ Recognizing letter-sound correspondences
 - ✓ Blending sounds together to form words
- Most students require explicit, systematic instruction in phonics to develop decoding skills.

Understanding of the Alphabetic Principle

- Children must develop the fundamental insight that letters and sounds work together in systematic ways to form words.
- This understanding provides the foundation for the development of decoding skills.

S + U + H =



Phonological Awareness

- The conscious awareness of or sensitivity to the sound structure of language.
- Includes the ability to detect, match, blend, segment, or otherwise manipulate the sounds in spoken language.



