

In this presentation

• Oral language and oral language competence



- Spoken Vs written language
- Spoken vs written language
- Discourse level skills
- Vocabulary and the lexical bar
- English orthography
- Frameworks for thinking about reading
- Orthographic mapping
- The importance of knowledgeable teachers and support staff

1

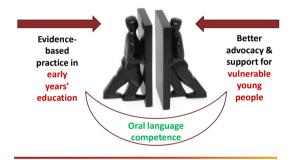
2

4

6

Oral language = engine. Instruction = Fuel in the tank High-quality instruction fuel pump fuel injectors fuel lines

Knowing about language matters across the entire curriculum



3

ORAL LANGUAGE?





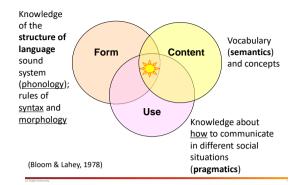
ORAL LANGUAGE?

Everyday <u>talking</u> (expressive) and <u>listening</u> (receptive / comprehension) skills and the <u>mental representations</u> that sit behind them



5

Language consists of many component skills



"Language is a dynamic human creation and, thus, inherently a bit of a mess".

(McKeown, 2019, p. 467)



7 8

Language entails both surface (literal) and deep (non-literal or figurative) meanings



Metaphors in written text

Well, you keep away from her, cause she's a rat-trap if I ever seen one. Of Mice and Men, John Steinbeck

The past is a foreign country. They do things differently there. The Go-Between. L.P. Hartley.

The sun was a toddler insistently refusing to go to bed: It was past eight thirty and still light. The Fault in Our Stars, John Green

Memories are bullets. Some whiz by and only spook you. Others tear you open and leave you in pieces. Kill the Dead, Richard Kadrey

9 10

Fast Forward: Inferencing in reading

Jane was annoyed. How many times did she need to remind her adolescent children about the importance of locking the house before going out? She knew one of the first questions the police would ask would be whether she was insured. Now that was going to be a fun conversation with Brad - if he would even answer her call.

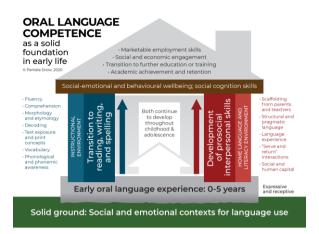
What hypotheses have you formed about information not directly stated?

Some possible inferences: to be noted and tested by a skilled reader

- Jane has been burgled
- > She has teenage children who sometimes don't lock the house properly when they go out
- She has been addressed this with them previously
- Her insurance is possibly not up to date
- Her husband/partner is probably someone called Brad
- Jane and Brad may not be on very god terms at the moment

11





Language consists of......

Sounds – the first thing that babies can produce:

 Crying, squealing, cooing, babbling – all are communicative (serve and return)

Words & word parts

Phrases

Sentences

Connected talk (discourse):

- √ Conversations
- ✓ Narratives (stories)
- ✓ Explaining things
 - procedures (how to....), rules
 - teaching about topics (e.g. planets)

13 14

Language has many layers

- Structural / Literal
- Figurative / Non-literal
- Discourse
- Metalinguistic
- Pragmatics

All are relevant to the transition to literacy and ongoing achievement of competency in reading, writing, and spelling.



There are large population-level differences in children's pre-school language exposure as a function of SES.

BUT

Not all low SES families provide linguistically undernourishing environments

Not all high SES families provide linguistically enriched environments

Language skills are related to human and social capital, not just economic capital



15 16

Language is a paradox

Humans have evolved a special facility for oral language

(a "language instinct"), such that it is innate **BUT**

It is highly vulnerable to a range of <u>developmental conditions</u>,
 e.g. hearing impairment, intellectual disability, autism spectrum disorders, brain injury;

o It is highly sensitive to environmental exposure.



SES-based language differences in pre/early-school years mean that instructional approaches and interventions need to accelerate, not just promote early language and literacy skills if children are to succeed academically

(Roy & Chiat, 2013)



17 18



Oral language Vs written language: Same, same but different

Oral language

- Often interactive (co-constructed)
- Contains pauses, hesitations, dysfluencies; false starts
- Constrained by social conventions (pragmatic rules)
- Degree of formality varies
- Punctuation implied by prosodic contour
- Conversational partners try to promote mutual understanding / communication success



19

20

Oral language Vs written language: Same, same but different

Written language

- Typically more formal but this varies according to genre
- Pauses, hesitations, dysfluencies, false starts removed (unless in quotes)
- Syntactic complexity may be greater than spoken language
- Contains punctuation to aid with understanding
- Spelling and grammar can change meaning





The transition to literacy....

- •Is not biologically primary ('natural') requires specific and prolonged instruction;
- Reading is a very <u>recent development</u> in evolutionary terms (about 6000 years).
- Builds directly on oral language competencies acquired before school entry;
- Requires explicit instruction
- Promotes
- ✓academic achievement,
- \checkmark school attachment and retention,
- ✓ positive self esteem
- •An important protective factor

21

22

A word about English orthography

- English has a history of being a bower bird
 - > Wars, trade, politics, plagues, and religion have all resulted in the appropriation of words from other languages
- When early scribes first started writing language down, there was little uniformity in how they chose to represent sounds (phonemes) using letters (graphemes)
- Today, English has a <u>semi-transparent orthography</u>
- It is rule-governed, not "random"
- Knowledge of morphology and etymology helps to de-mystify orthographic conventions
- De-emphasised in <u>teacher pre-service education</u> in recent decades

Unlocking reading comprehension: getting to the meaning treasure (Alison Clarke via Maria Murray)



THE SIMPLE VIEW OF READING (Gough & Tunmer, 1986)



GOOD
word recognition
POOR
comprehension

POOR
word recognition

POOR
word recognition

POOR
comprehension

POOR
comprehension

POOR
comprehension

Comprehension

POOR
comprehension

LANGUAGE COMPREHENSION

25 26

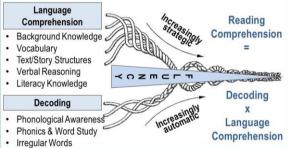
The Cognitive Foundations Framework

Figure 1 presents the overall Cognitive Foundations Framework. In presenting the Framework, we need to note two restrictions. First, the Framework is concerned with



Figure 1. The cognitive foundations framework Source. Graphic from Hoover and Tunmer (2019).

Reading Comprehension (RC = D x LC)
(based on Gough & Tunmer's Simple View of Reading & Scarborough's Reading Rope)



Reading comprehension is complex and increasingly develops over years of explicit and systematic instruction, practice, and application

28

Orthographic Mapping

Orthographic?

27

Ortho = correct, right

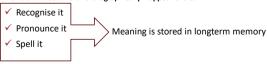
Graphic = pertaining to writing

Hence, "orthographic" = correct written representation of a word

The goal of progress in reading is for **all words to become sight words**, such that they are instantly and **automatically recognised**.

Explicit and systematic phonics instruction plays a role in this by reducing effort (**cognitive load**) and enabling **self-teaching** of new GPCs

When a child has a word "orthographically mapped" she can



Sight words?

Sight words are an **end-point** of effective instruction rather than a teaching input, with a small number of exceptions for high-frequency words that have GPC "irregularities", e.g.

the, some, my, was, of, said – to support early success with **decodable texts**

BUT – the structure of such words should still be discussed with and explained to children at a sublexical level.

How quickly can you learn these sight words?

\$00♦

9 1 Yo

& OM

d

PDOM

ФЩ**■**♦ •©Ж≏

**** [

31 3

How quickly can you learn these sight words?

Cat

Dog

Come

Go

Home

Went

Said They

32

ALL children need to learn to decode. Most need to be taught to do so very explicitly



1. English is a morphophonemic language



Children's mastery of language (and hence reading comprehension) is supported by early and ongoing vocabulary development

- Vocabulary = our store of words
- More words = more **background knowledge** to bring to conversations and later, to reading
- Vocabulary size promotes shades of meaning and shades of understanding
- Children need **repeated contextual exposure** to learn and retain new words
- Vocabulary is a strong predictor of reading success on school entry

33

On their own, oral language skills <u>do not</u> turn a good talker into a good reader





Oral language abilities

Reading abilities

35 36

Vocabulary growth: a closer look

Pre-school years

Mainly from **oral language** interactions: conversations, stories (spoken and being read to), song, rhyme

Context is vital – physical surroundings, activities, gesture, eye contact, pointing, intonation

Scaffolding from adults who monitor in real time whether child understands and explain/re-word etc.

Lots of repetition

Store of Tier 1 words is built this way

School years

Vocab expansion becomes more reliant on children's own reading

Everyday conversations do not provide enough opportunities for **Tier 2** vocab development

Writers convey meaning through words. It is not their job to explain what words mean.
Context is less helpful in discerning word meaning but is critical in teaching new vocab.

Children who are not reading are not being exposed to Tier 2 vocab and complex sentence structures = Matthew Effect

Reading Comprehension Requires Knowledge of Words and the World

Scientific Insights into the Fourth-Grade Slump and the Nation's Stagnant Comprehension Scores

By E. D. Hirsch, Jr.

with the obscures have made good progress in texture in global control to the control that is, turn print into speech sounds), it's disheartening that we still have not overcome the "fourth grade slump" in reading comprehension. We're finding that even though the var majority of our youngest readers can manage simple texts, many students—particularly those from low-income families—struggle when it comes time in grade four to uckle

To help these students, we must fully understand just where this "fourth-grade slump" comes from. The "slump" was the name that the great reading researcher Jeanne Chall used to describe the supercords under drope of herwere. study, see "The Fourth-Grade-Shung" on page 14.1 Left circle that drop off a supportunity handles because there is now good evidence that it is there, unmeasured, in earlier to prove the supportunity of the supportunity of the trees abrusting and indisportunged studence circle also inthing the supportunity of the supportunity of the support that the supportunity of the supportunity of the support of the supportunity of the supportunity of the support of the supportunity of the supportunity of the supportunity of development have been available. We now believe that such guestimate the supportunity of the supportunity of the supportunity of supportunity of the supportunity of t

https://www.aft.org/sites/default/files/periodicals/Hirsch.pdf

37

38

40

Why is vocabulary growth important?

- It promotes ability to engage in oral conversations of greater complexity and subtlety
- ✓ It enhances use and understanding of shades of meaning
- ✓ It increases the likelihood that written text will be understood and that reading itself will be seen as a worthwhile activity
- ✓It promotes academic achievement and better vocational outcomes
- √There is a lexical bar that needs to be crossed for academic success: the divide between spoken and written language

The lexical bar (David Corson, 1985)

"Language theorists in education have often overlooked a fact that experienced classroom teachers tacitly acknowledge in their daily practice: that it is the different ways children can and want to use words in schooling which is the measure of their language ability and the measure of much of their success potential in education".



39

Vocabulary Tiers: A conceptual framework*

Tier 1

The most **basic words**; learnt through <u>everyday oral conversations and experiences</u>, e.g. <u>come</u>, go, happy, sad, car, dog, home, hat, banana, tree, truck, sleep. <u>Repetition aids learning</u>.

Children from NESB or those with neurodisabilities may need some explicit instruction to support Tier 1.

Accounts for about 8000 words families

Tier 2

Common, high-frequency words used across a range of domains by mature language users. Important for <u>reading comprehension</u>. May have multiple meanings. Examples: <u>measure</u>, create, cooperate, establish, mainstay. Strong <u>overlap with general academic language</u>. <u>Less</u> <u>repetition</u>.

Teachers should <u>explicitly teach these words</u> as not all children will acquire them naturally Accounts for about 7.000 word families

Tier 3

Specialised vocabulary that is **subject-specific** and needs to be **taught**

*Beck et al., 2013

What are the likely Tier 2 words here?

The Jacobs family had not had a holiday for three years, so this trip was eagerly anticipated. Everyone had their bags packed, but the process of getting all the gear into the back of the car wasn't straightforward. Dan was insistent that his surf-board had to come with them, much to Melissa's annoyance. Things were getting testy when Dan had the inspired idea that they could connect a small trailer to the car. This would enable them to include everyone's gear and avert a family crisis.

41 42

What are the likely Tier 2 words here?

The Jacobs family had not had a holiday for three years, so this trip was eagerly anticipated. Everyone had their bags packed, but the process of getting all the gear into the back of the car wasn't straightforward. Dan was insistent that his surf-board had to come with them, much to Melissa's annoyance. Things were getting testy when Dan had the inspired idea that they could connect a small trailer to the car. This would enable them to include everyone's gear and avert a family crisis.

Discourse skills

- Using spoken language for different everyday purposes
- 4 key genres to be mastered in childhood/adolescence:
 - ✓ Conversation
 - ✓ Narrative
 - ✓ Procedural
 - ✓ Expository _

The language of instruction

43

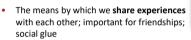
44

Conversation

- Interactive "serve and return"
- May be child or adult-initiated
- · Pauses and waiting are important
- Involves the learning of many social "rules" and conventions:
 - Turn-taking
 - Initiating and ending topics
 - Interrupting
 - Level of detail
 - Eye contact
 - Physical proximity
 - "Speaker rights"



Narrative discourse





- · Emerges in toddlerhood
- Exposure to story grammar structure beneficial
- Related to cognition, memory, planning & organisation, perspective taking
- Often co-constructed within conversation
- Emerges in stages; becomes more complex with advances in vocab and syntax in particular

45

46

Procedural Discourse

The ability to explain a <u>procedure</u> to a (more or less) naïve listener **Requires**

- Ability to consider prior knowledge (and not over or under-estimate this)
- Ability to place steps in logical order
- Ability to include all relevant steps
- Ability to monitor listener understanding

Common examples

- Directions on how to get somewhere
- Instructions on how to make something
- Recipe
- How to play a game



Expository Discourse

- Explaining or describing a topic may be informative or persuasive in intent
- An academically important skill, esp. in secondary years
- Requires
 - ✓ Background knowledge
 - ✓ Ability to take stance of listener/learner
 - ✓ Ability to organise material logically e.g., intro, body, summary
 - Overall coherence and quality of argument are important to listener

The "Matthew Effect" in learning to read

Matthew Effects in Reading With foundational skills Without foundational skills Without foundational skills Grade

The "Peter Effect" in teaching reading



49 50

Teacher knowledge of language constructs

Fielding-Barnsley (2010) Tetley & Jones (2014) Moats (2014) Stark et al. (2015)



But note – some findings indicate suboptimal knowledge of SLPs too......

(Spencer et al. 2008, LSHSS)



Teacher knowledge matters because

Teachers teach children to read, not programs

(Dr. Louisa Moats)

BUT – programs do have their place

Things worth knowing more about in the early teaching of reading

☐ Phonological awareness / phonemes / phonemic awareness /

☐ Graphemes

51

☐ Morphemes / Morphology

☐ Orthography / Orthographic mapping

Etymology

Letters Vs sounds

☐ Consonants, vowels (short, long), syllables (stressed and unstressed)

☐ Voiced Vs voiceless sounds

☐ Schwa vowel

Digraphs, trigraphs

Split digraphs

☐ Diphthongs

☐ Homophones and homographs

 $\hfill \square$ Role of sight / high frequency / irregular words and how to teach them

Those tricky "Ph" terms: 1

Phonological awareness

• Differentiating speech from non-speech sounds

• Rhyme

52

Syllabification

Alliteration

Phonemic awareness

- A subs-set of phonological awareness
- Phonemes = <u>single speech sounds</u>; represented in text by <u>graphemes</u> (one or more letters)
- · Blending, segmenting, deleting, adding sounds

Those tricky "Ph" terms: 2



- > Phonics is the relationship between sounds and letters AND an approach to initial instruction. It MUST involve visual cues (unlike phonological and phonemic awareness, which can rely on sound
- > Phonetics is a branch of linguistics (like syntax and semantics). Concerned with unambiguous representation of speech sounds through an international symbol system
 - Phillys James -> fII∂s d∋eImz (phonetic transcription)
 - Phillys James > Filus JAmz (Invented spelling)

55

Morphology example

shape = base word (smallest unit of meaning)

shapes - inflectional "s" could be either plural or verb form

shaping

shap**ed**

reshape

misshape - NB - knowledge of morphology guards against child reading this as miss-hape - also helps with spelling the word

reshaping

reshaped

57

Etymology

- A branch of linguistics
- · The study of word origins / derivations
- In English, involves and understanding that we have incorporated many Greek, Latin, French, Nordic, and German words (and words from other languages as well).
- · Closely tied to the study of world history



Morphology: Sub-lexical knowledge



Sublexical analysis is important because English is a morpho phonemic language (not strictly alphabetic)

- > Roots (bases) and affixes (prefixes and suffixes)
- Can be further dived to

 Bound: pre-, dis-, un-, -able, -ly ing inflectional and derivational
- Unbound (free) simple words and compound words fish; fishcake; shape (→shapes; shaped; shapely; shaping; reshape; misshape)
- Relevant to understanding shifts in word meaning
- Relevant to etymology study of word origins (and meaning)
- Relevant to learning spelling rules / patterns

"I watcht the footy" - what is this child's writing telling us?

56

The common affixes in English

	Prefixes	Suffixes
un-		-ed
re-		-ing
dis-		-s (plural or verb form)
mis-		-able
ex-		-er
pre-		-est
de-		-ise
sub-		-ful
inter		-ly
dys- for-		-ment
		-fy
La Trobe University		

58

Understanding etymology supports the teaching of morphology and spelling.

What do these roots mean? What words do they create?

- Aero
- Biblio
- Chron
- Demo Gen
- Hydra
- Logo
- Morph
- Phil

60

Photo



Why increase the focus on morphology and etymology?

- √ The structure of English is morpho-phonemic (not strictly alphabetic)
- ✓ Morphology provides a bridge between sound structure and meaning
- ✓ Morphology ties to etymology the study of word origins
- ✓ Beneficial to the learning of spelling rules
- ✓ Beneficial to both typically-developing and struggling readers
- ✓ Enriches students' **knowledge** about the English language

"Good readers attend to the internal details of words, both spoken and written. They use strategies to distinguish and remember the meanings of words that sound alike, including recognising meaningful parts" (Moats, 2010, p. 118)

61

What can you do? (1)

- Have <u>language skills</u> on your radar and understand how they relate to <u>literacy</u> skills
- Consider the possibility that language skills (expressive and/or receptive) are <u>compromised</u>
- Remember that behaviour is a <u>form of communication</u>, especially for struggling students
- Recognise that <u>minimalist responses</u> may be the best the young person can do
- Simplify your own language:
 - · Avoid idioms, metaphors, sarcasm, double entendre
 - · Avoid multi-stage instructions
- Minimise <u>distractions</u> for important interactions
- Allow <u>extra time</u> for processing and responding

62

What can you do? (2)

- Improve your own knowledge of language and literacy "under the bonnet"
 - Knowledge of the orthographic structure and rules of English
 - Knowledge of linguistic concepts such as phonemes, graphemes, morphemes, parts of speech
 - Lift your knowledge of English etymology and morphology
 - Learn the rules of English grammar and punctuation
- Monitor student progress using rigorous tools and take action early
- Avoid the soft bigotry of low expectations
 - Don't mistake engagement for attainment
- Avoid pseudoscience and neurofads
- REMEMBER: it is everybody's job to support the teaching of reading across the school years

(Some) Useful resources

Bendigo Early Language and Literacy Community of Practice (BELLCoP) Resources Page https://pamelasnow.blogspot.com/p/blog-page_15.html

FIVE from FIVE http://www.fivefromfive.org.au/

Learning Difficulties Australia https://www.ldaustralia.org/

Spelfabet: http://www.spelfabet.com.au/

The Reading League https://www.thereadingleague.org/

MULTILIT http://www.multilit.com/

Parker Blog and free books on phonics instruction

https://www.parkerphonics.com/blog

Little Learners Love Literacy https://littlelearnersloveliteracy.com.au/

Sounds Write http://www.sounds-write.co.uk/page-98-australia.aspx

Nomanis Notes: https://www.nomanis.com.au/nomanis-notes

Filling the Pail Blog (Greg Ashman) - https://gregashman.wordpress.com/

Twitter

63





p.snow@latrobe.edu.au



@pamelasnow2



The Snow Report http://pamelasnow.blogspot.com.au/



64