

LEMMA

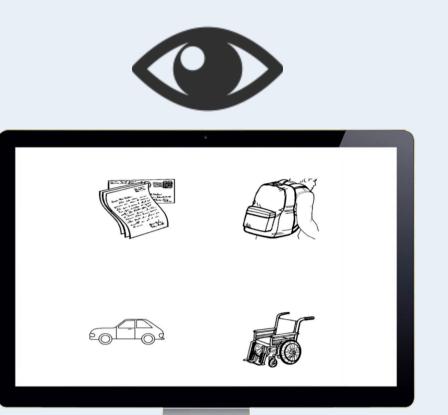
Language, Education, and Memory in Multilingualism and Academia The interface between language and memory in multilingualism

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LANGUAGE

Prediction in native and non-native speech comprehension

- Bilingual listeners predict upcoming speech input in L2 as in L1?
- Factors modulating prediction in L2 speech comprehension?
 - Frequency information?
 - Quality of linguistic representations?
 - Competition?
 - Available resources?
- Bilinguals rely more on top-down information in L2 listening than in L1 listening?





Mary reads a letter/Marie leest een brief Mary **steals** a letter/Marie **steelt** een brief

Reading in L1 and L2

- Differences between L1/L2 reading?
 - Eye movement corpus investigation
 - GECO (Ghent Eye-tracking COrpus)
 - In general: slower and childlike for L2
 - Interference? Resources? Familiarity?
 - Studies on word and sentence level
 - Frequency/Neighbourhood/AoA/Predictability/ Pupil dilation/...
- Eye movements of L1/L2 studying

Speech production in L1 and L2

- L2 speech production usually slower, less accurate, and less fluent, but why?
- Factor(s) modulating L2 naming speed at word and sentence level?

Single word picture naming

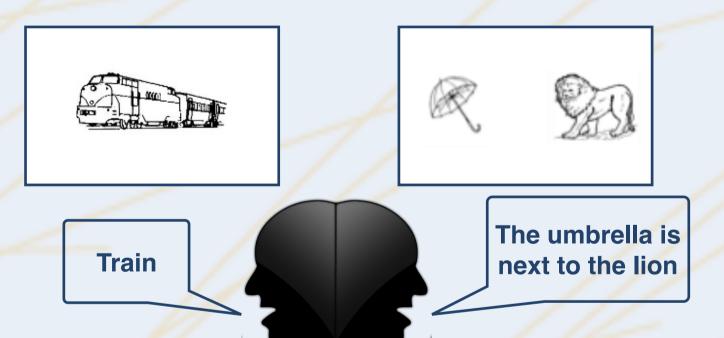
- RT L2 > L1
- Early-learned faster in L1/L2

Sentence word picture naming

Visual world paradigm



AoA important in L2





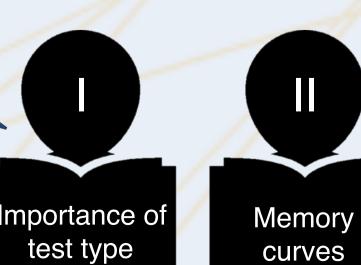
Self-monitoring in L1 and L2

- L2 disadvantage during self-monitoring of speech production? If so, why?
- Main findings:
 - No RT differences between L1/L2 phoneme monitoring
 - Higher RT in L2 speech production
 - Speech monitoring = sequential process: first phoneme of word monitored first
- Differences only in L2 production: slow-down later in speech production (e.g. in articulatory planning)?

Memory for texts in L1 and L2

- Bilingual memory is language-dependent = the encoding-specificity principle
- True for texts? Do students remember the wordings of a study text in L2 or its content independent of language?
- What are the consequences for education?

When I study text materials in L2, I can remember enough to say which statements are true or false, but I have a hard time rewriting the contents.



I might score a little lower on yes/no tests for courses in L2, but the difference is small. And I don't forget more on the long term, no, it's the same as in my own language.

Supporting reading in an L2 higher education setting

Integration

- Code switching and translation
- Decoding meaning unfamiliar vocab
- Making non-graphical note
- Making graphical note Questioning
- Making links to prior knowledge

Organisation external text structure

- Context clues; e.g. (sub)heading
- Typographical aids





Organisation internal text structure

- Adding symbols to text
- Identifying highly informative text
- Using structure marking elements
- Making inferences

Selecting main ideas

Selection

MEMORY

Contact







Distinguishing main from sub-ideas



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