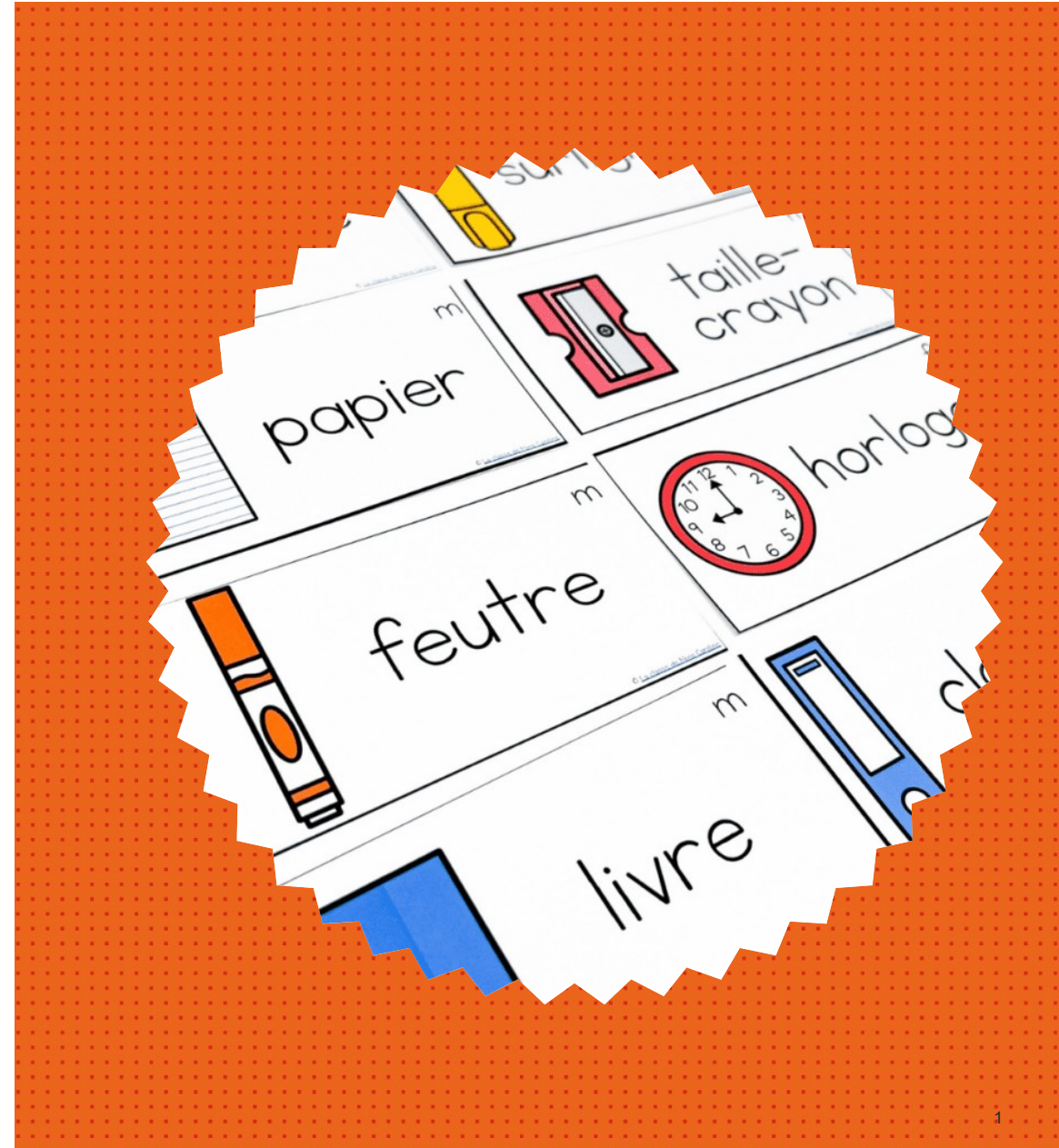
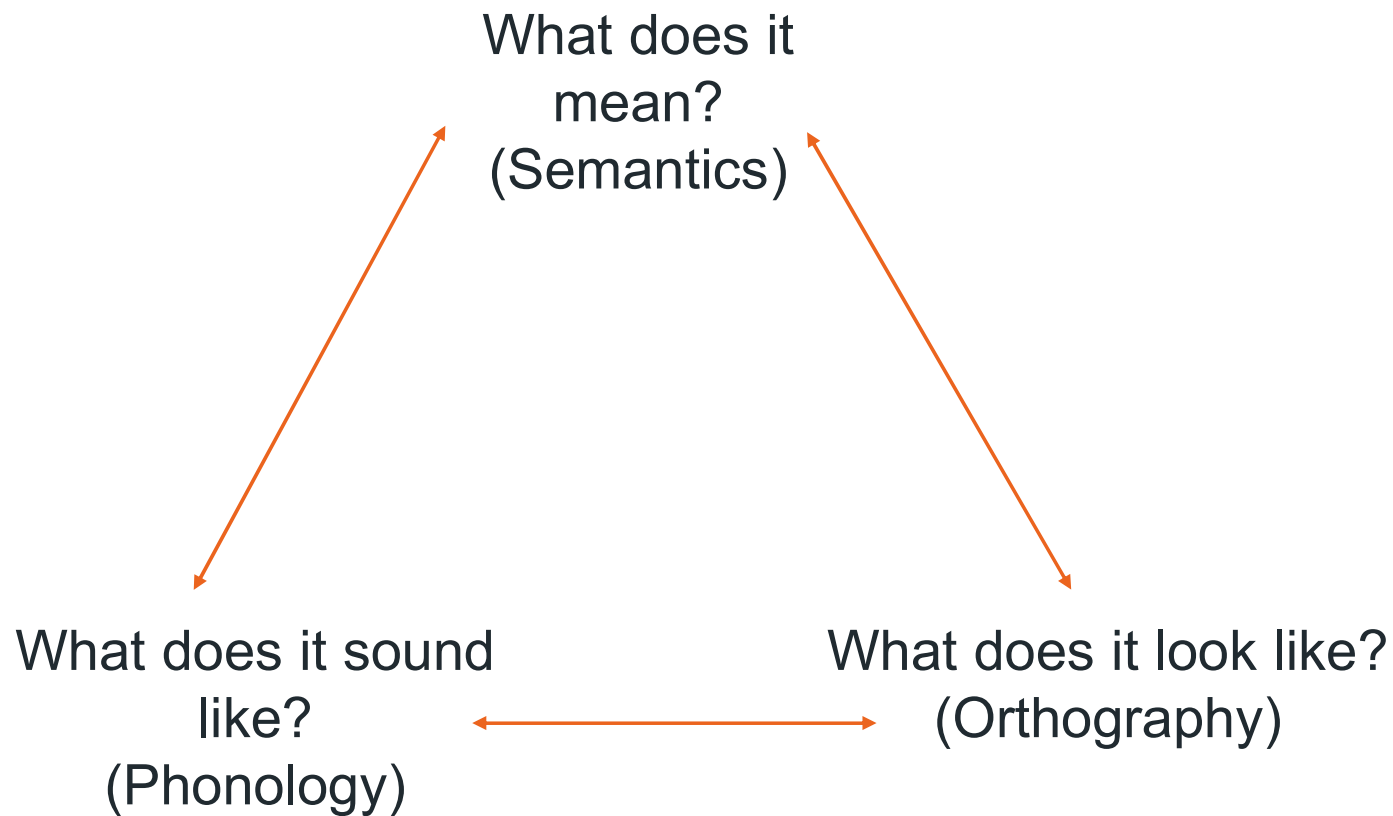


Should we show written words when teaching new foreign vocabulary?

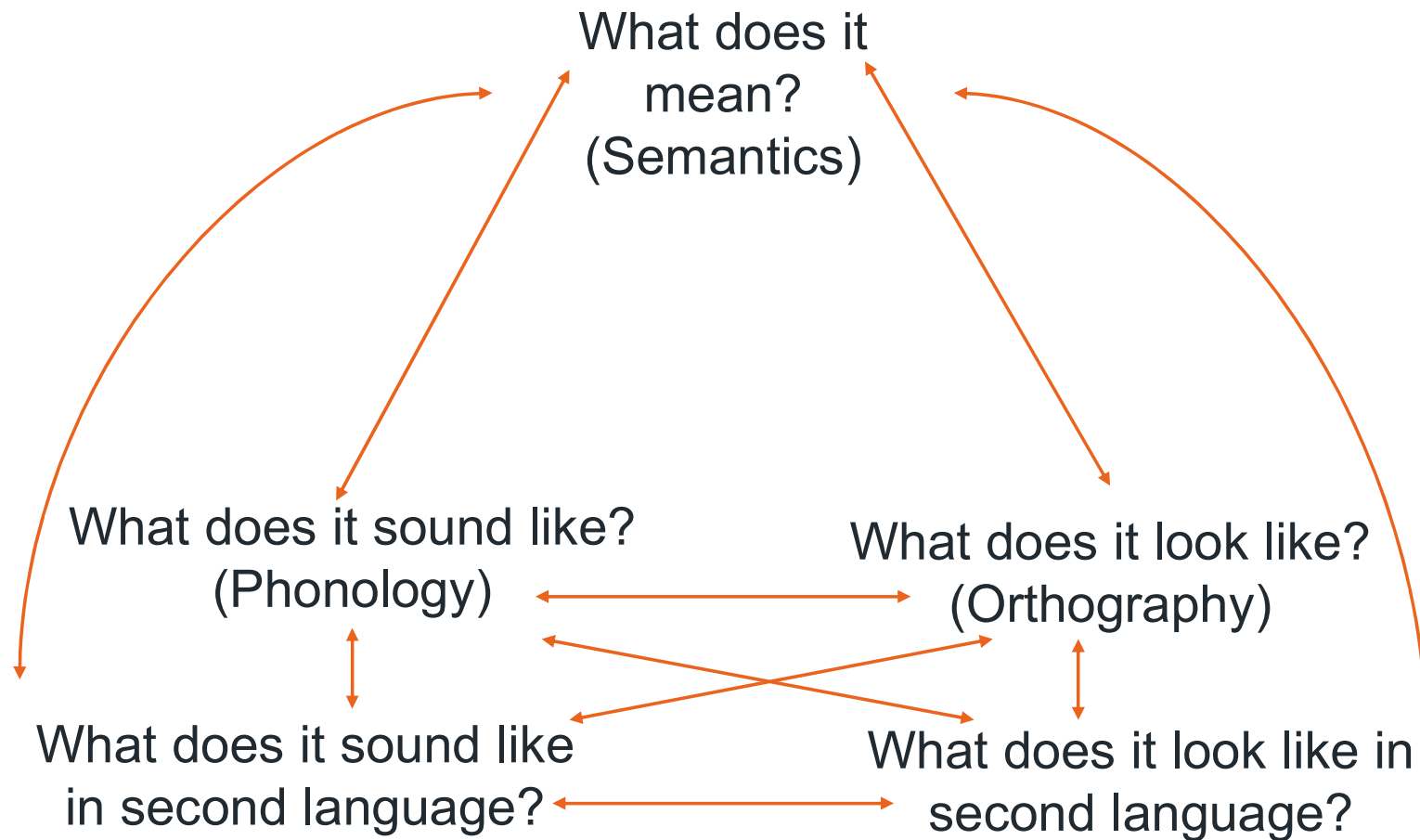
Courtney Hooton
PhD candidate, Department of Psychology



WHAT DOES IT MEAN TO KNOW A WORD?



WHAT DOES IT MEAN TO KNOW A WORD IN A SECOND LANGUAGE?



HOW CAN WE MAKE THIS EASIER?



- Orthographic facilitation (Ricketts et al., 2009; Rosenthal & Ehri., 2008)
 - Emphasising the written word form leads to better word learning
 - Many studies that show that this is the case in native language word learning (Colenbrander et al., 2019)
 - Only a handful of studies that look at this in second language learning (Krepel et al., 2021; Salome et al, 2024; Zhang et al., 2020)
 - None that look at English as first language, nor in context of primary school


CONTEXT



- In 2014, it became compulsory for KS2 students (years 3-6) to learn a language in school
- Language Trends Survey 2020 (Collen, 2020)
 - Lack of implementation framework means variation across schools
 - Teachers want more guidance on:
 - how much time to spend on language teaching
 - what content to teach
 - subject-specific professional development
 - research-informed resources

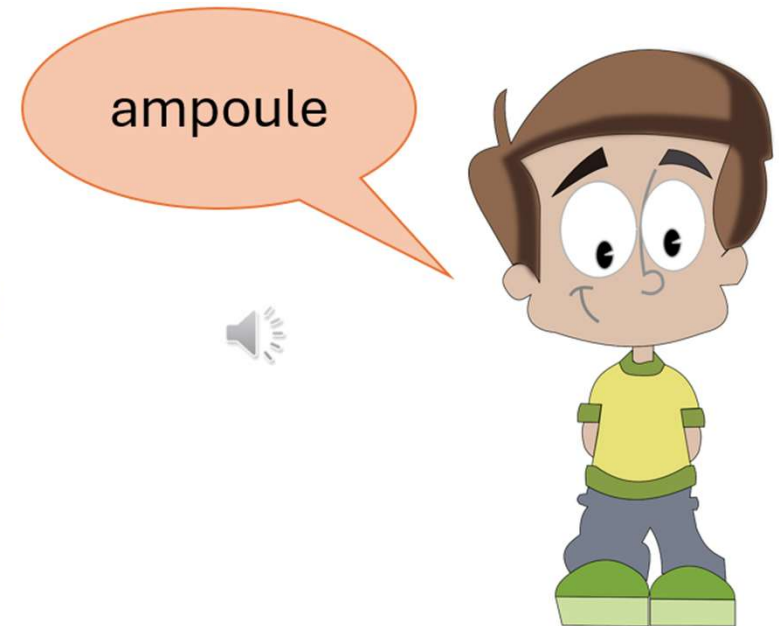
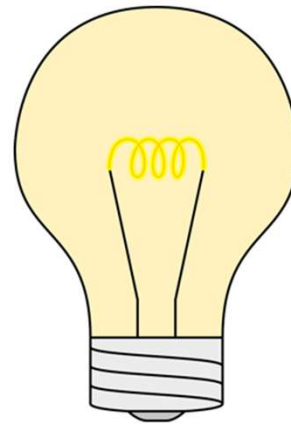
WHERE DOES THIS PROJECT FIT IN?



- Teachers want more guidance on:
 - how much time to spend on language teaching
 - what content to teach
 - subject-specific professional development
 - **research-informed resources**
 - Providing empirical evidence to support research-informed resources
- 
- How can the written word support foreign language teaching and learning in the primary school classroom?

METHODS

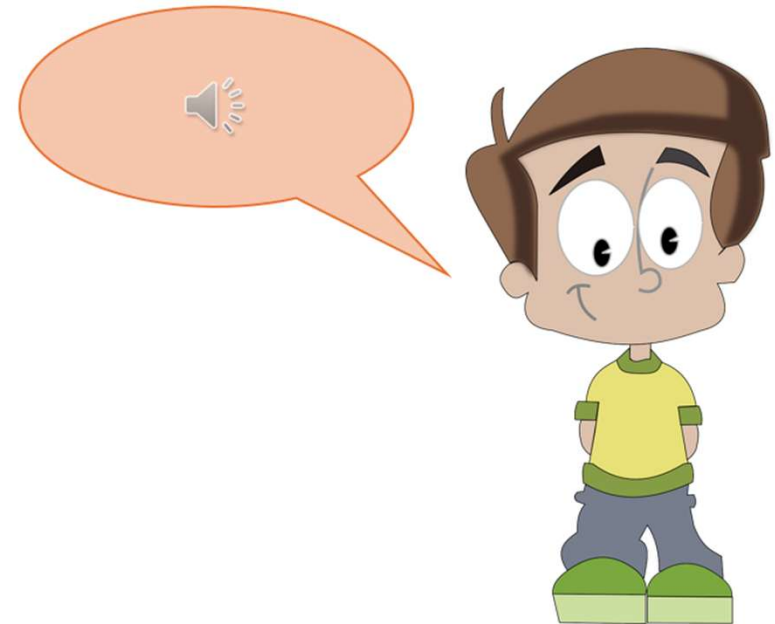
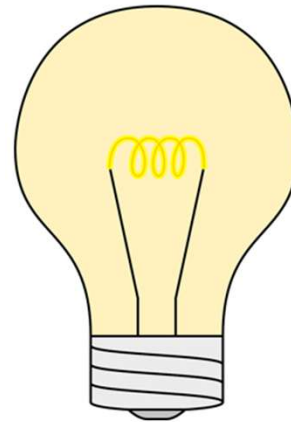
- Participants:
 - 87 Year 4 children (Aged 8-9)
- Items:
 - Taught 12 French words over 4 weeks
 - Ensured there was no prior French knowledge
- Conditions:
 - 3 conditions
 - Manipulated between classes
 - Orthography present, orthography present and symbol condition



Orthography present

METHODS

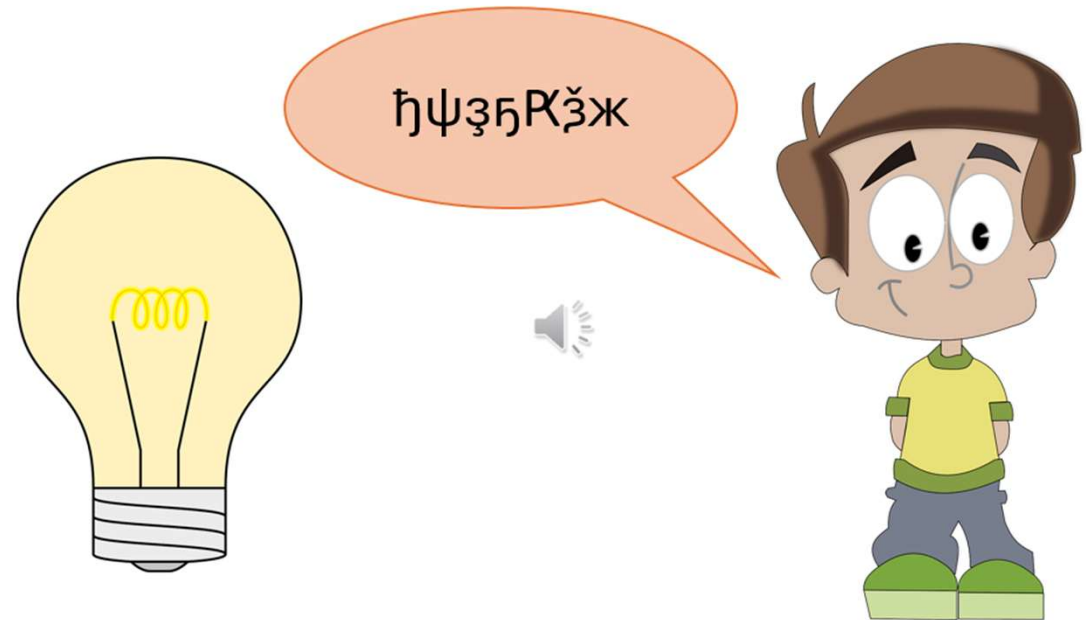
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Orthography absent

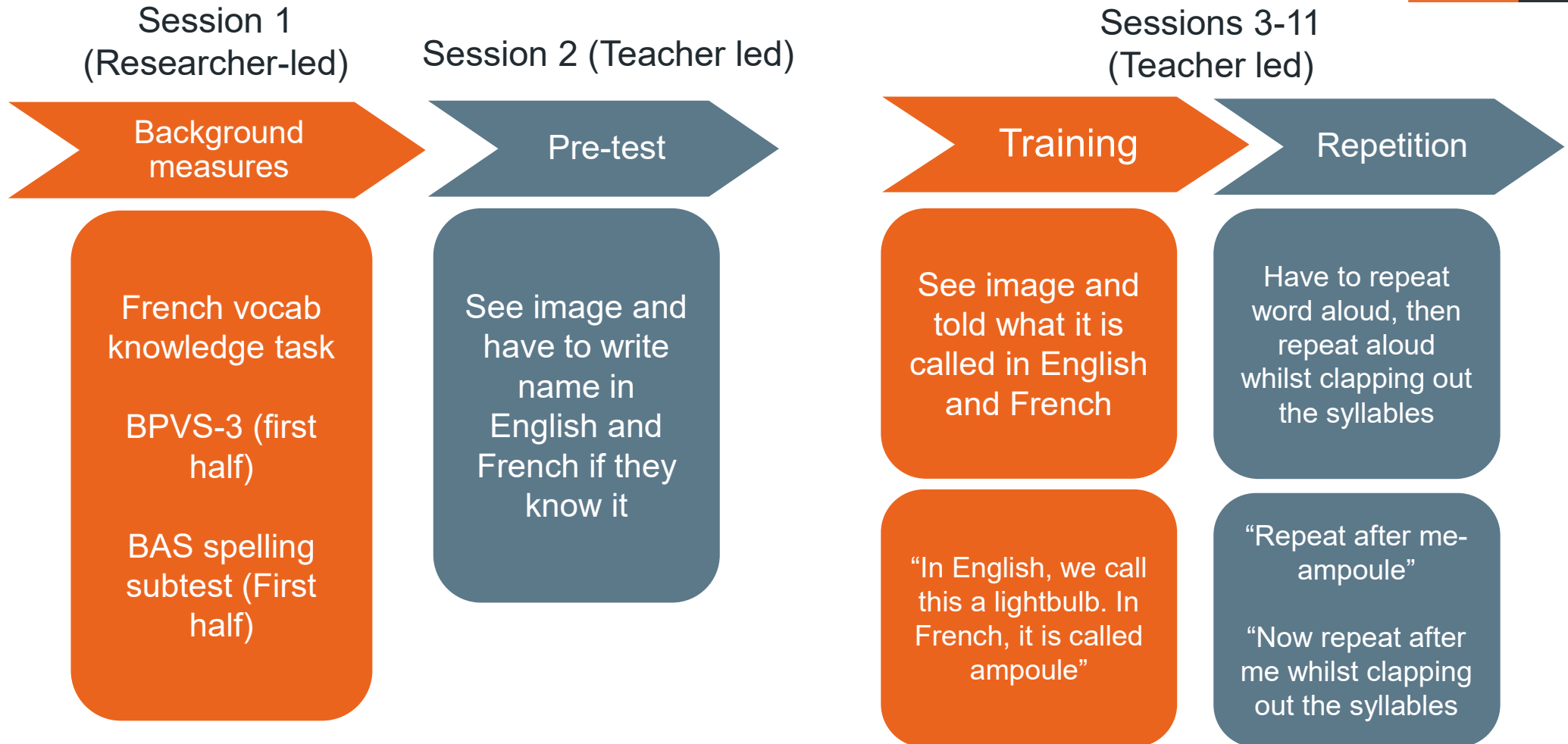
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Symbol condition

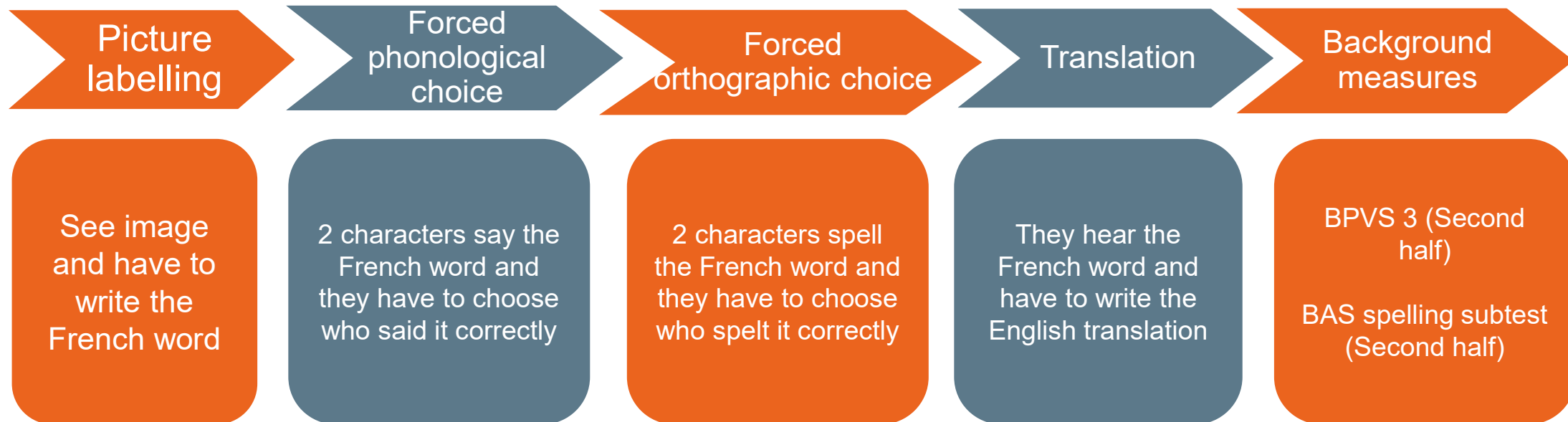
METHODS



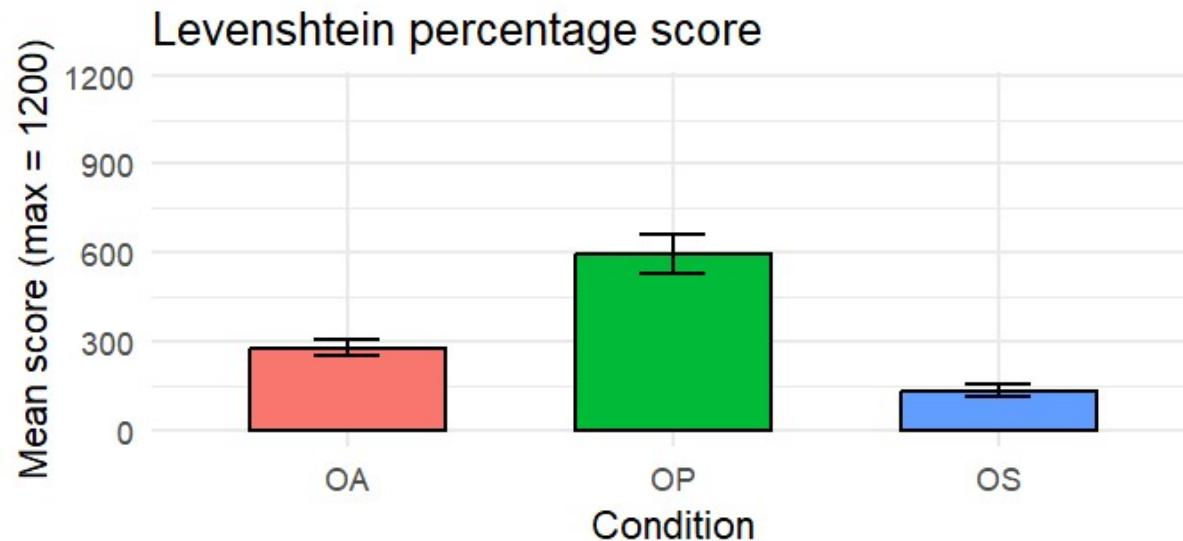
METHODS



Session 12 (Researcher led)

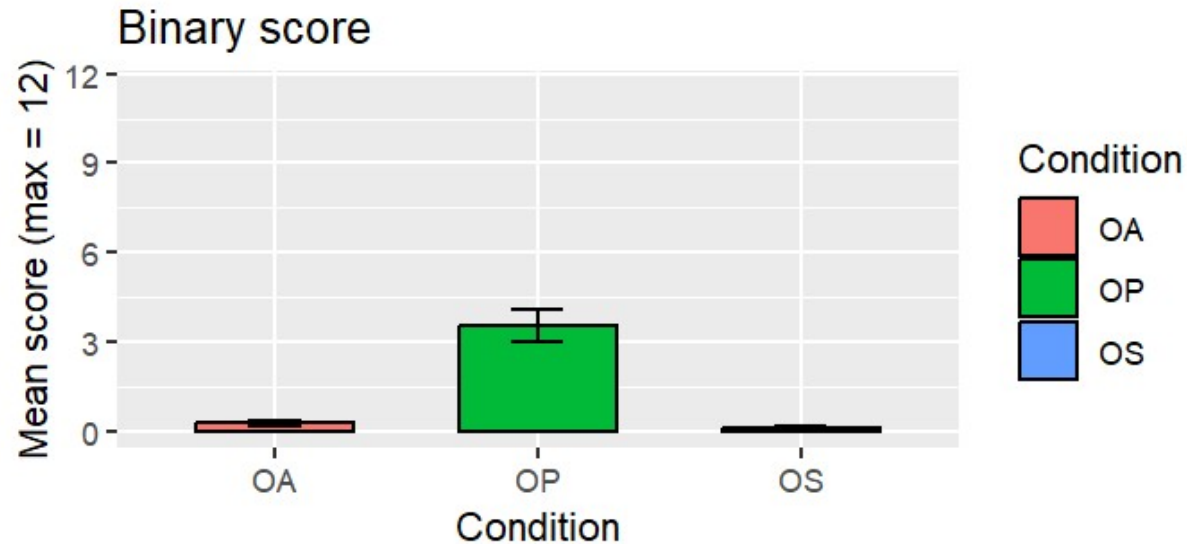


PRELIMINARY RESULTS- PICTURE LABELLING (LEVENSHTEIN)



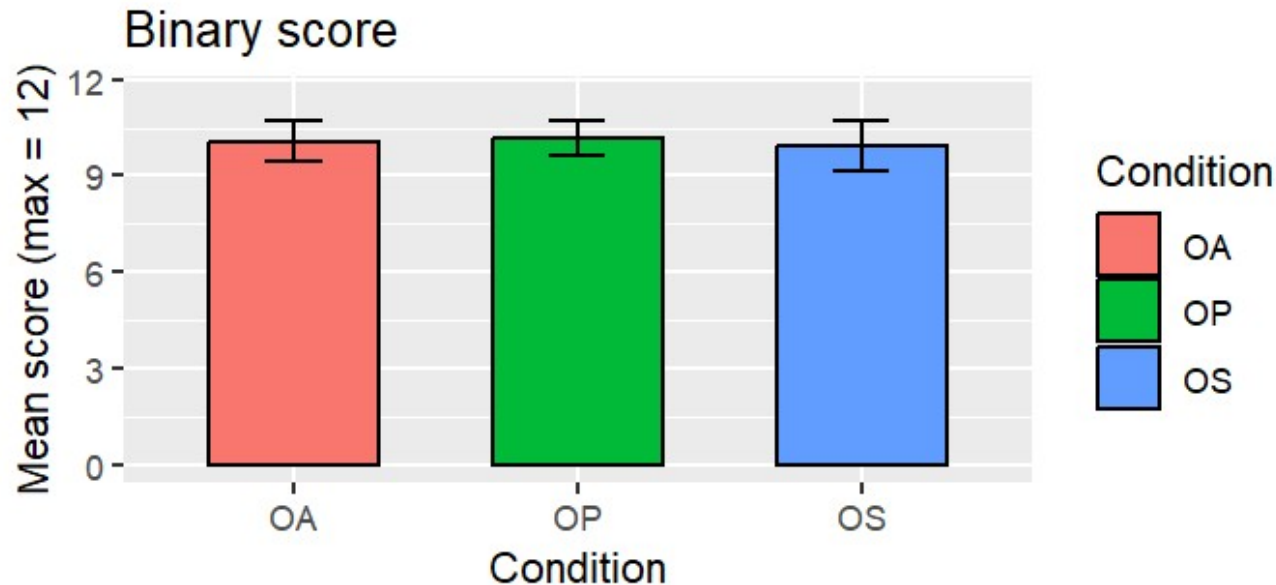
- Requires them to produce French written word
- Measure accounts for partial word learning
- $OP > OA > OS$
- Performance low as a whole

PRELIMINARY RESULTS- PICTURE LABELLING (BINARY)



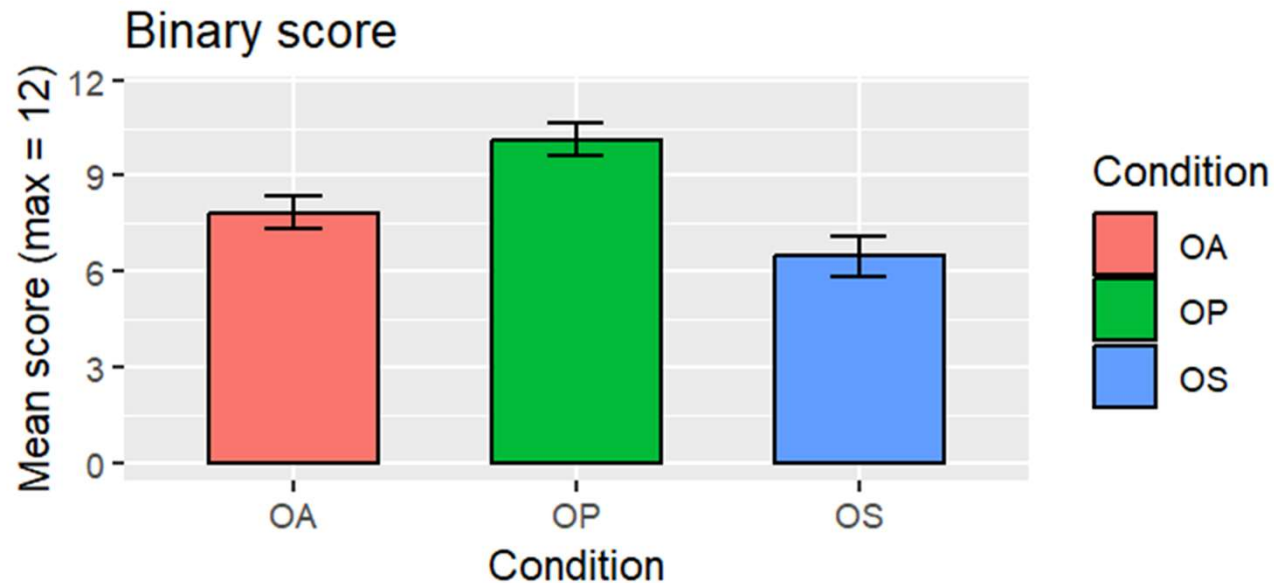
- Requires them to produce French written word
- Binary measure (correct/incorrect)
- $OP > OA > OS$ - still same pattern
- Performance still low as a whole
- Without orthography, performance at floor

PRELIMINARY RESULTS- PHONOLOGICAL CHOICE



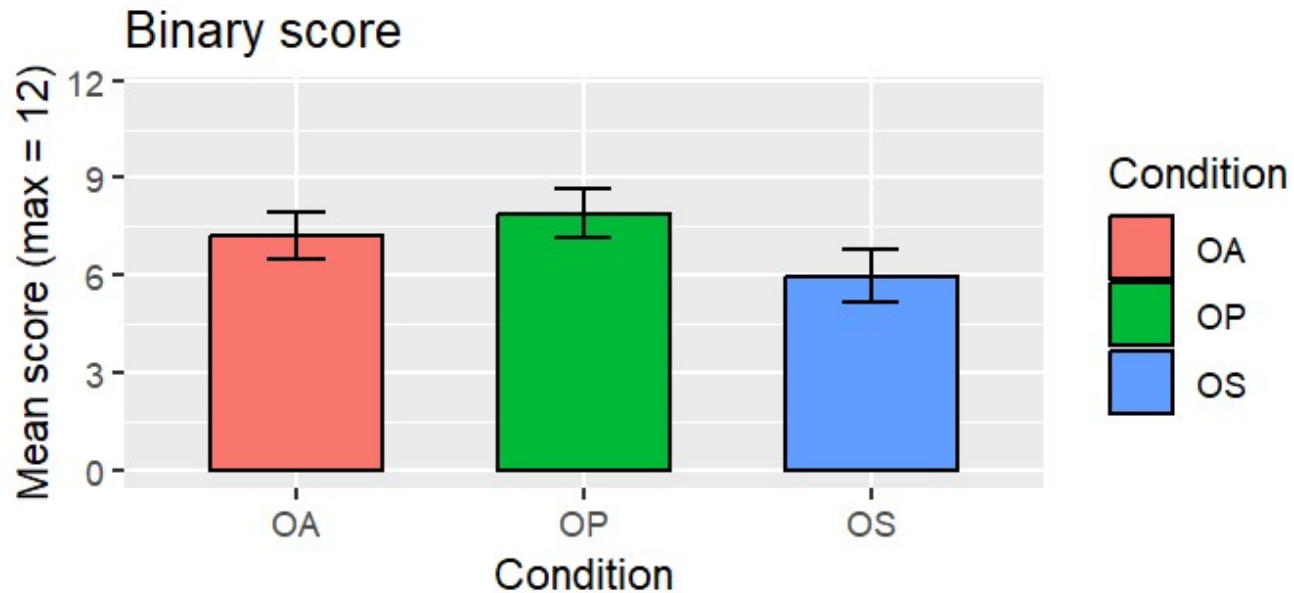
- Requires them to choose between correct and incorrect pronunciation
- Binary measure (correct/incorrect)
- At ceiling
- Learn phonology regardless of orthographic input

PRELIMINARY RESULTS- ORTHOGRAPHIC CHOICE



- Requires them to choose between correct and incorrect spelling
- Binary measure (correct/incorrect)
- $OP > OA > OS$ - still same pattern
- With orthography, performance at ceiling

PRELIMINARY RESULTS- TRANSLATION



- Requires them to produce English translation
- Binary measure (correct/incorrect)
- $OP > OA > OS$

DISCUSSION



- Overall:
 - Benefit of orthography when foreign words are taught in primary school classroom
 - Benefit of orthography when words are taught and assessed at whole class level
- OP > OA > OS
 - Stronger support for OP > OS than OP > OA
 - Relevant to word mats/knowledge organisers
- Next steps:
 - Run full analyses
 - 2 tests were at floor/ceiling level → Explore measures of phonological and orthographic learning that are more/less sensitive at whole class level

ANY QUESTIONS?



Thank you!

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