



BILINGUALISM AND (BI)LITERACY: MYTHS, FACTS AND CHALLENGES

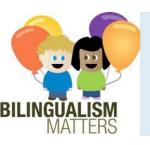
Antonella Sorace
University of Edinburgh & Bilingualism Matters
a.sorace@ed.ac.uk

Dundee, 16 March 2018



A short tour of research





Myths about child language learning

Confusion

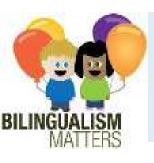


Problems at school



'Useful' and 'not useful' languages





What research shows

Early perceptual separation of the two languages



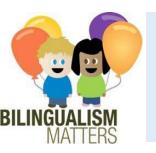


 Similar stages and milestones in bilingual and monolingual language development



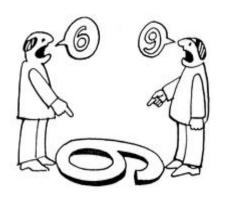
 Competence and creativity in language mixing





What research shows

Earlier awareness of other people's perspectives



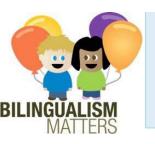
 Better focused attention and ability to handle conflicting information



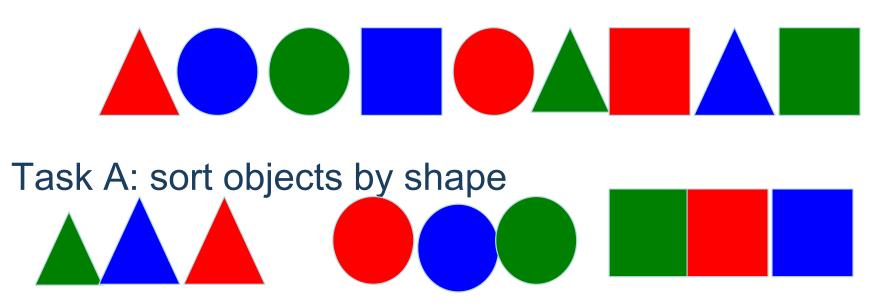
 Better cognitive flexibility in task switching and changing circumstances



(Kovacs 2009; Prior & Gollan 2011)



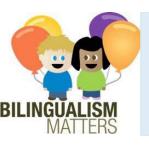
An example: task switching



Task B: now sort objects by colour:



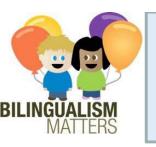
Bilingual children are faster than monolinguals to **refocus attention** and switch to Task B.



It doesn't matter which languages

- What matters is the fact of having more than one language in the brain.
- THERE ARE NO 'USEFUL' OR 'USELESS' LANGUAGES FROM THIS POINT OF VIEW!



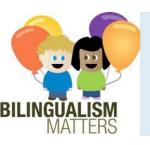


Knowledge about language

 Bilinguals tend to have higher metalinguistic awareness.



But what does this mean, exactly?



Aspects of metalinguistic awareness

- Awareness of the grammatical structure of language
- Awareness of the arbitrariness of language
- Awareness of the separation between words and meanings



Spontaneous sensitivity to language structure

Bilingual children 'notice' how language works

WORDS



SOUNDS



The girl cried.

The boy played.

The dog ran.

The movie star screamed.

The fireman yelled.

The policeman drove.

SENTENCES



Spontaneous sensitivity to language structure

Because of their natural understanding of language, bilinguals find it easier to learn other languages.

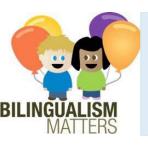


They often have a better understanding of the structure of the majority language.



Arbitrariness of language

- Imagine that the names of cats and dogs were changed around. (Child is shown a picture of a cat.] What would this animal's name be? (Answer: dog; bilinguals = monolinguals) What sound would it make? (answer: meow; bilinguals ≠ monolinguals).
- Bilingual children solve the second problem earlier than monolinguals because they are more likely to understand that only the names have changed.



Arbitrariness of language

• 'In this game, the way to say we is with spaghetti. How would you say, We are good children?'

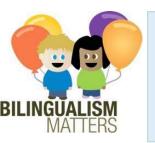
 Bilinguals better than monolinguals at saying: 'Spaghetti are good children'.

(Ben-Zeev 1977)

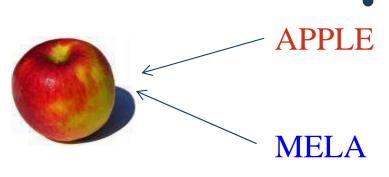


Separation of form and meaning

- Bilingual children perform like monolinguals in detecting ungrammaticality:
 - Why dog bark so loudly?
- Bilingual children are <u>better than</u> monolinguals at judging grammaticality in abstraction from meaning:
 - Why is the cat barking so loudly?



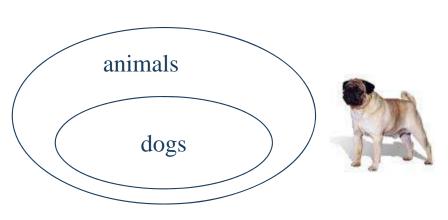
Words

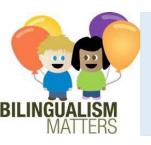


Two words for the same object within each language

 Two words for the same object across languages...

pug = dog AND animal

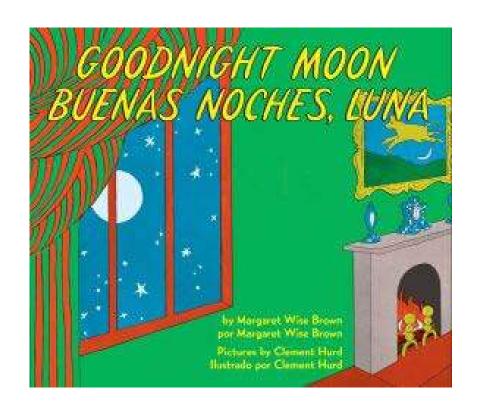


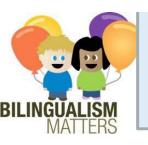


Can bilingualism help literacy?

Two possible ways:

- A general understanding of reading and its basis in a symbolic system of print.
- The potential for transfer of reading principles across languages.





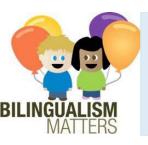
Can bilingualism help literacy?

 Bilingual children tend to be more precocious readers.



 Reading skills may transfer across (similar) languages.





Reading skills and early literacy

Literacy builds on:

oral competence

conceptual understanding of the symbolic function of print

phonological awareness



Oral competence and vocabulary

- Bilingual children often have more limited vocabularies in each of their languages (although not across languages).
- Significant effects of vocabulary on reading comprehension have been reported in bilinguals, even across languages.
- Larger vocabulary and oral competence = better reading abilities.



Invariance of print

Preschool bilingual children realise sooner than monolinguals that a printed word keeps the same meaning wherever it appears.





DOG

HORSE



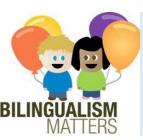
HORSE



Phonological awareness

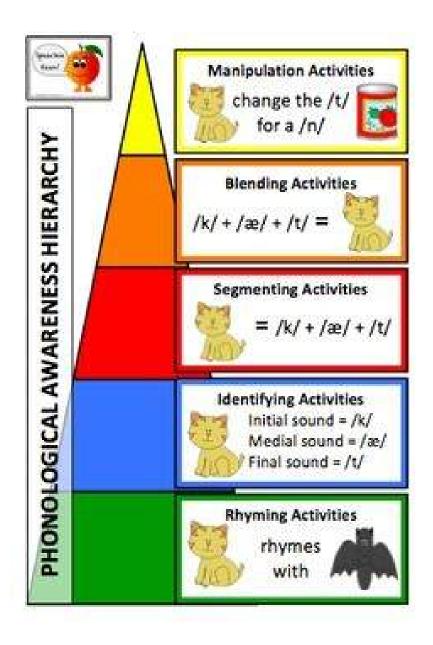
- Reading in any writing system requires phonological analysis because print records spoken language
- The writing system that a language uses affects children's acquisition of literacy because each system is based on a different set of symbolic relations





Phonological awareness







The alphabetic principle

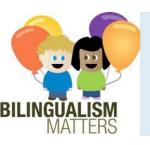
Bilingual children:

 often discover the alphabetic principle (correspondences between graphemes and phonemes) more easily.

Figure 2: The Alphabetic Principle

 often transfer their understanding of the alphabetic principle from one language to another with a similar system.





The Word Size Task

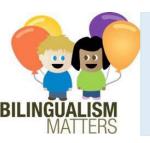
"Which is the longer word?"

TRAIN



BUTTERFLY





No monolithic effect of bilingualism on early literacy

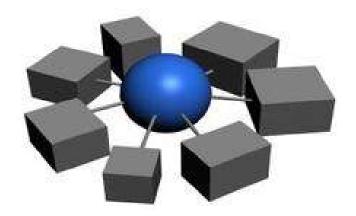
- The relationship between phonological awareness and reading will depend on the demands created by individual writing systems.
- Bilingual facilitation for early reading depends on the relation between the two languages and writing systems
- No correlation between children's early progress in reading English and Chinese.

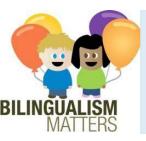


More generally: no automatic benefits of bilingualism for all

The benefits of bilingualism are not always found in all bilinguals: many other factors play a role.

Bilingualism comes in many shapes and colours!





Important implications for...

Families

 Teachers and policy makers: language learning and teaching in primary schools

Migrant children and multilingual classrooms and

Regional minority languages

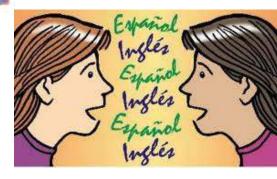


Bilingualism in the family: a commitment

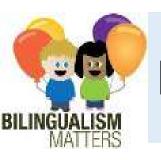
- Enough engaging exposure to both languages
- Patterns of language use
- Variety of speakers (but also books!)
- Positive attitudes in the family and in the community











Language learning at school

Younger not necessarily better unless children get...

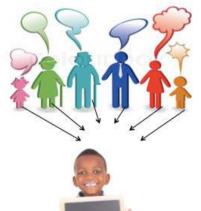
Enough input in the second language



Engagement



Variety of speakers





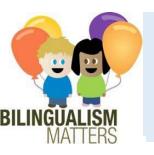
Language learning in Scottish schools

- Children learn differently at different ages
- One hour a week: is this enough exposure?
- Teachers should be trained on language learning
- Parents should be informed and helped to support their child



Language Learning in Scotland A 1+2 Approach

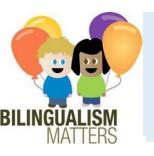






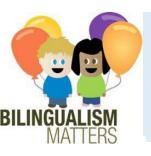
Language policy and intervention are often disconnected from the communities of speakers and from research.

What can be done?



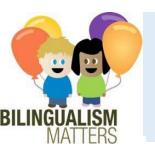


PROVIDING
ACCESSIBLE AND
ACCURATE
INFORMATION to
parents and teachers
about benefits and
challenges =
BETTER DECISIONS





MAKING
LANGUAGES
'REAL' FOR
CHILDREN AS
PART OF
EVERYDAY LIFE;
ENGAGING
FAMILIES IN THIS





EVALUATE
OUTCOMES IN
SCHOOLS AND
OBTAIN RESEARCH
EVIDENCE ABOUT
WHAT IS OR ISN'T
WORKING



Bilingualism Matters

University of Edinburgh Centre of Excellence

Seminars and training for international companies and institutions

Public engagement and policy advice

Regular appearance in the media (on language and multilingualism)

International network in Europe (15 branches), and in North America (3 branches)





Partnerships and collaborations



PEARSON





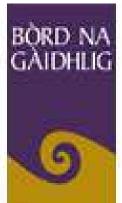


SCOTLAND













Promoting further and higher education



Projects







REGIONE AUTÓNOMA DE SARDIGNA REGIONE AUTONOMA DELLA SARDEGNA









CHANGING MINDS . CHANGING LIVES







Lifelong Learning Programme

LEVERHULME TRUST _____









http://www.bilingualism-matters.ppls.ed.ac.uk/

bilingualism-matters@ed.ac.uk

A.Sorace@ed.ac.uk