













Language development in multilingual children and challenges as well as opportunities for educational systems



Conference Shared language: integration through the prism of multilingualism, Tallinn, 14th-15th November 2019

Some preliminaries:

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<u>Multilingualism</u>

- Multilingualism is a natural phenomenon and has always existed, it's not something new, e.g.
 - 3rd millenium BC Mesopotamia;
 - Roman empire;
 - England: English: common people, French: ruling class, Latin: church;
 - Ottoman empire;
 - •

Some preliminaries:

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Multiliteracy

- Multiliteracy is the ability to read/write in several
 - languages;
 - A soldier in the Roman army didn't have to be literate in multiple languages;
 - An administrator did;
- (Multi)literacy depends on education;
 - Does the education system offer opportunities for children to become multiliterate?



Mesopotamia (Sumerian-Akkadian -> Babylonian glossary, Louvre)

Why are multilingualism & multiliteracy important in the 21st century





- Increase in the number of multilingual citizens:
 - **Urbanisation** → migration within countries;
 - Globalisation → migration across countries;
 - **EU policies** on language learning in schools;
 - Recognition that **language rights** are an integral part of **Human Rights (UNESCO) & support of minority** languages, example Welsh:
 - Language rights of minorities are an integral part of well established, basic human rights widely recognised in international law, just as are the rights of women and children.

Why is multiliteracy important in the 21st century





- In the past literacy was for the elite, not anymore;
- Literacy skills are necessary to function in the 21st century:
 - navigating through a city;
 - reading a rent contract;
 - reading an employment contract;
 - reading terms and conditions for privacy;
 - reading → window to culture;
 - reading → tool for learning and developing skills → employment



Singapore



London

Present talk



- Two studies addressing language and literacy development in multilingual children in two countries with a large number of multilingual families:
 - 1. the UK (multilingualism resulting from migration)
 - India (multilingualism as an integral part of the Indian society)
- General Implications & take home messages

Take home messages



- Supporting the languages of migrant communities (heritage languages) can bring benefits to the language of the society (majority language).
- English medium schools are not a ticket for success Mothertongue education brings advantages in educational outcomes.









Work with PhD student Theodora Papastefanou

Background:

- Perception that supporting the languages of the migrant communities (heritage languages) may negatively affect English (the majority language).
- Some schools & teachers recommending families to use English in the home.

There is limited research in the UK on how children develop the two languages side by side and if the perception above is true.



<u> Aims</u>

- Compare how bilingual primary school children perform in the heritage (Greek) vs. the majority language (English) in language and reading tasks;
- Compare their performance in English with monolingual English children
- 3. Address if there is a **relationship** between their language and reading skills and language use within/outside the home.



Participants

40 Greek-English bilingual children (Year 1=20; Year 3=20) and 40 monolingual English speaking children (Year 1=20; Year 3=20)

Attending mainstream English schools and a Greek Saturday school.

Parents filled in a survey about language use.

Language & reading tasks



Language

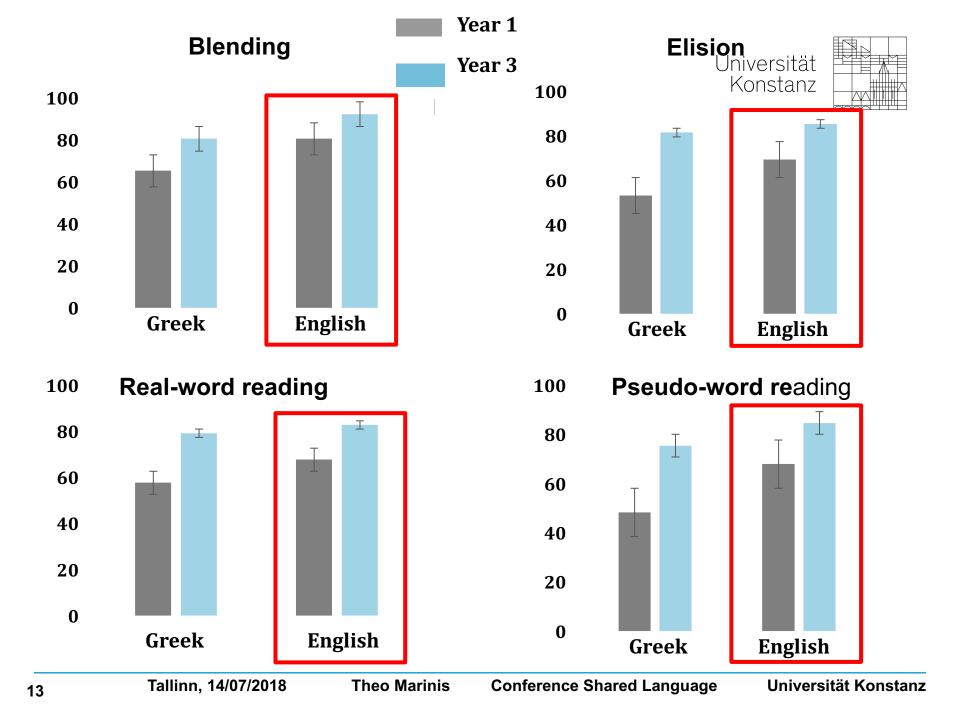
Blending: Children listened to the sounds of a word separately and had to put them together to create the word, e.g. a-r-i-th-m-o-ς (arithmos) (= number).

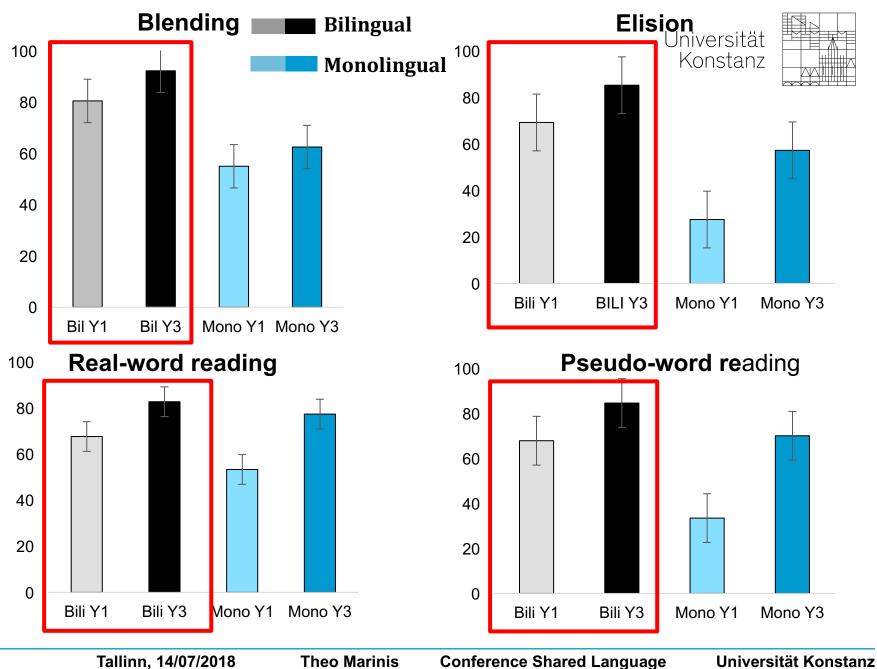
Elision: Participant had to say a word without saying one syllable (e.g. /lemoni/ (= lemon) without /le/ → /moni/.

Reading

Real-word Reading: Children had to read real words.

Pseudo-word Reading Decoding: Children had to read pseudo-words.





Relationship between language, reading skills and language use within/outside the home



- 1. English (majority language): NO
- 2. Greek (heritage language): YES for both language and reading and language outside the home



Conclusion from Study 1: UK

- Children have better language and reading skills in English (majority language) vs. Greek (heritage language);
- Schooling in English is enough for children to develop English skills;
- Supporting the Greek language (heritage language)
 DOES NOT negatively affect English (the majority language) → bilingual children have better skills than monolingual children;
- Parental effort should be directed towards the heritage language.











Study 2: India



Background:

- A large proportion of children attending state schools in India have low educational achievement in literacy and mathematical skills;
- Expansion schools with English as a Medium of Instruction (families believe → ticket to success).

There is limited research on the role of medium of instruction in India.

RESEARCH AIM

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What factors lead to high/low learning outcomes at school

Learning outcomes (in literacy, numeracy and cognitive skills)

Educational variables

External variables

Mothertongue education and the role of English Linguistic
Diversity &
Multilingualism
in the
classroom

Teacher qualification and school pedagogies

Gender inequalities, low socio-economic status, geographical disparity

Multilingualism and Multiliteracy: Raising Learning Outcomes in challenging contexts in primary schools across India

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Languages in India and medium of instruction





- Education in India: three-language formula (from 1957): medium of instruction:
 - 1. a regional language or mother tongue,
 - 2. an additional modern Indian language (e.g. Hindi) and
 - 3. English.
- Hindi and English function as link languages: the central government recognises Hindi as the official language and English as the provisional sub-language (Devy, 2018)

Theo Marinis



Participants

1200 children across the three states

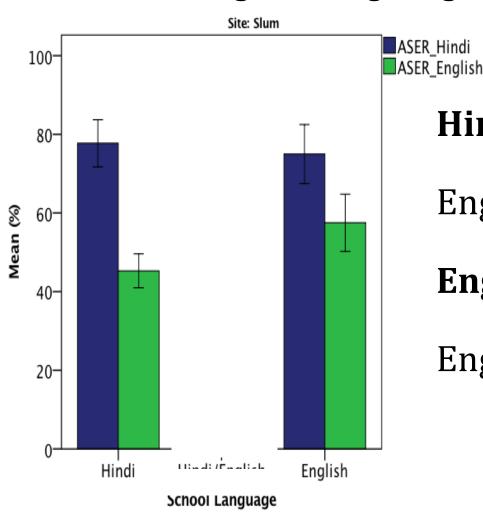
Delhi cohort: 397 children (Age: 8-12, Mean: 8.77, SD: 0.63)

- English Medium of Instruction: 251 children
- Hindi Medium of Instruction: 146 children

Literacy: Hindi, English



Letter naming, reading single words, sentences, passages



Hindi literacy:

English schools = Hindi schools

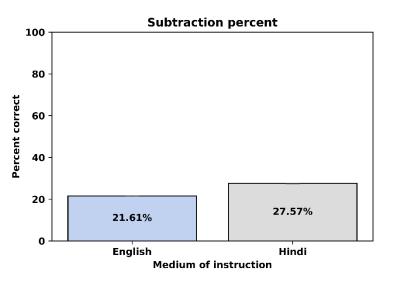
English literacy:

English schools > Hindi schools

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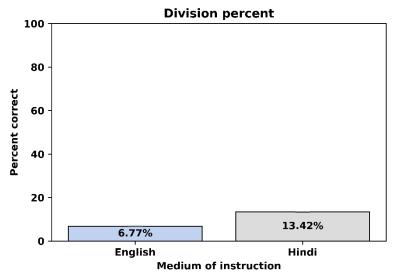
Basic Numeracy





Subtraction:

Hindi schools > English schools

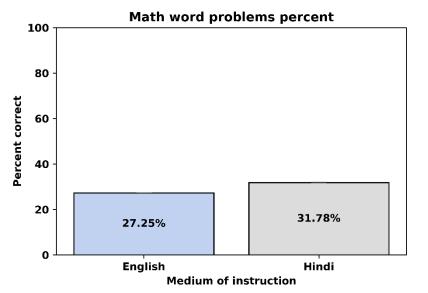


Division:

Hindi schools > English schools

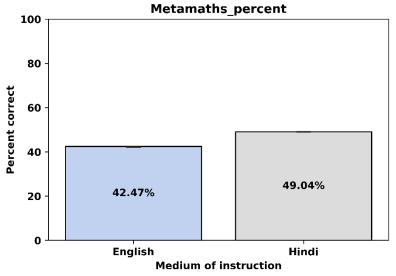
Mathematical reasoning





Word problems:

Hindi schools > English schools



Meta-maths:

Hindi schools > English schools



Conclusion from Study 2: India

- Literacy: English medium schools boost English literacy skills;
- Maths: Better development of numeracy skills and mathematical reasoning when the medium of instruction is a language spoken in the home (and a language children are good at);

Implication → English medium of instruction is not the ticket for success; it can lead to lower educational outcomes for children!

Take home messages



- Supporting the languages of migrant communities (heritage languages) can bring benefits to the language of the society (majority language).
 - → OPPORTUNITY
 - → CHALLENGE: how

2. English medium schools are not a ticket for succes→ CHALLENGE.

Mothertongue education brings **advantages** in educational outcomes → OPPORTUNITY.

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