



Research jointly supported by the ESRC and DFID

Multilingualism and Multiliteracy: Raising learning outcomes in challenging contexts in primary schools across India: *Project Rationale and Task Design*

Presentation at South Asia Panel

Dr. Lina Mukhopadhyay

Language and Development Conference 2017

Dakar



INVESTIGATORS

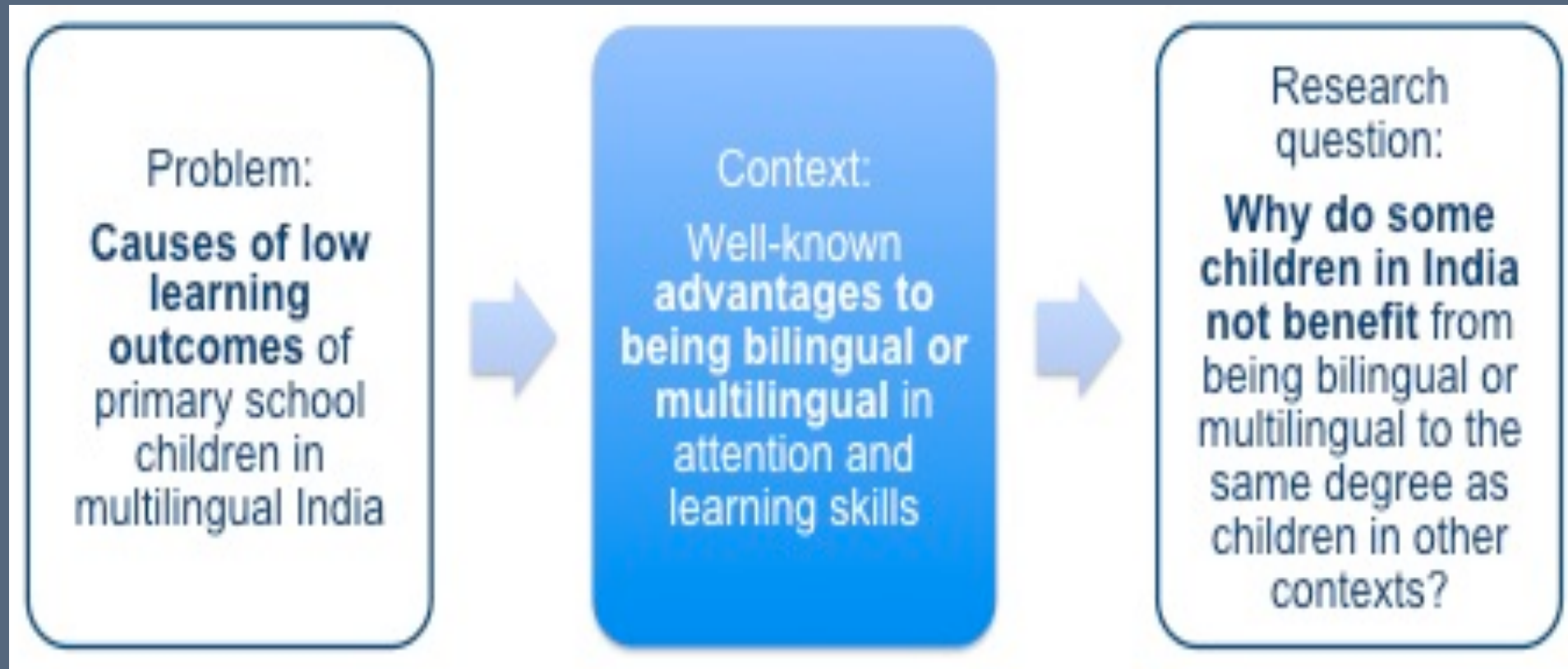
- Professor Ianthi Tsimpli Principal Investigator (PI), University of Cambridge, UK

- Dr. Lina Mukhopadhyay Co-Investigator (Co-I) & Presenter, The English and Foreign Languages University, Hyderabad, India

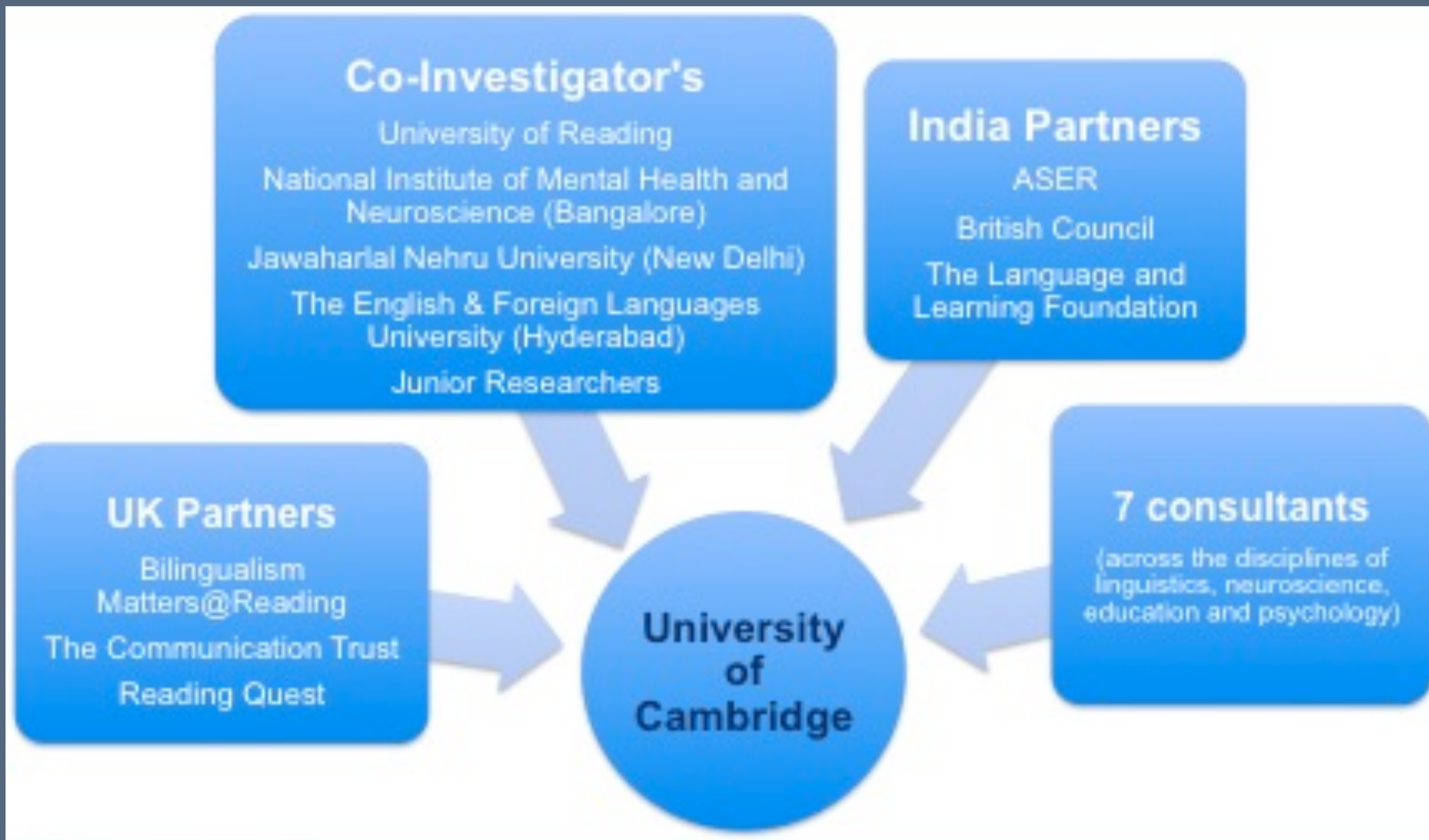
- Other Co-Is

Jeanine Treffers-Daller, Theodore Marinis, Professor Minati Panda, Professor Suvarna Alladi and Dr. Drenes Szucz

Overview



Team



Objectives

- To explore how the complex dynamics of social, economic and geographical contexts affect the delivery of quality of multilingual education in India.
- To investigate how educational policy regarding the role of **mother-tongue education** (the three language formula) is implemented in schools, and how the language(s) of instruction impact on learning outcomes in basic literacy and numeracy but also higher level literacy skills expressed through critical thinking and problem solving in the language of education and in the development of English as a second language.

Objectives

- To assess **the cognitive abilities** known to underpin learning and thought processes, such as working memory and executive control, in children educated in challenging contexts in India.
- To explore the relative contribution of **geographic and socioeconomic factors** of structural inequality in **urban slums and remote rural areas** to low levels of basic numeracy, literacy and dropout rates in these challenging contexts. To evaluate how negative consequences of these contextual factors on learning outcomes can be attenuated when mother-tongue education is available.

Objectives

- To examine the link between the development of basic numeracy as well as understanding of mathematics with levels of **math anxiety** in school children as a function of **gender inequalities** over and beyond structural inequalities arising for children living in remote rural areas and urban slums.
- To investigate the characteristics of **teacher qualification** and **school pedagogies** in the challenging contexts of urban slums and remote rural areas and effects on the teaching of literacy and numeracy on the development of critical thinking and problem-solving abilities.

Objectives

- To invest in **capacity-building** through training RAs, Co-Is, junior researchers and PhD students in India in research ethics, design, methods, data entry and analysis. After initial training, Co-Is will be able to provide further training to further staff and students, leading to a significant future capacity building in India.
- To maximize the **impact** of our findings by engaging with policy-makers, educational charities, practitioners and teachers on specific policies to improve multilingual education in India and raise learning outcomes; to inform UK stakeholders about implications of the project for UK practice in educating children with English as an additional language in mainstream schools.

Target population

- 1200 children in 4th Std. to be tested at two time points (4th and 5th Std)
- 800 children living in urban areas in Delhi and Hyderabad (200 in slums, 200 in non-slums)
- 400 children living in rural areas in Bihar-Patna (200 in semi-urban, 200 in urban areas)
- Average ability children, no history of learning disabilities
- No children from upper end of middle class or above

Tasks



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COUNCIL



Multilingualism and Literacy Project

Raising learning outcomes in challenging contexts in primary schools across India

Begin Trials

Notes:

Before beginning trials ensure you have a backup copy of the data

Forms will save over original data with the same filename should amendments be needed

Tasks

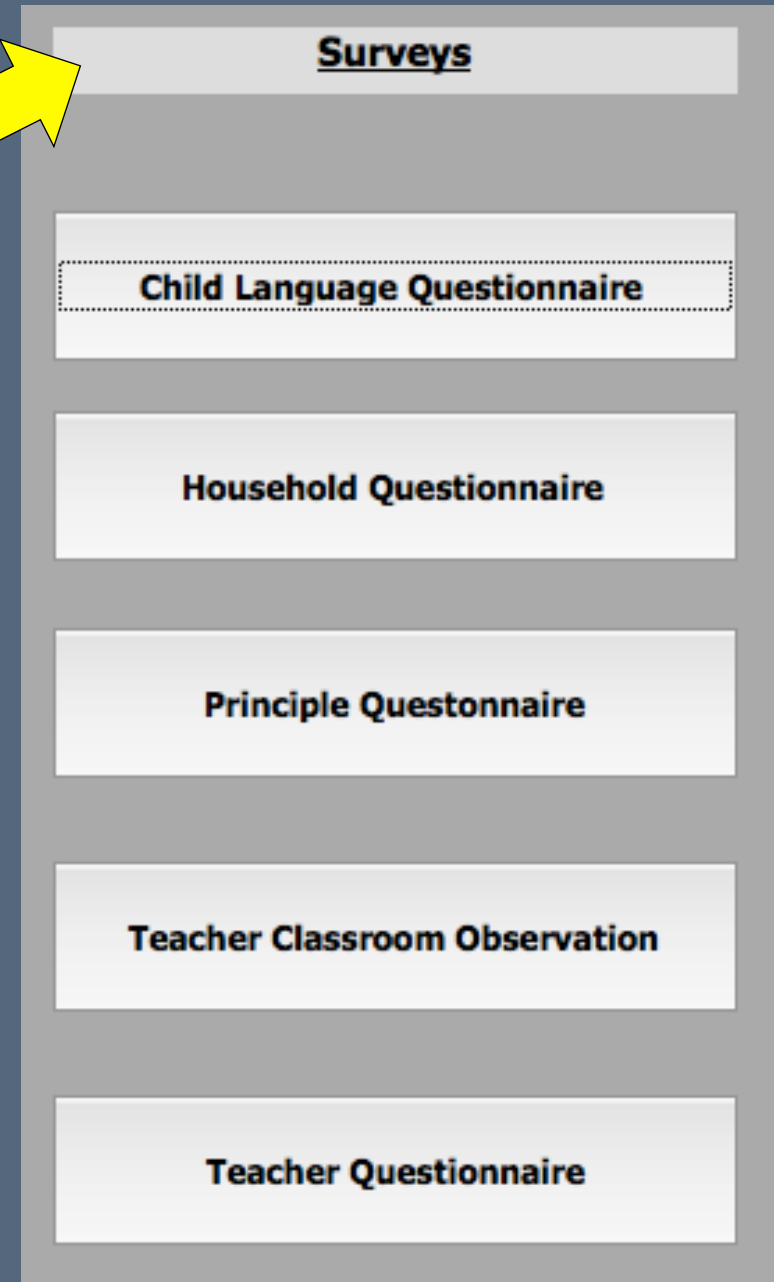
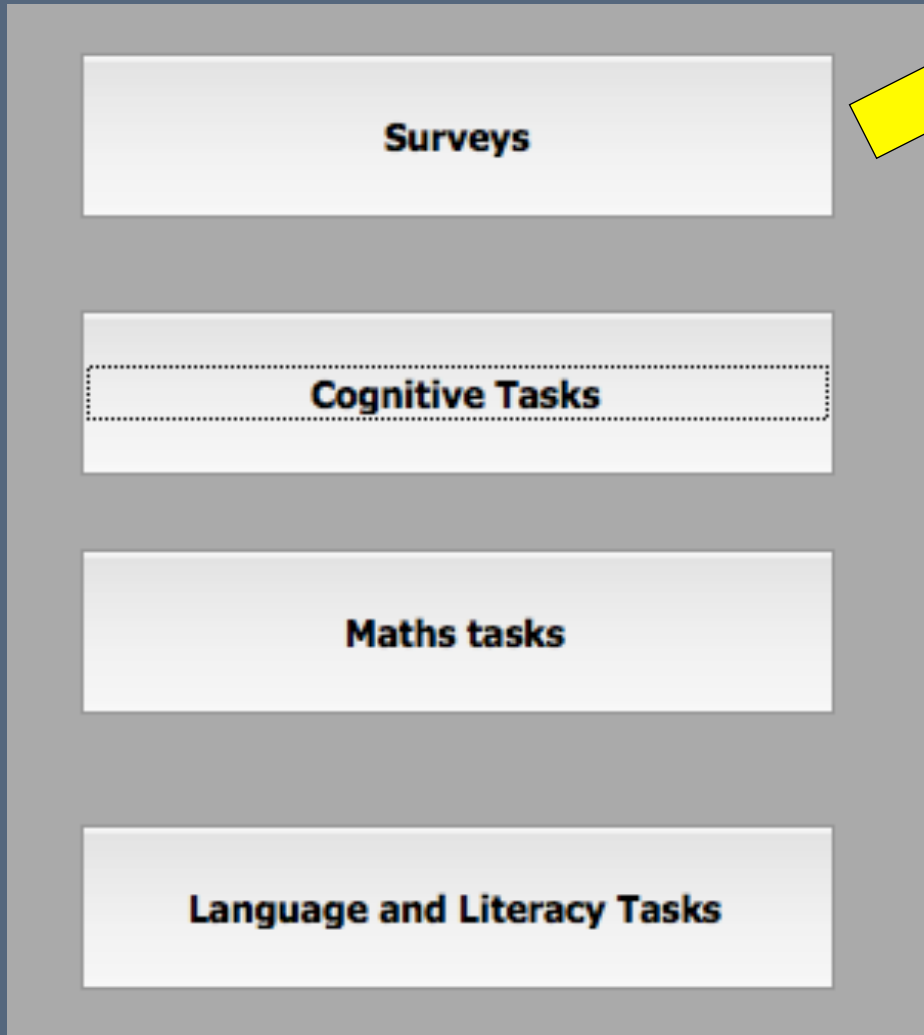
Surveys

Cognitive Tasks

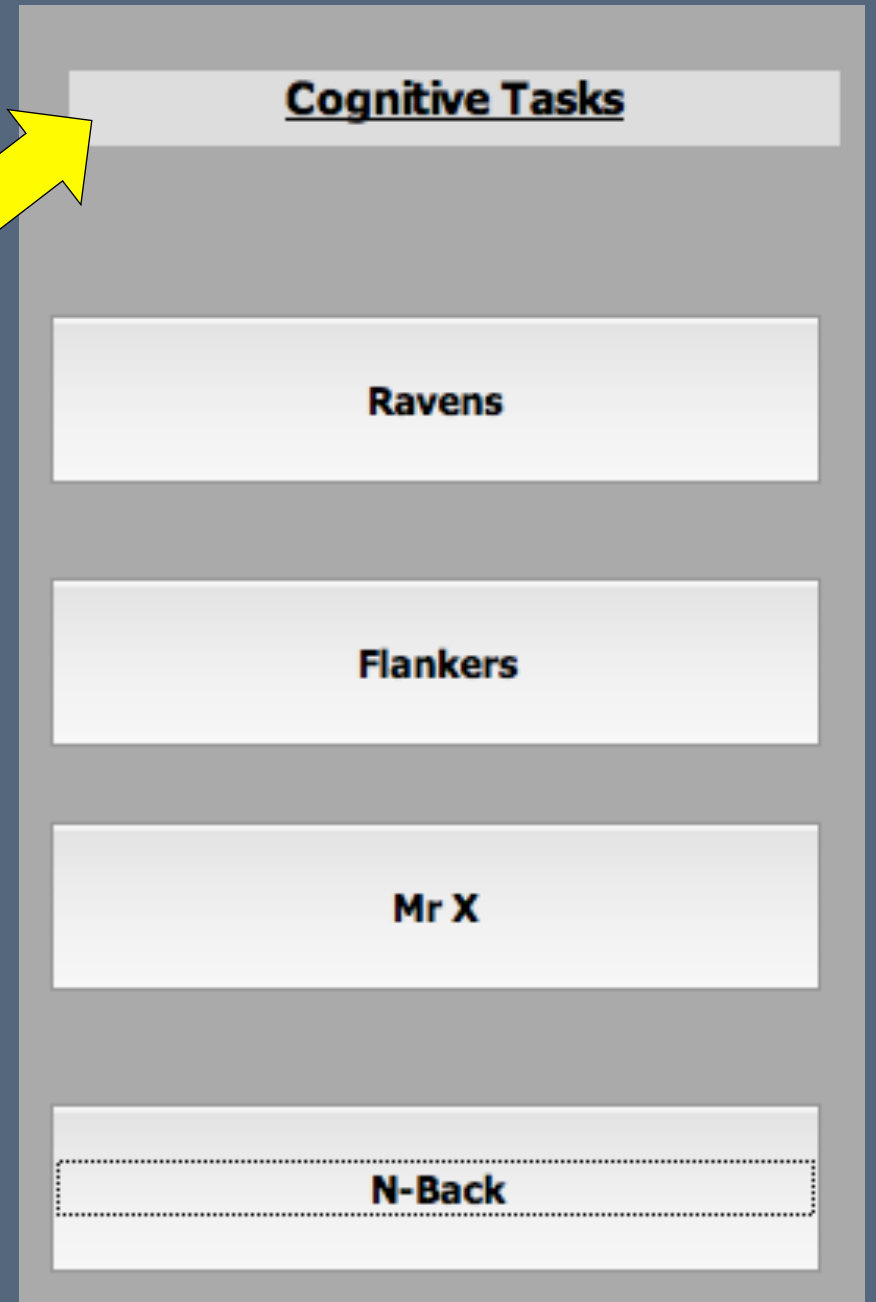
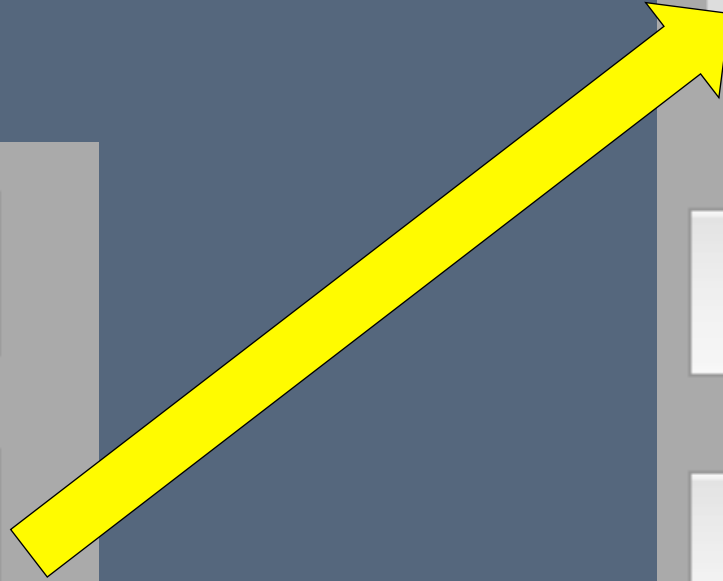
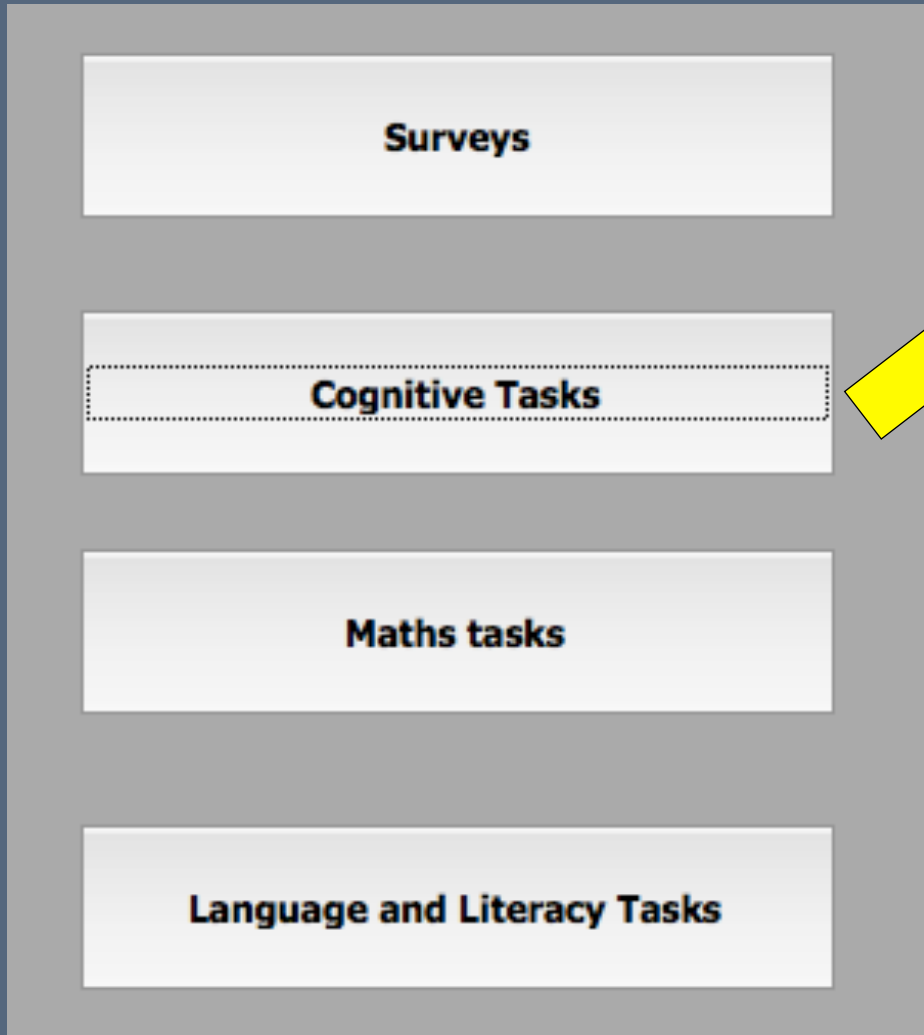
Maths tasks

Language and Literacy Tasks

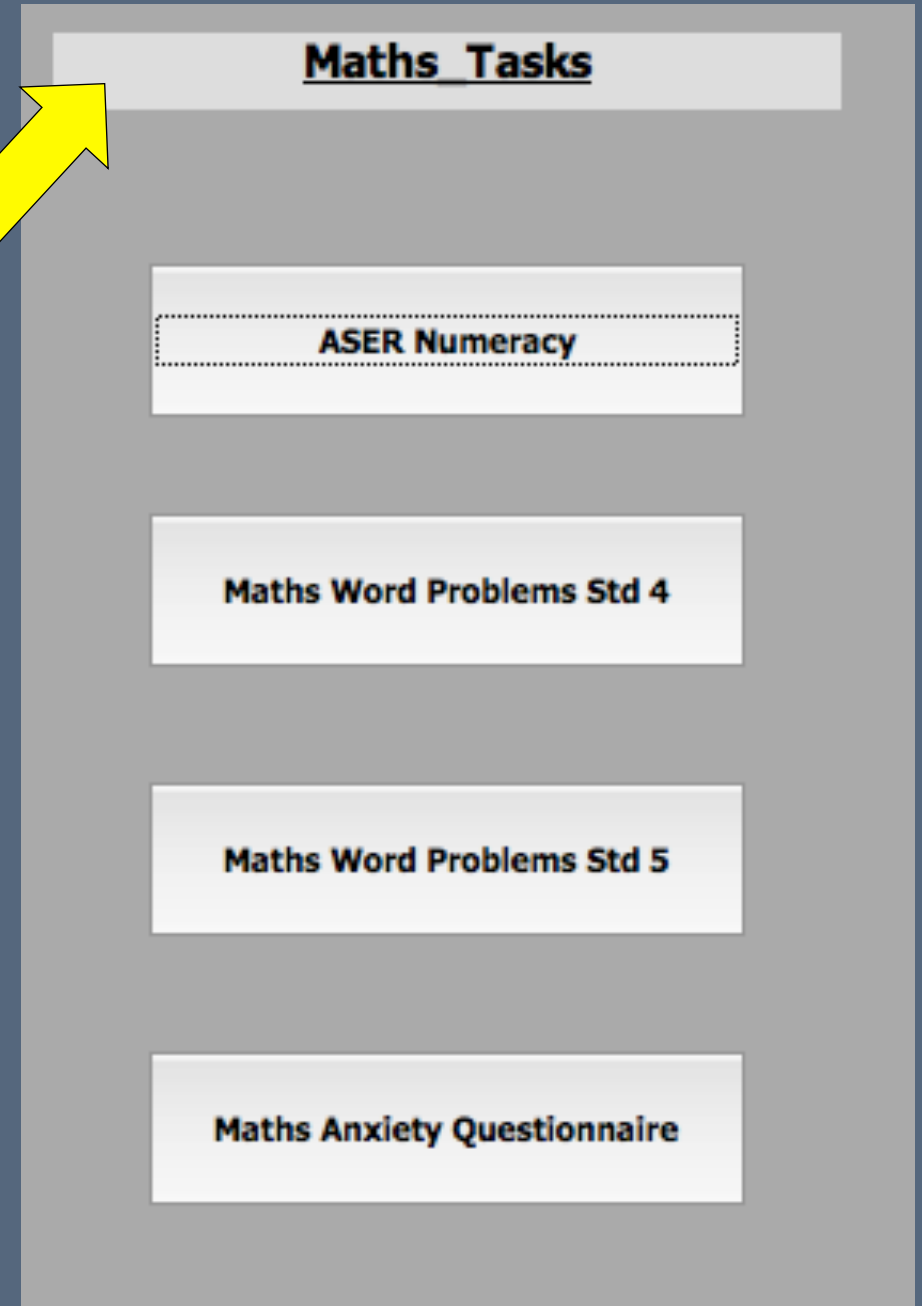
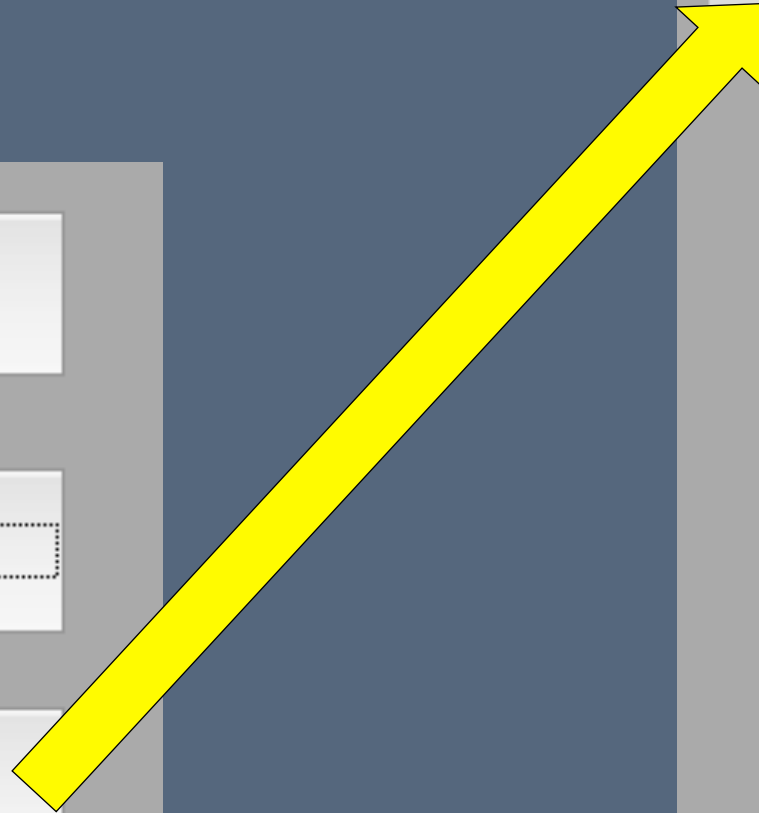
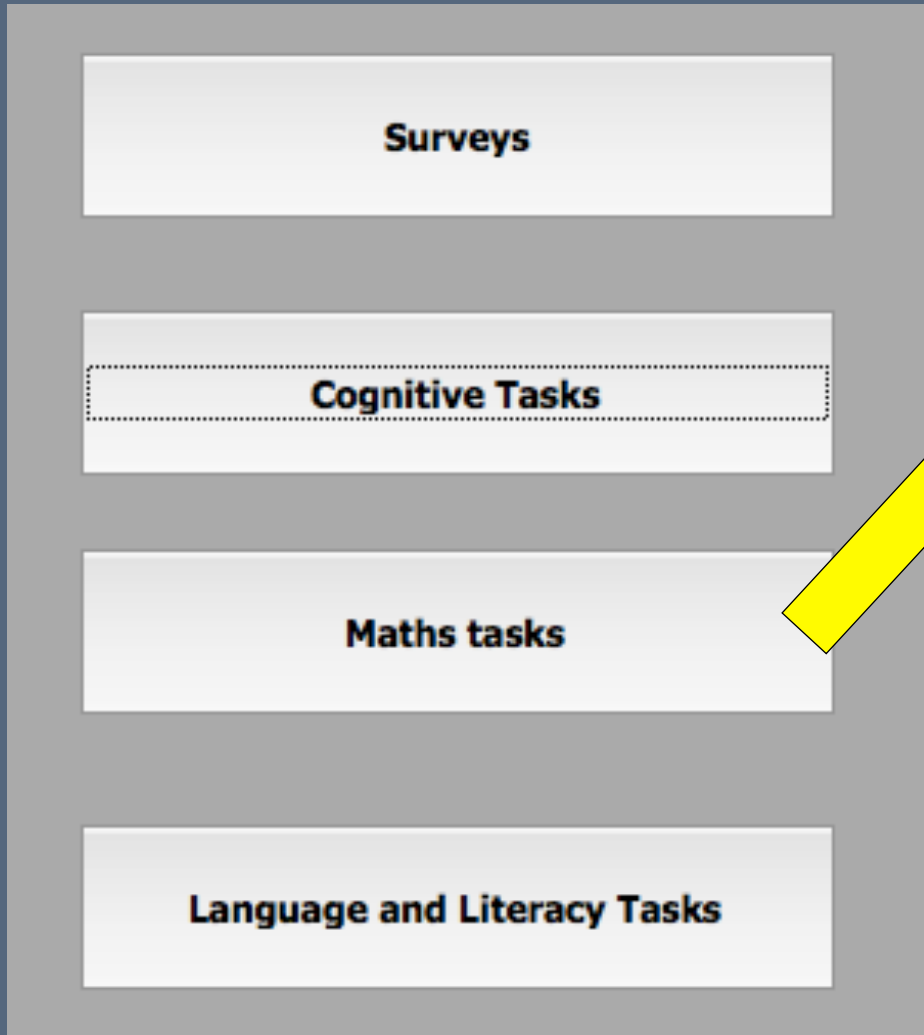
Tasks



Tasks



Tasks



Tasks

Language and Literacy Tasks

English

Hindi

Bhojpuri

Telugu

Other

Narrative Telling

Narrative Telling

Narrative Telling

Narrative Telling

Narrative Telling

Narrative Retelling

Narrative Retelling

Narrative Retelling

Narrative Retelling

Narrative Retelling

Semantic Fluency

Semantic Fluency

Semantic Fluency

Semantic Fluency

Semantic Fluency

ASER Literacy

ASER_Literacy

ASER_Literacy

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