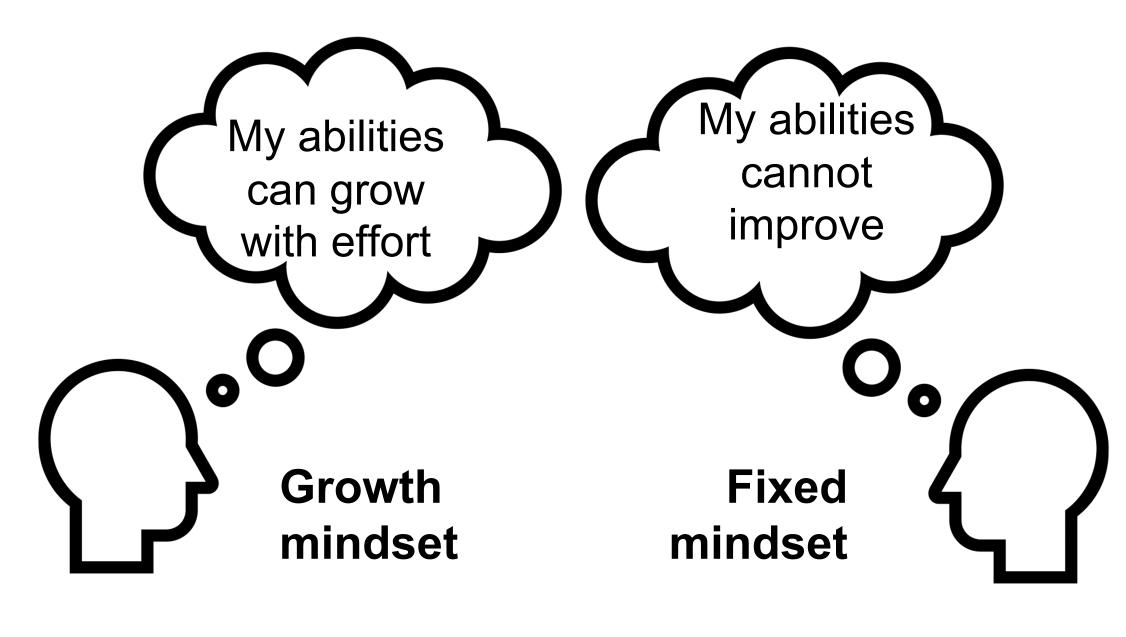
# Blue or Pink? Art or Math? Gender Roles and Children's Implicit Theories of Ability in the Arts and Sciences College of Arts and Sciences Chellam Antony & Dr. Matthew Kim

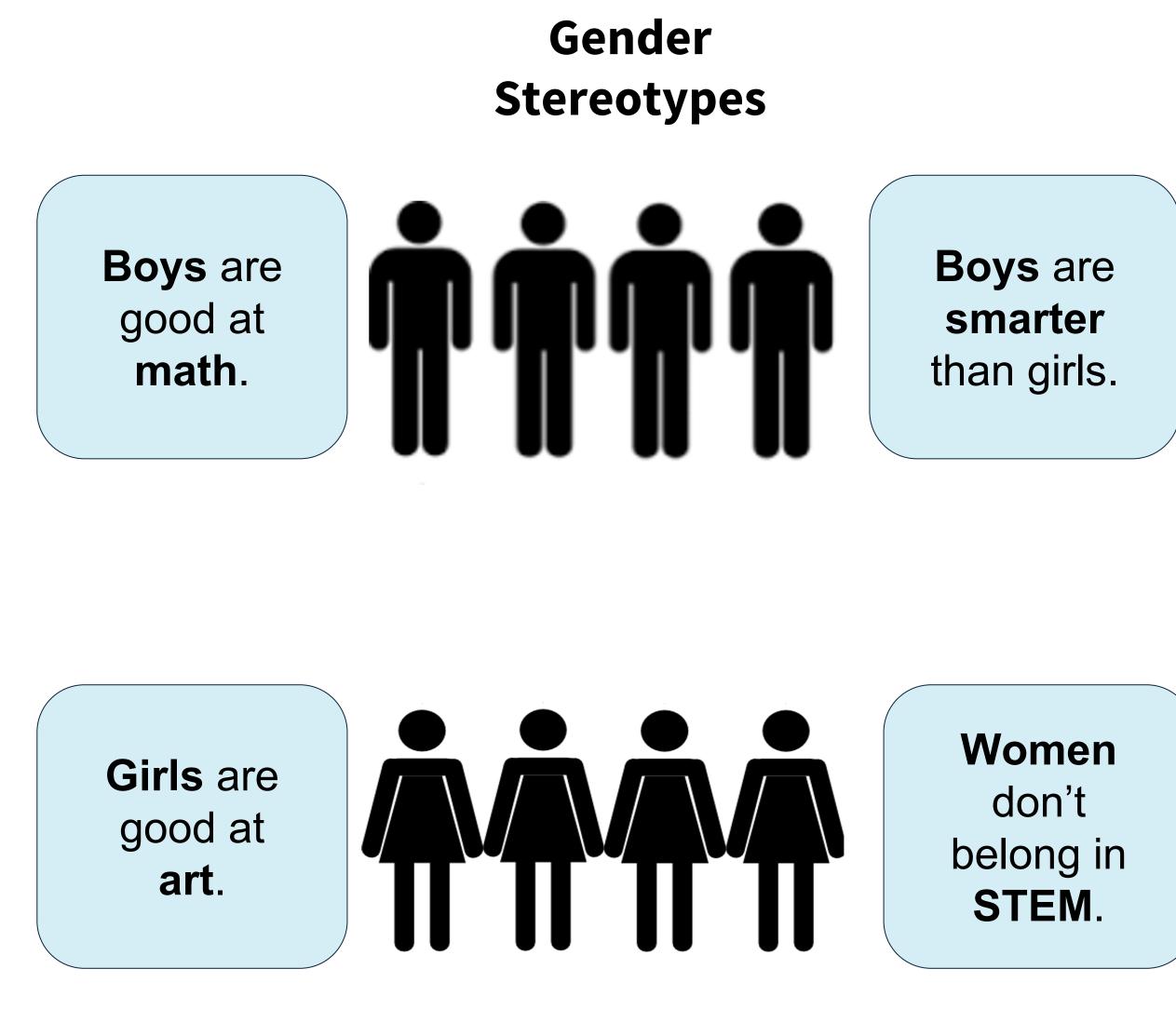
Department of Psychology

INTRODUCTION

Implicit theories of ability



Individuals possess different beliefs about the malleability of human attributes such as academic ability, also known as implicit theories of ability or ability mindsets (Dweck, 2011)

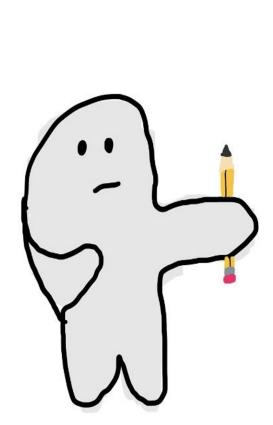


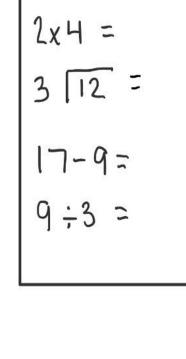
Individuals also possess gender stereotypes about subject-specific abilities that might shape ability mindsets (Levine & Pantoja, 2022)

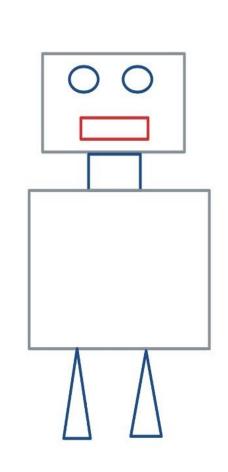
METHOD **RESEARCH QUESTIONS** > Participants: About 100 children (ages 5 to 11) >Measures: Data will be collected through one-onone interviews **INTERVIEW PROTOCOL** 

- $\succ$ What beliefs do children have about STEM and art ability?
- $\succ$  Are these beliefs associated with gender stereotypes?

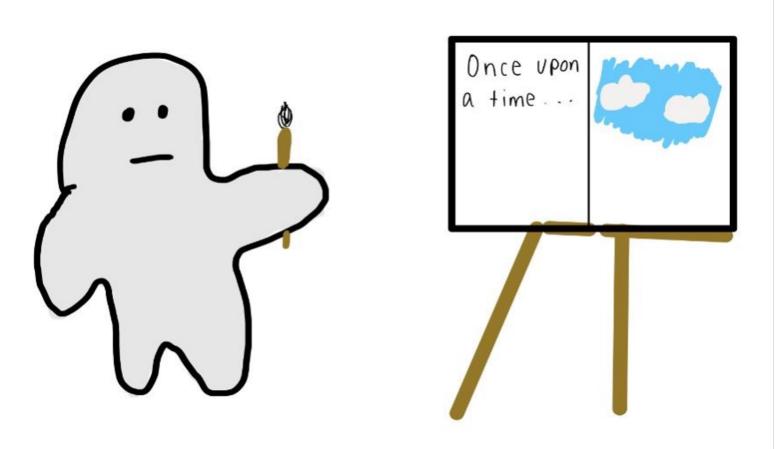
Participants will hear stories about gender-neutral characters participating in two subject areas: STEM and art.







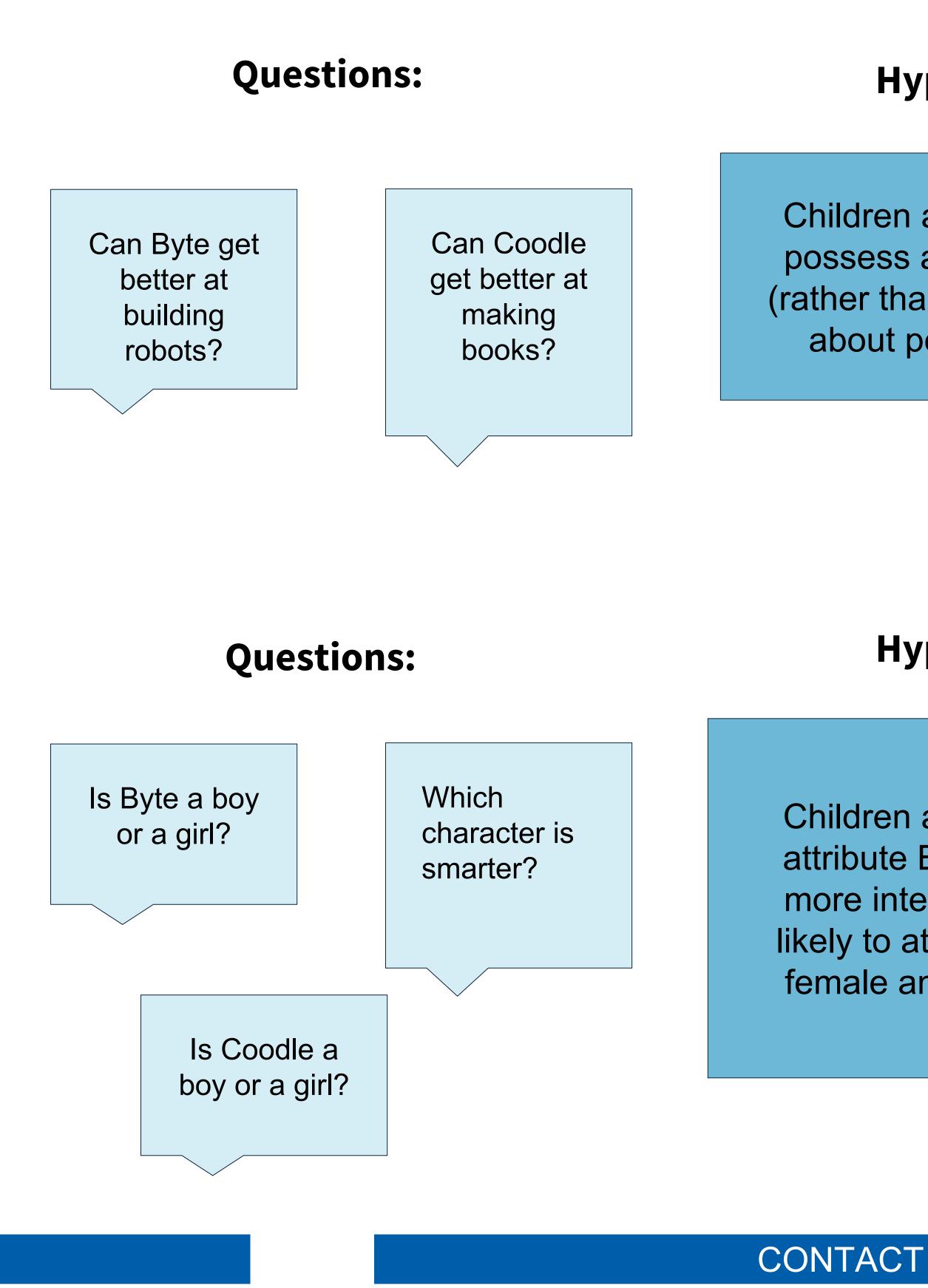
Byte is having trouble with math problems and doing experiments.



Coodle is having trouble with writing a story and drawing the book characters.

NEXT STEPS

- Recruit and collect data from children
- Code children's interview responses
- Analyze data using quantitative and qualitative methods



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### Hypothesis:

Children are more likely to possess a growth mindset (rather than a fixed mindset) about people's abilities

## Hypothesis:

Children are more likely to attribute Byte as male and more intelligent, and more likely to attribute Coodle as female and less intelligent

