



Invitation to Participate in Research

We are investigating the effects of an intervention package on the STEM inquiry skills of children with intellectual and/or developmental disabilities

PURPOSE: The purpose of this study is to determine the effects of an intervention package on inquiry skills among children ages 8-10 diagnosed with an intellectual and/or developmental disability. The intervention package will be embedded within a 6-week one-on-one science, technology, engineering, and mathematics (STEM) program with content from the Ontario educational curriculum.

WHO: Children ages 8-10 diagnosed with an intellectual and/or developmental disability from a registered healthcare professional. Participants must be able to watch a video-clip presented on a screen for 30 seconds, follow one-step directions, speak in sentences of at least three words, and attend a 1-hour lesson with breaks.

HOW: The study will take place over zoom. Children will attend a 1-hour STEM session five times per week for approximately 6 weeks in addition to five 1-hour follow-up sessions two weeks following the end of the program. During the sessions children will work one-on-one with a program facilitator. Children will be taught inquiry skills that involve hands-on experimentation. Children will also be required to attend a 1.5-hour pre- and a 1.5-hour post-assessment.

As a caregiver you will be asked to complete a 10-minute screening interview to ensure that your child is eligible to participate. If eligible, your involvement with the screening and a pre- and post-assessment will take approximately 3 hours. You will be required to assist your child with the set-up and clean-up of materials for each lesson.

The total time commitment for the study is 45 to 50 hours over the course of 9 weeks.

CONTACT INFORMATION

If you would like more information on this study please contact the researchers at the contact information given below.



Kailee Liesemer, MA Student

Faculty of Education, Western University
Student Investigator
klieseme@uwo.ca 519-901-2820

Gabrielle Lee, PhD, BCBA-D

Faculty of Education, Western University
Principal Investigator
glee329@uwo.ca

