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.

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