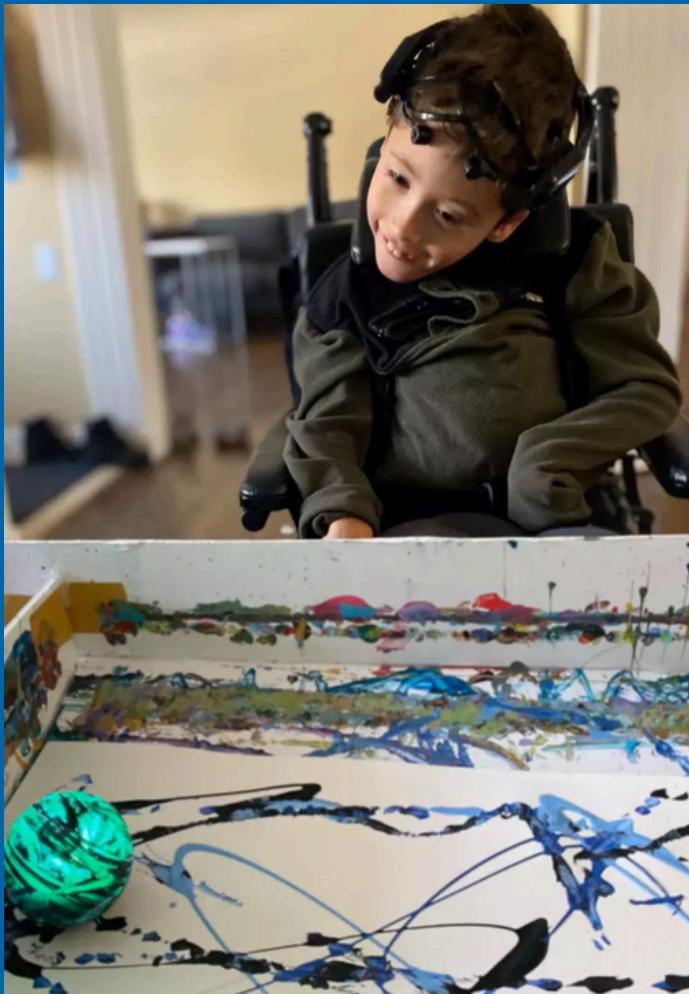




BCI@home



INTERESTED IN PARTICIPATING?

If you are interested in participating or have any questions, please contact us:

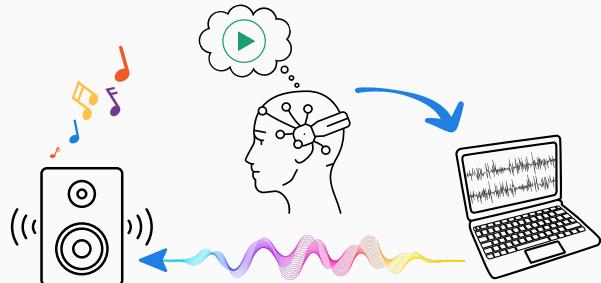
cpsp.bci4kids@ucalgary.ca

WHAT IS THIS STUDY ABOUT?

This study involves using a Brain Computer Interface (BCI) at home. Weekly sessions and online support are available to help families use BCI. This study aims to learn two things: (1) If using BCI at home helps kids achieve participation-based goals; and (2) If using BCI at home helps more families access BCI.

WHAT IS A BCI?

A BCI is a system that **reads your brain signals from outside your head**. How? Your brain produces electrical signals when you think. Sensors in a headset pick up these signals from the surface of your scalp. A computer reads the signals to figure out what you're trying to do, like play a song. The BCI then **translates your thoughts into actions** so the song plays.



WHO CAN PARTICIPATE?

Kids aged 5 to 18 years old who:

- Have a physical disability and have difficulty walking and moving their hands, and/or talking.
- Complete a screening process to ensure BCI and the study is a good fit for them.

WHAT'S INVOLVED?

- Use BCI at home for activities that match participant's goals and interests.
- Families are loaned all the equipment needed.
- Complete 12 weekly sessions over video call.
- The 12 sessions happen over 3-6 months.
- Online support available evenings & weekends.
- Before and after the program, families complete assessments online or on the phone.