HOW DO WE STUDY THE BRAIN?

• We play interactive computer games while taking pictures of the brain.

• Pictures are taken using a Magnetic Resonance Imaging (MRI) machine.

• We use the MRI to measures patterns of brain activity.

• The MRI is a safe, non-invasive and widely used tool, and it is often utilized in clinical practice.

CONTACT US!

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Date of IRB Approval: 06/21/2021
**DEAF AND HARD OF HEARING READING PROJECT**

**WHAT WE DO**

Study how DHH children’s brains develop and how they change when learning to understand written language!

**WHY PARTICIPATE?**

- Participants will be paid *(including travel expenses for those who must drive far or fly to Nashville)*
- Receive your child’s standardized test scores
- Help unravel the mystery behind how d/Deaf and hard of hearing children learn to read

**WHO CAN PARTICIPATE?**

- 10-16 year olds who are d/Deaf, hard of hearing, and hearing
- Use of English, American Sign Language, or both to communicate
- Use of most assistive hearing devices or no device at all
- Does not have cochlear implants

**WHAT TO EXPECT**

Children will be asked to participate in multiple sessions including:

- Multiple sessions
- Playing interactive learning games
- Standardized testing
- Experience a mock MRI & a real MRI *(Magnetic Resonance Imaging is safe and non-invasive)*

Testing can take place during the day, after school, or on weekends at Vanderbilt University.

Date of IRB Approval: 06/21/2021