

NOISY AND QUIET CLASSROOMS



Hello! We're looking for children aged 6 to 11 to join us in a fun study at Lancaster University! In our brand-new, super high-tech classroom lab (which looks and feels just like a real classroom!), you'll:

- Try out cool gadgets
- Play fun listening and memory games
- Help us learn how children hear and listen in noisy and quiet classrooms

WHY ARE WE DOING THIS RESEARCH?

We know real classrooms can get super noisy, and that can make it tricky for some children to listen, focus, and learn.

This study will help us understand how children, both hearing and deaf, pay attention and learn in different kinds of classroom environments: quiet ones and noisy ones!

By taking part, you'll be helping us learn more about how children like you focus and learn in these different settings.



DO I HAVE TO TAKE PART?



You don't have to join if you don't want to.

It's your choice and your guardian will help you decide. If you do join, you can stop at any time. That's totally okay!

WILL MY INFORMATION BE KEPT PRIVATE

GDPR is a law that helps keep your personal information safe. In this study, we will use some information about you but only what we need.

Very few people will see your name, and everyone will keep it safe.

After the study, we might keep some information to check things or help with future research, but nobody will know it's about you.



**SCAN
ME!**

Scan the QR code to watch a short video that explains GDPR.

**Want to see where
you'll be going?**

Check out the video below to meet the team and get a sneak peek of the lab!

Scan the QR code to watch.



Scan Me!



USING MICROPHONES AND CAMERAS IN OUR ACTIVITIES



Microphones

For some of the games and activities, we use microphones to help us remember what you say in the games.

Cameras

For some of the games and activities, we use video to see what happens during the tasks and to help keep everyone safe.



WHY DO WE DO THIS?

These recordings help us look back later to make sure we didn't miss anything important you said or did. We will let you know for each activity if your voice or video is being recorded.

WHAT WILL I BE ASKED TO DO?

If you decide to join the study, here's what will happen: You'll visit Lancaster University two times for fun activities like listening and memory games. These two visits will take most of the day, but don't worry! There will be plenty of breaks and fun games to keep it exciting.

1st visit

You'll take part in our classroom activity. You'll be in a special room made to look and feel like a real classroom.



There will even be a friendly teacher to guide the session and help make everything fun and easy! Here's what you might wear during this visit:

- A comfy cap with little red lights (called fNIRS) to see how your brain is working
- Glasses that track where you're looking
- A small microphone to pick up your voice
- Small motion capture sensors on the glasses that will help our special cameras see how you move around the room.

You might do the classroom activity with a teacher on your own, or with a teacher and two other children around your age.

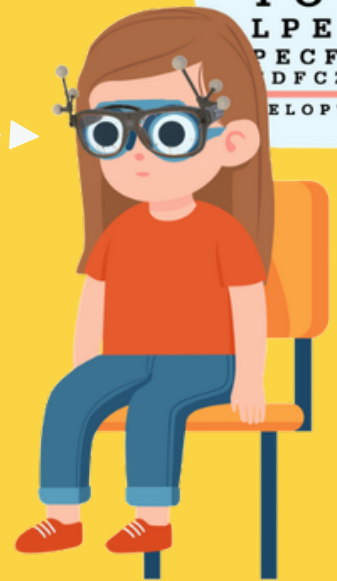
Eye-Tracking Glasses (ET)

These are special glasses that show us where your eyes are looking. They don't change your vision or hurt at all. They just help us see what catches your attention in the classroom.



Functional near-infrared spectroscopy (fNIRS)

The fNIRS kit helps us see how your brain is working. It includes a special cap and other equipment that will be in a backpack for you to carry. The cap fits comfortably on your head and helps us measure your brain's activity while you do fun activities!



2nd visit

A few weeks later, you'll come back for your second visit. We will check your hearing by looking inside your ears, checking your ear health and doing a quick hearing test.

You'll also do some fun activities like listening and memory games, and a little bit of reading and maths.

These help us learn more about how your brain works when you're learning and paying attention, just like you would in a real classroom!





WILL ANYTHING UPSET ME?

Everything we do is safe. You might feel a bit tired from travelling or doing activities. The fNIRS cap and eye-tracking glasses might feel a little strange at first, but we'll take breaks and make sure you're comfortable.

If anything doesn't feel right, we'll stop.

HOW CAN I ASK QUESTIONS OR STOP IF I CHANGE MY MIND?

If you have any questions or change your mind about taking part, just tell your parent or a researcher. You can also contact the research team at Lancaster University:



Dr Brandon O'Hanlon

Dr Katharina Kaduk

Dr Hannah J. Stewart



01524 524479



icat@lancaster.ac.uk