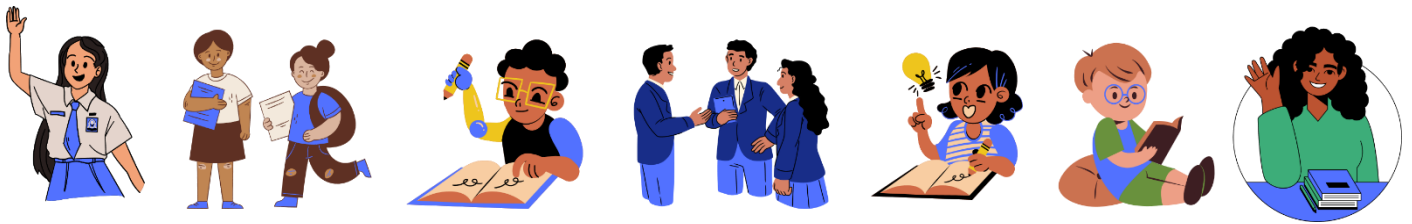




## Promoting Reward-Oriented Pathways to Enhance Language learning (PROPEL)

*This study aims to understand how reward and motivation influence word learning in children*

The Neuroscience of Communication Development Lab (N-CoDe Lab) is a research lab in the Psychology and Language Sciences division at University College London. The lab is led by Professor Saloni Krishnan. We are interested in how children are motivated to learn.



Find out more about us on our lab website: [www.ncodelab.com](http://www.ncodelab.com)

### Why are you doing this research?

Children may learn information better when they learn in different ways. For example, some rewards may make you feel more motivated - or even unmotivated - to learn. By doing this research we would like to understand how motivation can influence language learning.

### Why have I been invited to take part?

We have invited children in between the years of 8-11.

### Do I have to take part?

No, it is up to you to decide. If you choose to take part, you can change your mind anytime. You do not need to give a reason. If you choose not to take part, you don't have to tell us why, and no one will be annoyed with you. It is YOUR choice.

### What happens if I decide to take part in this study?

Your [school / parents or guardians] have said it is okay for you to take part. But it is your choice. If you agree to take part, we will give you a sheet to sign.

Some parts of the study will be in-person, and some of it will be done online. When we meet in-person, we will ask you to play a set of games. These may involve reading words out loud, solving puzzles or playing with your parent. In the online session, we will try and teach you some new words to understand how you learn best. We will clearly explain the games and what we want you to do. Most children

find the games fun. You can take as many breaks as you need, and there are no right/ wrong answers in the game.

We will also invite you to complete some further games 1 week after your last session, for example, to see if you can remember what you learned.

### Are there any risks?


Taking part in this study will not involve any risks to you. If you feel uncomfortable at any point or want to stop, please let us know!

### Will taking part help me?

While there are no personal benefits to you, you are making a valuable contribution to our work and we hope this work will lead to methods to help people learn better.

You will also have a chance to win a small prize (such as stickers or stationery) based on your performance, this will be given to you by the researcher.

### Will anyone know I have done this study?

 Only the research team and your family, or trustworthy people at the university, will know that you took part in the study. Of course, you can tell people if you want to!

We will collect some information about you, such as your age and gender. We need to collect this data to

determine if any of these factors influence people's performance in the games you would be playing.

Sometimes we will record your voice and video when it is necessary for us to score your answers after the study. We will delete your recordings once the audio and video has been scored. We will give your answers a code instead of your name, like ABC123. Other researchers will only see the code and your responses, never your name.

We have an approved data management plan that includes keeping your personal data safe on password-protected computers and servers. If you want, you can ask your parent/ guardian for our data protection policy. Everything you say while you are with us will be treated as confidential unless we are worried that there is a risk of harm to you or another young person, in which case we will inform Surrey Children's Services.

### How will you use the results?



We would like to publish the results of this study in a scientific journal. We might also talk about it at other universities, conferences, and on the internet and social media or share your answers with other researchers. It will not be possible for anyone to identify you from our results, as researchers will only see a summary or a code identifying you.

### Who is funding this research?

The research is funded by UKRI (Medical Research Council).

### What if I have more questions?

You, your family, or teachers can always get in touch with the research team. If you wish to remove your data, please ask your parents or teacher to contact the research team. This will be possible up to a week from your participation, after which we will not be able to remove your anonymised data.

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### Ethical approval

This study has received ethics approval from UCL's Research Ethics Committee, with the approval ID of [Ethics approval letter 6641.004.pdf].

If you are unhappy about any part of this study, you should tell someone in your family or at your school, who will get in touch with us. If we cannot answer your questions, your parent or teacher can email [ethics@ucl.ac.uk](mailto:ethics@ucl.ac.uk) OR If they wish to make a formal complaint, [researchintegrity@ucl.ac.uk](mailto:researchintegrity@ucl.ac.uk)