

**School of Psychology
Information Sheet**



**The University of
Nottingham**

UNITED KINGDOM • CHINA • MALAYSIA

Title of Project: **Can working memory be improved with non-invasive brain stimulation?**

Insert Ethics Approval Number: F1549

Researchers: Dr Katherine Dyke, Dr Claudia Danielmeier, Dr Ryan Elson

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This is an invitation to take part in a research study on memory and non-invasive brain stimulation (tDCS).

Before you decide if you wish to take part, it is important for you to understand why the research is being done and what it will involve. Please take time to read the following information carefully.

If you participate, you will complete a computer memory game four times, where you will receive the brain stimulation during 2 of them, which has a temporary effect of increasing or decreasing brain cell activity.

The application of tDCS involves attaching electrodes in thin saline solution soaked sponges to your head. During tDCS stimulation, a weak current will pass through the electrodes. While stimulated, you may experience an itching, tingling, or burning sensation. tDCS has been used widely in research for over a decade and no serious adverse effects have been reported. Currently, the only known risks are skin irritation for participants with sensitive skin or open head wounds.

In the unlikely event of you noticing any adverse effects after the stimulation you should inform the researcher. As a safety precaution, you will have to fill in a Safety Screening Questionnaire before and an Adverse Effects Questionnaire after the experiment asking how tDCS felt to you.

There will be two 20mins breaks between these games and you will be asked to complete some short questionnaires during these.

The whole procedure will last roughly 2-3 hours.

You will receive an inconvenience fee for participating as a thank you!

Participation in this study is totally voluntary and you are under no obligation to take part. You are free to withdraw at any point before or during the study. All data collected will be kept confidential and used for research purposes only. It will be stored in compliance with the Data Protection Act.

If you have any questions or concerns please don't hesitate to ask now. We can also be contacted after your participation at the above address.

If you have any complaints about the study, please contact:

Stephen Jackson (Chair of Ethics Committee)

stephen.jackson@nottingham.ac.uk