**Participant Information Sheet**

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| Project title: | Intelligent learning software for typically developing children using machine learning agents |
| User study: | COGNITION PUZZLES USER STUDY |
| Principal investigator: | Charaka Palansuriya, Aurora Constantin |
| Researcher collecting data: | Xingran Ruan |
| RT number: | 589435 |

Hello!

We are Xingran, Charaka, and Aurora, a team working on an exciting project at the University of Edinburgh. Our study aims to explore how children’s cognitive performance can influence their facial expressions. We’ve developed a fun app filled with engaging puzzle games, and we’d love for you to try it out! Your participation would be invaluable to our research and we hope you will enjoy the experience as well.

Participants can **change mind and quit from study at any time.**

**Who is organising the study?**

This is Xingran Ruan. His job is to help participants familiarise with the application and explain any questions.

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| A person wearing glasses  Description automatically generated with medium confidence |
| Xingran Ruan |

**How can you help?**

We will invite you to relax and have a great time using the application. It’s all about having fun and doing their best—no pressure at all! Plus, there’s no need to worry; this won’t affect your school grades in any way.

**What will happen if you want to help?**

If you choose to participate and play our puzzle games, rest assured it will have no impact on your school grades or lead to any trouble. We hope our app will even enhance your problem-solving skills!

Our app features six unique puzzles. The entire activity will take about 40 minutes, but feel free to take breaks whenever needed.

Please note that while you play, our webcam will record a video for research purposes, but rest easy—only our research team will view it. We adhere to strict privacy rules to ensure all your information remains secure and confidential. We'll keep all your information safe and private, following some strict rules in ‘**Data protection and confidentiality**’.

If you're worried or have any questions, you can always ask Xingran at [xruan@ed.ac.uk](mailto:xruan@ed.ac.uk).

**What will happen after user study?**

The results of this study will be summarised in published articles, reports and presentations. Quotes or key findings will be anonymised: We will remove any information that could, in our assessment, allow anyone to identify you.

With your consent, all original data will be archived for a maximum of 1 week. All data that can potentially identify participants will be deleted within this timeframe if it has not already been deleted as part of anonymisation.

**Do you want to ask a question?**

It is OK to have more questions. You can ask the researchers as many questions as you want about the experiment.