

Plain Language Statement Information Sheet

School: School of Computing, Engineering and Physical Sciences

Project Title: Serious Games in Chemistry

Computing Hons Project Student: Yu-Ching Ho

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Programme Title: BSc (Hons) in: Computer Games Development

Dear participant,

You are being invited to take part in my research study – as above. Before you decide it is important for you to understand why the research is being done and what will be involved. Please take time to read the following information carefully and discuss it with others if you wish. Ask us if there is anything that is not clear or if you would like more information. Please take your time in deciding if you wish to take part and thank you for reading this.

What is the purpose of the study?

The purpose of the study is to see whether a game can be a tool to assist in learning as well as improving knowledge retention in Chemistry. The subject area is the first 18 elements of the Periodic Table. If the participant has no prior knowledge of the subject area, the game is there to build a fun introduction and foundation to Chemistry. If the participant does know the subject area, the game is there as a revision tool and potentially learn something new outside their curriculum. In both cases, hopefully the participant will want to learn more and undertake extra-curricular research.

Why have I been chosen?

The target participants for this experiment are university students who are interested in learning Chemistry or using the game as a revision tool.

Do I have to take part?

It is up to you to decide whether or not to take part. If you do decide to take part you will be given this information sheet to keep and be asked to sign a consent form. If you decide to take part you are still free to withdraw at any time and without giving a reason. A decision not to participate will not affect your grades in any way.

What will happen to me if I take part?

As a participating subject you will be asked to do a small quiz of ten questions to rate your knowledge of Chemistry beforehand. You will be asked to play the game on PC or mobile (your preference) and the game will take an average of 10 minutes to play. After the game, another small quiz of ten questions is to be completed. The second test will be harder and slightly different from the first test. Both test results will be compiled to see if there has been any change between the results.

Will my taking part in this study be kept confidential?

All information, which is collected, about you during the course of the research will be kept strictly confidential. You will be identified by an ID number or letter and any information about you will have your name, address and all other identifiable details removed so that you cannot be recognised from it.

What will happen to the results of the research study?

A bound copy of the completed Hons Project report may be stored at the University of the West of Scotland library (subject to approval).

Who is organising the research?

The School of Engineering and Computing at the University of the West of Scotland is organising this Computing Hons Project.

Who has reviewed the study?

The project has been reviewed by the student's supervisor, moderator, year leader, module coordinator and chair of the School of Engineering and Computing Ethics Committee.

Contact for Further Information

For further information please contact:

Computing Hons Project Student: Yu-Ching Ho

Email address: B00264983@studentmail.uws.ac.uk

Alternatively, if participants have any concerns regarding the conduct of the research project please contact the School of Computing, Engineering and Physical Sciences Ethics Committee Chair by contacting Dr John Hughes – john.hughes@uws.ac.uk.

Thank you for taking part in this study.