

AHA-ADHD

INNOVATIVE LEARNING



For more information
on this project please
visit <http://aha.ucd.ie>
or email aha@ucd.ie.

If you want to talk
HADD-ADHD Ireland,
please call them on
01-8748349
or email Ken Kilbride
at ken@hadd.ie.

We welcome any questions you
may have about this project.



AHA
ADHD – AUGMENTED



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Information on the AHA-ADHD Augmented Project



WHAT IS THIS RESEARCH ABOUT? This pilot study will integrate existing digital solutions that have shown to support teachers in the classroom and parents at home with students who have ADHD (Attention Deficit Hyperactivity Disorder). AHA (ADHD Augmented) will deliver an Augmented Reality (AR) solution for an existing on line literacy programme, which we hope will enable students with ADHD to stay focused, make fewer mistakes and to finish assignments at school as well as homework.

WHO IS DOING THIS RESEARCH? This is a pilot study project funded from EURO-PEAN COMMISSION Directorate-General for Communications Networks, Content and Technology and it is coordinated by Assoc. Prof. Eleni Mangina, from the School of Computer Science in UCD, in partnership with HADD-ADHD Ireland, WordsWorth Learning (Ireland) and Consiglio Nazionale Delle Ricerche (Italy)

WHY I AM DOING THIS RESEARCH? By taking part in this pilot you can help us to develop the next generation of tools to help educate children not only here in Ireland but should this initiative show itself to be useful, we see this tool being used by children with ADHD worldwide.

WHY HAVE YOU BEEN INVITED TO TAKE PART? To help us in this research project we are looking for participants from the Irish primary system who meet the following criteria:

- Currently in 3rd, 4th or 5th class (4th, 5th or 6th in 2018/19 Academic year)
- Have a diagnosis of ADHD
- While most of the work on this will be done in school, children can follow-up at home and to do so will need Internet access.

HOW WILL YOUR DATA BE USED? Based on your experience and using best practices of existing technologies, in conjunction with evolving Augmented Reality technologies, AHA will develop a programme to reach out to students with ADHD and concentration problems to assist them through this technology to positively impact their concentration and learning outcomes. Arrangements will be in place throughout the pilot study to ensure that the identity of each participant remains confidential and all data collected from this research will be anonymous and/or de-identified.

WHAT WILL HAPPEN IF YOU DECIDE TO TAKE PART IN THIS RESEARCH STUDY? Students will be randomly appointed into 3 groups (a control group without intervention, a group with WWL intervention, and a group with AR WWL intervention). All students will receive a free assessment for literacy skills (reading, spelling etc) prior to starting and then asked to use the tool for 16 weeks. It is expected that each session will take 15 minutes (one session per day Monday – Friday) and will take place during school hours under the supervision of an educational professional. Following these students will then be re-evaluated to see if there has been an impact by experts.

HOW WILL YOUR PRIVACY BE PROTECTED? Prior to signing up all participants will be fully informed on how their privacy will be protected. All paper files will be held in lockable and fireproof cabinets. All online data will be protected using Transport Layer Security (TLS) and its predecessor, Secure SSL (Secure Sockets Layer) Certification, which are the standard security technology for establishing an encrypted link between a web server and a browser. All student data held for the project on a website/database will be de-identified and encrypted for security. All database backups are encrypted. All files will be destroyed 4 years after the completion of the project.

WHAT ARE THE BENEFITS OF TAKING PART IN THIS RESEARCH STUDY? Your participation in this pilot project will help us develop new technologies and digital tools in education – Technologies and tools for children and young people with ADHD. The aim of this project is to focus in particular on the development and integration of existing technologies (mobile apps, online literacy programme, and augmented reality development) to enhance learning and investigate whether the combination of such technologies can assist students with ADHD to stay focused, make fewer mistakes and to finish assignments at school as well as homework. The benefits from the AHA project are conditional on taking part in the study and can benefit both the students and their parents. Students will improve their reading literacy using an ICT solution tailored for children with ADHD. The parents will be aware of how the solution can support their children learning and to help them monitor their learning processes. Participants in this project will avail of:

- Free pre and post assessment of students diagnosed with ADHD from a qualified practitioner in Speech and Language Therapy
- Parents, teachers and students will have free access to WWL (Words Worth Learning) web literacy programme
- Parents and students will have access to HADD facilities
- Parents and teachers will have access to an international network of experts involved with research on ADHD

WHAT ARE THE RISKS OF TAKING PART IN THIS RESEARCH STUDY? There is minimal risk to participants in taking part in this research project. We will ensure that all adults (except parents) in contact with children during this project are Garda vetted. The AHA project will follow the highest ethical guidelines in University College Dublin (UCD) in terms of ethics procedures and will follow the highest standards in relation to confidentiality, data protection and anonymity.

CAN YOU CHANGE YOUR MIND AT ANY STAGE AND WITHDRAW FROM THE STUDY? Yes, if at any time you decide that you do not wish to participate you may withdraw and there are absolutely no negative consequences for you or your child/student in choosing not to participate. Should you choose to withdraw it will not affect your child(s)/student(s)' treatment in any way and you do not need to provide a reason why you want to withdraw. If you choose to withdraw from the study before it is finished, any data linked to your participation will be destroyed. There is no penalty for withdrawing. If you decide that you don't want your materials in the study but you already have provided them, contact the researcher of the project. You will not receive any money if you do the study as this is on voluntary basis, however you may benefit academically.

HOW WILL YOU FIND OUT WHAT HAPPENS WITH THIS PROJECT? Once the project is completed and the results have been published, these finding will sent by email to all participants. However please be advised that all data collected is anonymised and de-identified, so this report will contain aggregate data and not personalised information.

CONTACT DETAILS FOR FURTHER INFORMATION: For more information on this project please visit <http://aha.ucd.ie> or email aha@ucd.ie. If you want to talk HADD-ADHD Ireland please call them on 01-8748349 or email Ken Kilbride at ken@hadd.ie. We welcome any questions you may have about this project.

If you would like to take part in this research or get further information, please send us your contact details. Please note separate consent forms will need to be filled in before participation can take place:

NAME:

ADDRESS:

MOBILE:

EMAIL:

I am a parent I am Teacher/SNA etc

Please return this:

Ken Kilbride, CEO HADD-ADHD Ireland,
Carmichael Centre, North Brunswick Street,
Dublin 7 [or](mailto:ken@hadd.ie) by email to ken@hadd.ie.

