

Informed Consent

Letter of Information

The Relationship of Age to Human Beings' Short Term Memory

1. Researcher and Advisors

	First Name	Last Name	Phone	Email
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Scientific Supervisor[1]	Linda	Au	604-668-6430	lau@sd38.bc.ca
School	H.J. Cambie Secondary School			

2. Purpose of the Research

The purpose of our research is to figure out how age is correlated to humans' short term memory. Most people believe that as a person ages, their memory will begin to decline. However, new research has provided us with the possibility that our brain is always developing and changing. This means our brain, where all our memories are stored, will not stop developing until our late twenties. We are interested in figuring out if humans' short term memory will be negatively impacted as he or she ages. We will be testing the short term memory of people between the ages of ten to sixty-nine. We will be testing our participants' short term memory by having them complete a short term memory game. We will then record the time it takes for our participants to finish the game using a stopwatch. Investigating the results, we will finally use them to figure out if short term memory declines with age.

3. Benefits from Participating

Participating in our project will allow participants to gain the chance of being involved in a scientific experiment. This can allow young students to be interested in science and also let the adults figure out what kids these days are learning about. To include, participants

can contribute towards finding out the truth behind memory and ages. They can learn about how a correlation experiment is like and how it is different from a control experiment. Our participants can also ask us any questions they have about our experiment including the way correlation experiments work. They can also compare their results with another age group to grant more interest and confidence in science. Participants are given the chance to do something interesting that can educate them at the same time. This experience will take ten minutes of their time and give them a whole lot of knowledge during the process. Participating in our experiment will not do any harm to the participants. Instead, this is a fun and a once in a lifetime experience to be able to participate in a fun and learning experiment.

4. Risks from Participating

There will not be any significant risks involved in participating in our project. This is a low risk experiment. The only risks that are involved in our experiment are the participant getting frustrated when they flipped over the wrong pairs in our memory game and the participant getting nervous from being timed during the time they are playing the memory game. There will not be any risks that may harm our participants in any way, in our project. This is a very safe experiment.

5. Time Commitment Required

There will not be a specific time commitment required in our project. The maximum amount of time that will take each participant to finish our game and fill out these questions and form will be twenty minutes. Any participants needing more time will not be an issue, since participants are allowed to work at their own pace.

6. Remuneration

There will not be any remuneration or reward paid or given to you for participating in our experiment. Participating will be voluntary. This is the policy of Youth Science Canada that any rewards to not be offered for participants' participation in scientific experiments that might be displayed at Cambie, the Regional Science Fair, the Canada Wide Science Fair, or the International Science Fairs.

7. Confidentiality of Data

All the data that our participants have given us will be kept confidential and private. We promise all our participants' information will not be shared to anymore other than the researchers and advisors listed above. We will promise you by not allowing anyone to look or obtain your information. The only results that will be shared and used for our project would be how long our participants finished the memory game. We will not disclose participants name, email, phone number, etc. All participant's information will be shredded

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and discarded once our project is finished. We will not keep hold of anything confidential. If participants have any questions about how their information will be used, they can ask Tiffany or Radha.

8. Withdrawing from the project

Every participant has a right to withdraw anytime or for any reasons from our project. You can ask for a withdrawal from our project by emailing one of the researchers or advisors listed above. Once we receive your withdrawal email for any reason we will email you back, confirming your withdrawal and will immediately discard any information you have provided us for our research. Participants' information will be discarded confidentially. This way your information will stay safe and private.

9. Results

The results of our research can be given to you through the email you have provided us on the informed consent form you have filled out. If you would not like to know the results of our experiment you can tell us anytime, therefore we will not email you the results. However, we will suggest everyone to obtain and look through our experimental results because we were only able to achieve a result with the help of our participants' contributions in our project.

10. Ethics Approval

We gained our ethics approval from our scientific advisor Ms. Au.

(signature above)