

The Effects of ChatGPT on Self-Directed Learning using Sensory Learning Methods - Informed Consent Form

You are invited to participate in this research study. Use the information provided in this form to decide whether or not you wish to participate. Please read this form in its entirety before signing.

The purpose of this study is to explore the effects of using ChatGPT and different sensory learning methods to learn independently. This study will be conducted in two phases: the initial phase and the follow up phase. The initial phase will be conducted in approximately 30 minutes while the follow up phase will be conducted in approximately 10 minutes. The follow up phase will be completed approximately 1 week after the initial phase. By participating in this research study, you will gain new knowledge about a field not frequently explored in traditional high school education and your own personal learning styles. In addition, you will contribute to greater scientific understanding about the significance of ChatGPT in learning.

During this study, you will be provided with a list of ideas for exploration on the subject matter to guide your learning during this study. Based on this list of topics, you will be asked to write about any previous knowledge that you have in the field. Using one of four randomly assigned sensory learning methods, you will attempt to fill your gaps in learning using ChatGPT, then write about what you have learned after 2 minutes of research. You will repeat the process, this time with 10 minutes of research. After completing the writing and research, you will be surveyed about how you researched what you learned. Then, you will take a learning styles inventory to determine alignment with the learning method used. This concludes the first phase. For the second phase, after at least one week without exposure to the content, you will demonstrate what you remember from the previous phase to measure retention.

Due to the nature of the study, there is minimal risk to the study. However, because participants will be unguided during the research, there is a risk of exposure to emotionally or mentally distressing material. Participants will not be deliberately exposed to these materials. In order to track changes across the research phases, participant names will be collected on the quizzes. However, all materials will be shredded at the conclusion of the study to ensure confidentiality.

Participation in this study is entirely voluntary. Should you decide you no longer wish to participate, you may withdraw from the study at any time. If you choose to participate in this study, you will receive 1 volunteer hour, as well as snacks. Completion of both phases of the study is required to obtain the volunteer hour. If, at any point during the study, you have any questions or wish to withdraw from the study, please contact the researcher.

Participant Signature

Printed Name

Date

Parent Signature

Printed Name

Date