

4-18-2012

Music and its Affect on Learning and Studying

Follow this and additional works at: https://ecommons.udayton.edu/stander_posters

Recommended Citation

"Music and its Affect on Learning and Studying" (2012). *Stander Symposium Posters*. 121.
https://ecommons.udayton.edu/stander_posters/121

This Book is brought to you for free and open access by the Stander Symposium at eCommons. It has been accepted for inclusion in Stander Symposium Posters by an authorized administrator of eCommons. For more information, please contact frice1@udayton.edu, mschlangen1@udayton.edu.



Music and its Affect on Learning and Studying

Jessica Morell

Advisor: Michael Kozak

Abstract

Music is a part of our everyday lives and can affect us in many different ways. Music can have a great affect on the learning process. I have written a paper, and I have done a study that examines how listening to music can affect the learning and studying processes. I conducted a study with thirty-six college student, with different backgrounds, majors, study habits, ages, and genders. The study tests many of the different factors involved with how music can affect learning. The paper I have written includes all of my results and all of the research I have done about how music affects the learning and studying process.

Thesis

Music can be an asset to learning and studying if it is used correctly. Music can be an asset to learning if the all of the different factors are taken into consideration when music is being used. These factors are: the genre of the music, the volume of the music, the preference of the person, the specific task that they are performing, the subject or information that is being learned, the person's type of learning, and how much sleep the person has gotten and/or their alertness.

Study

The study consisted of two videos, two reading comprehensions, and two memorization sections. Each section had two questions at the end. Each section was randomly done with and without classical music by, Philip Glass. Thirty-six students from the University of Dayton took part in the study with different majors, and ages varied ranging from 18 to 23 years old.

Results

This table represents the amount of correct answers from each section.

	Video 1			Video 2	
	with music	without music		with music	without music
Question 1	3 out of 13 23.10%	23-Jul 30.40%	Question 1	20 out of 23 86.90%	10 out of 13 76.90%
Question 2	9 out of 13 69.20%	16 out of 23 69.60%	Question 2	21 out of 23 91.30%	10 out of 13 76.90%
	Reading Comprehension 1			Reading Comprehension 2	
	with music	without music		with music	without music
Question 1	11 out of 13 84.60%	22 out of 23 95.70%	Question 1	17 out of 23 73.90%	11 out of 13 84.60%
Question 2	9 out of 13 69.20%	22 out of 23 95.70%	Question 2	9 out of 13 69.20%	10 out of 13 76.90%
	Memorization 1			Memorization 2	
	with music	without music		with music	without music
Question 1	13 out of 13 100%	23 our of 23 100%	Question 1	16 out of 23 69.60%	11 out of 13 84.60%
Question 2	6 out of 13 46.20%	16 out of 23 69.60%	Question 2	22 out of 23 95.70%	13 out of 13 100%

Conclusion

The study proved that many factors play a part in whether music can have a beneficial role in the learning and studying process. Music helped the most during the video 2 section of the study. Music did not help with any of the other sections of the study. Overall, music can help with the studying and learning processes when used correctly and taking into account the different factors.