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(1/30/26)
7th grade Science
Science Fair Logbook

Logbook

Title: Tune-centrate: The Effects of Music on Concentration

Objective:

- In this experiment I am trying to find what music helps you focus more.

Statement of the Problem:

- What is the problem in this experiment? The problem in this experiment is not knowing what kind of music will help you focus. The reason I want to do this project is because some people like to listen to music while they work. The information gained from this project will help others because it will show what music is better for focus.

Dependent and Independent Variable:

- Independent-The types of music.
- Dependent-How well the music helps you focus or how distracted they are.
- Control-The math power up.

Hypothesis:

If I change the type of music then the amount of questions answered might change because of how distracting the music is.

Materials:

- 1 pair of headphones

- 1 computer
- 1 pencil
- 4 types of music
- 1 timer
- 1 red pen
- 45 math sheets
- 10 students

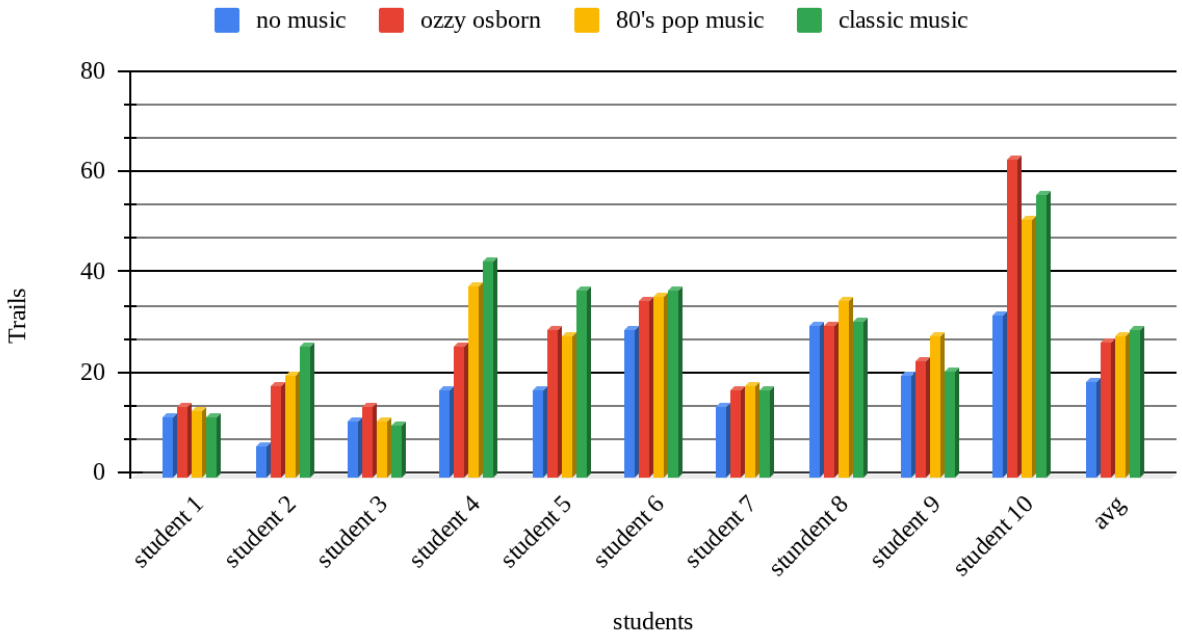
Procedures

1. Gather materials
2. Set up music on computer
3. Plug in headphones
4. Get student #1
5. Give the student a math sheet and a pencil
6. Have student write name
7. Grab timer
8. Set timer for two minutes
9. Have the student start the first sheet with no music
10. Then for student #1 repeat steps 5-8 with the other types of music
11. Then repeat steps 4-10 9 more times
12. After grade all math sheets

Results:

My data shows that many people do not focus without music and more focus with a different type of music. Therefore, most people focus better with music.

Tune-Centrate



Conclusion:

1. The results in my experiment did support my hypothesis because when I changed the music the answers changed.
2. Yes I did accomplish my objective. My experiment was successful and it showed the results I needed.
3. My analysis showed that there were 2 good musics for focus. The best music though was classical music.
4. I learned that some people do better with different music styles
5. Something I would do differently is using a large amount. This time I did 10 students but next time I would do 30 students