

Desiree Vargas

EDG 500

April 3,2023

Lab 8

The grade I will be teaching is 1st grade and the class is made up of 12 students. In the classroom, some of the ethnicities are Dominican, Puerto Rican, Costa Rican, White, and Nigerian. Some students are ethnically mixed, which is a simple way to see various cultures in the classroom. Sometimes, students with a Hispanic/Latino background can be bilingual, primarily speak Spanish, or primarily speak English. Demographics aside, there are students attending that have both their parents present in their lives except for one student. Generally, all parents are involved in the lives of the students which offers a healthy and stable environment to be successful in the classroom.

The primary focus of the school is oriented around Christian faith and education. The school is located in the Inwood neighborhood of Upper Manhattan . There is a middle school and a high school that now runs up to the 11th grade as of this year. The culture of the school is a conservative/traditional kind of culture because of how they integrate the Bible and even a church liturgy (a service). The school strives to give students the best education possible while emphasizing and incorporating biblical lessons. In terms of the classroom itself, there is easily accessible space to partake in class activities the teacher has planned along with a projector and a large white board. Additionally, the teacher has put decorations around the classroom that reflect parts of each lesson being taught and also discusses biblical literature. The teacher has a space in the middle of the classroom that is dedicated to her working while overseeing her students. As

far as instructional planning goes, teachers are provided with a teaching text that holds all lesson plans, materials and instructions.

Lab 9

The subject I will be teaching is science and the specific topic is animal habitats. The independent variable is the content that will be delivered. The dependent variable are the student scores since I am trying to prove if multimedia is encoded and remembered better when it is delivered modes. The instrument I will use to measure the dependent variable is a test consisting of animal habitats material and questions that will measure if they were able to attain the information.

Traditional Teaching

Day One	Introduction (Teacher will start by introducing the unit) - What are habitats?
Day Two	Why are habitats important?
Day Three	What animals live in particular habitats?
Day Four	How do animal habits affect their survival?
Day Five	Explain why living things live in habitats to which they are particularly suited

Throughout the traditional way of teaching I will be administering the unit using only verbal instruction while my students merely listen to what I am teaching. I will be the focus of the classroom while my students complete the work given to them. A test will be given after the unit is done to see how well the traditional way of teaching affects students' learning.

Method implemented (Dual code and Multimedia Effects)-

Day One	Introduction (Teacher will start by introducing the unit) - What are habitats?
Day Two	Why are habitats important?
Day Three	What animals live in particular habitats
Day Four	How animals habits affect their survival
Day Five	Explain why living things live in habitats to which they are particularly suited

Throughout the alternate way of teaching the lesson, I will be implementing dual code and multimedia. Before I begin the unit with the alternate way of teaching I will be giving a pre test to see the progress students make from the traditional way of teaching to a more innovative approach. Dual code and multimedia provides richer and more varied representations that allow more memory retrieval routes. I plan to implement a video in the lesson as well as an interactive worksheet for the students to match the animals to the corresponding habitats. Once the unit is done I will give the students a test to see if their retention is better with multimedia included.

Lab 10

The data analysis will be conducted using a paired tTest to prove whether or not students perform better on tests using multiple modes. In addition I will be creating a histogram for my data. The results will be analyzed at an alpha level of .05.

Reference

<https://www.mcanyc.org/>