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| When color is introduced into the learning enviroment, memory and learning capabilities are increased. The purpose of my experiment is to see which color has the greatest impact upon the short term memory of humans. Based on my research, I firmly believe that different colors have different impacts on memory. I predicted that orange would enhance memory the greatest,which would then be closely followed by yellow. Green would be next and blue would come last as it would enhance memory capablities the least. To begin my experiment, I had to decide upon how I would test my hypothesis. After much consideration, I decided to test the effects of which yellow, orange, blue and green would have upon the short term memories of humans. In order to test this, I decided to put twenty, commonly used words onto twenty flashcards of each color. For example, I put the following words on orange flashcards, I then put the same words on the green, blue and yellow flashcards.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Apple | Table | Shirt | Car | Penny | | Glass | House | Cake | Money | Leg | | Cheese | Tent | Motor | Flower | Stamp | | Cup | King | Forest | Horse | Menu |   After preparation of the flashcards, I now had to decide how to collect the data. After much thought, I decided to get 64 volunteers (32 male and 32 female) from the Junior class (class of 2003). I made this decision as I wanted all the participants to be in the same grade level to avoid a bias with age level. In an effort to eliminate a bias concerning intelligence level, I only recruited volunteers who had been in or were currently in at least one Honors or Advanced Placement course. I would liked to have used a random sampling of students, however, after much consideration, I realised that this would not only create several biases, but it would also be diffilcult to notify everyone of their scheduled date and time to take part in the experiment. I decided to conduct the experiment during lunch, with two experiments being conducted each day. I did this by scheduling an experiement for 12:20 pm and scheduling another for 12:40 pm. This enabled me to test 16 volunteers each day. I also decided to test volunteers with a different color each day. This enabled me to collect an equal amount of data for each color, which is key to any experiment. After I completed a great amount of research, decided on how, when, and where to do my research, and did what I could to eliminate biases, I was ready to start my experiment.    ([Intro1](http://docs.google.com/introduction.html))([Intro2](http://docs.google.com/intro2.html))([Intro3](http://docs.google.com/intro3.html))([Intro4](http://docs.google.com/intro4.html))  [[Home](http://docs.google.com/home.html)][[Introduction](http://docs.google.com/introduction.html)][[Hypothesis](http://docs.google.com/hypothesis.html)][[Procedure](http://docs.google.com/procedure.html)][[Data](http://docs.google.com/data.html)][[Conclusions](http://docs.google.com/conclusions.html)][[Bilio/Links](http://docs.google.com/biblio.html)]  [[2002 Projects](http://docs.google.com/AP2002/index.html)][[2001 Projects](http://docs.google.com/index.html)][[2000 Projects](http://docs.google.com/AP2000/index.html)][[1999 Projects](http://docs.google.com/AP99/index.html)][[1998 Projects](http://docs.google.com/AP98/index.html)] |