

Work log

Day 1

Brain storm about the research question and design the experiment. Research background information of rat and mouse. Read the scientific journal about mice and rats learning. Research about the movement of mice. I still do not know which one is smarter but we choose mice to test the experiment because the size of rat is too big.

Day 2

Design the maze for the experiment. Choose the maze that easy but not too hard for mice. Research about the mice eye. Research about color blind in mice. Continue find more scientific journal of mice movement. I learn that mice can not discriminate red and yellow light, so I can plan the maze.

Day 3

Discuss again about what animal we will choose. Because of poor eye vision of mouse and rat that can effect to the result. Finally we can choose the animal the have best eye vision that can see the sign and can see the different between color. That animal is guinea pigs. Next I do the outline by following the flowchart in the Edmodo.

Day 4

Research about guinea pig's behavior. Looking for the way that make it feel comfortable to be touch. Learning about guinea pig basic characteristic. Find the research for the literature review. Find the issue that can happen during the experiment.

Day 5

Find the research for literature review of guinea pig. I found the research that can relate to our experiment. The research is about what color is the best for guinea pig habitat. Moreover, I found that guinea pigs are biologically similar to human. This is the reason why them useful in many research. Next I to paraphrase the research of guinea pig for the literature review.

Day 6

I continue work on the literature review of guinea pig. I search for other research about guinea pig. I need to paraphrase and analyze the previous research. I learn about the eye characteristic of guinea pig. And do the citation for the research.

Day 7

Continue discuss about the proposal. Find more evidence for the experiment. Write the citation Fix some error in outline. Write the ethical considerations of this experiment. And manage the plan for buy the guinea pig.

Day 8

Today school is closed. We went to Jatujak market to find the guinea pigs for the experiment. I walk around half hour. First store the guinea pig is out of stock. After that I saw one man carry around 10 small guinea pig. So I buy the guinea from him. Then we go to find the cage and food for them.

Day 9

First do the methodology. After that We go out to find the material for the maze. We need to find the material that strong enough for guinea pigs maze. We need to find the wood for the base of the maze. Moreover, we need to find the spray color to paint the maze.

Day 10.

Measure the size of the guinea pigs. Find the height that guinea pigs can't climb. Design the size of the maze. This is for sure that the guinea pigs can run. Cut the feature board for build the maze.

And connect it to the base.

Day 11

Paint one maze with red spray color. And teach the guinea pig to run in the maze. It is very hard because they still scare of human. We try to get rid out of their fear buy try to give them food with our hand. Though we try so hard they still scare of human.

Day 12

We try to make guinea pigs feel more comfortable with human. By using the same way. We try to not make them feel scare. We let them run in the maze. They can not run well. May be they still not comfortable outside the cage.

Day 13

We do the same things as last day. Today we see the guinea pigs improvement in running in the maze. We use their house with the food to be the reward. Because they feel more comfortable when they are in their little house. But I that that the color sign that we make for guinea pig, it not work well.

Day 14

Today is the real run for Wendi and Marble. We record the video for the project. Wendi is the one who run in the maze with color sign. Both of them can finish the maze in the likely time. I think that guinea pigs can remember the way with out using the sign.

Day 15

Edit the video for the project. Try to put all information that I have learn during the project. And make it by using my best effort. Finish the reflection and other stuff. Send all of it to you.