

# 29/03/2017

Name	Goal	Source	Check
Prim	<ol style="list-style-type: none"><li>1. Find the research question</li><li>2. Agree on the type of rodent</li><li>3. Brainstorm ideas for learning strategies for our rodent</li></ol>		Check
Guy	<ol style="list-style-type: none"><li>1. Find the research question</li><li>2. Agree on the type of rodent</li><li>3. Brainstorm ideas for learning strategies for our rodent</li></ol>		Check
Gap	<ol style="list-style-type: none"><li>1. Find the research question</li><li>2. Agree on the type of rodent</li><li>3. Brainstorm ideas for learning strategies for our rodent</li></ol>		Check
Pom	<ol style="list-style-type: none"><li>1. Find the research question</li><li>2. Agree on the type of rodent</li><li>3. Brainstorm ideas for learning strategies for our rodent</li></ol>		Check

Reflection:

**Prim:**

Today we decided on our rodent which was a Hamster, we decided that we want to work with a Hamster. As lots of people own Hamsters as pets and so we refer that it might be easier to work with and that it might be able to learn faster. We also brainstormed ideas on how to train or teach our Hamsters. Including using food as a reward when it finishes successfully, put food along a certain path repeatedly. Also, we could put scent in the path of our maze and let it follow etc. Furthermore, we organized a google doc to be able to include our research questions. Our research question was based on our Guinea Pig and what we wanted to learn from our experiments.

**Gap:**

Through the brainstorming process I learned many new techniques on how to teach Hamster. We also came up with a research question to relate to our Hamster, to not make it too stress as well. We finished choosing our animal which is Hamster because we decided that it

was an animal that could easily work with. We talked about methods to make the Hamster remember the way out of the maze. Such as using food for it to follow and then see if it learn and do it next time, but without food.

**Guy:**

I learn how we brainstorm the project topics. As we work in a group, we must let our ego and share the opinion. However, we always forget that we don't need to fully agree with one of the members. In fact, we used compromising tactics by combining each other idea to make the best solution. Like in this work log, we, at first, tried to use only table, but at the end we write our work log in the bottom to make it more effective to read.

**Pom**

I learned that brainstorming can help us gather ideas and help to find what we want to do in our project. The greatest way is to jot every ideas, related or not, to find the best ideas in our project. We need to consider a lot of things when we want to adopt a real animal, their lives should matter most. Also, in this experiment, the research question must not risking the life of our hamster because, if it dies, we failed the class. So, the experiment must be as moral as possible.

# 30/03/2017

Name	Goal	Source	Check
Prim	Finding Background research on Hamsters' learning skill	<a href="http://www.science-direct.com/science/article/pii/S0960982204004178">http://www.science-direct.com/science/article/pii/S0960982204004178</a>  <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4240437/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4240437/</a>	Check
Guy	Finding Background research on male hamsters' learning skill	<a href="http://www.livescience.com/27169-hamsters.html">http://www.livescience.com/27169-hamsters.html</a>	Check
Gap	Finding Background research on Hamsters' learning skill	<a href="https://www.petchar.com/hamsters/">https://www.petchar.com/hamsters/</a>	Check
Pom	Finding Background research on Hamsters' learning skill	<a href="https://hamsterdiaries.wordpress.com/">https://hamsterdiaries.wordpress.com/</a>	Check

		2012/11/22/are-boy-hamsters-better-than-female-hamsters/	
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Reflection:

**Prim:**

Our second process is to do background research, we divided up the work and assigned research topics for each members. This allowed us to work efficiently through time and also to find out the informations that could relate to our experiments with Hamsters. In my part, I researched about learning styles and ways in which animals navigate through some place. We did this because we wanted to make sure we knew the Hamsters navigation system, therefore, once we work with Hamsters we could work with it easily and not stress on the Hamster's livelihood. We also discussed and informed each other about what we found, which was a sufficient way to work with our peers.

**Gap:**

Today we have to do a research about the animal that we choose. We have to find a background information of it. I have found that hamsters are nocturnal which means that they sleep during the day and wake up during the night because Hamsters have very bad eyesight. If a hamsters lies on its back, it means that the hamster is frightened. And there was so many body language that hamster will do to show out their feeling. Therefore, this information will make us dealing with hamsters a lot easier.

**Guy:**

As we tried to do the research about hamster, we need to find the background information first. For most of people, hamsters are one of the most popular and cutest pet. However, we discover many things that would change our thought. First of all, hamsters will attack when they are scared, their teeth continue to grow over time so they chew wood to control their teeth size. Sometimes, hamsters can be very aggressive, especially females hamsters would very protective for their offsprings. Therefore, this activity make us know a lot more about hamsters and know how to treat them because even with small organisms, we need to be careful and make sure that no injuries or damages occur.

**Pom**

Today my work is to finding information about female hamster. Most of the website often said that generally, they are similar and not really depend on gender to be different, but still there were some to be notice. First, the female often larger than males because they are able to get pregnant and have lots of babies. Second, females are often smellier than males. This smell is not pleasant for human, but the smell was to indicate that they are ready to mate with the male hamster. Finally, their aggressive behavior. Female aggressive behavior is a common said for owner of hamster, but scientifically, female are only aggressive when they are pregnant or they

tried to defend their territory. I also found out some fun fact about them like, they loved to lie with their back down, they clean their feet using tongue and they also loved to store food in their mouth.

## 21/04/17

Name	Goal	Source	Check
Prim	<ol style="list-style-type: none"> <li>1. Conclude materials to use and type of rodent.</li> <li>2. Create a project proposal + add elements</li> <li>3. Assign work to members.</li> </ol>	<p>Ms. Charlie Edmodo</p> <p>Wooden board:  <a href="http://www.adverts.ie/office-equipment-supplies/cork-board-wooden-frame-900x1200mm/2350467">http://www.adverts.ie/office-equipment-supplies/cork-board-wooden-frame-900x1200mm/2350467</a></p> <p>Hamster maze:  <a href="https://www.youtube.com/watch?v=ivMpsWj3Tel">https://www.youtube.com/watch?v=ivMpsWj3Tel</a></p> <p>Hamsters or Guinea Pigs?  <a href="https://www.cuteness.com/blog/content/should-i-get-a-hamster-or-a-guinea-pig">https://www.cuteness.com/blog/content/should-i-get-a-hamster-or-a-guinea-pig</a></p>	<p>Check            Check            Check</p>
Gap	<ol style="list-style-type: none"> <li>1. Find a material for making a maze</li> <li>2. Voting for the animal that we going to use</li> </ol>	<p>How to build a maze?</p> <p><a href="http://www.wikihow.com/Build-a-Hamster-Maze">http://www.wikihow.com/Build-a-Hamster-Maze</a></p>	<p>check</p>

Guy	<ul style="list-style-type: none"> <li>• Discuss and vote for the Lab animals using for our project</li> <li>• Discuss about the experiment question.</li> </ul>	<p><b>What are the differences between guinea pigs and hamsters?</b></p> <p><a href="https://www.quora.com/What-are-the-differences-between-guinea-pigs-and-hamsters">https://www.quora.com/What-are-the-differences-between-guinea-pigs-and-hamsters</a></p>	Check
Pom	<p>-Discuss about material used to build maze</p> <p>-Research for different type of maze</p>	<p>Rat Maze</p> <p><a href="http://www.ratbehavior.org/RatsAndMazes.htm">http://www.ratbehavior.org/RatsAndMazes.htm</a></p> <p><a href="http://www.slate.com/articles/health_and_science/the_mouse_trap/2011/11/rat_mazes_and_mouse_mazes_a_history_.html">http://www.slate.com/articles/health_and_science/the_mouse_trap/2011/11/rat_mazes_and_mouse_mazes_a_history_.html</a></p>	Check Check

Prim: In class, we discussed many aspects of choosing between Hamsters and Guinea pigs. We looked at factors such as the size of the rodents and how we must create a big maze if the rodent is big. We also looked at factors such as the rodent's life styles, how Hamsters are nocturnal and they would sleep during the day, where as Guinea pigs are like humans and are awake during the day. Eventually, we concluded that we would use the Hamster because it is smaller and that we can reduce the size of the maze, this would save time and save materials. We would also be able to reduce the cost of buying a Guinea Pig and large materials for its maze.

After class, I created a folder which included the work log document, project research document and a proposal document. The proposal document included elements such as the questions "So what?" so that the members in the team could stay on task and keep in mind about the things they must include in each headings such as the Introductions, Methodology etc.

Pom: We discussed about which rodent should we used because they both have pros and cons for example, hamsters are awake at night and sleep during the day, which may slow down our experiment, but they are so tiny and used up much less space than the Guinea pig. The Guinea pig, on the other hand, is awake during the day and sleep at night, which may help us, but we could not assure how large will they grow and we thought that we needed to use a lot of

materials in order to build a maze to fit their size. We ended up with the hamster. It maybe difficult to work with, but working with little animal reduce cost and required less space. I also research about how to make maze for hamster and how they make their ways through the maze.

Guy: We want to start our experiment as soon as possible. Consequent, in this class, we discuss

and decide what material and which species we want to use for our experiment. Our choices are whether hamsters or guinea pigs, but at the end we chose hamsters. We decided that hamsters to cause a lot cheaper experiment considering from their behavior and size. If we chose Guinea pig, we thought we might need a lot of material to build a maze and also a lot of food for feeding this animals. Moreover we do some research for deciding the materials and plan for constructing the maze.

Gap: This class we discussed about the animal the we going to use for our project. At first we going to use a guinea pig but as we saw the size of it we think that it will be hard for us to make a maze for it. And for the hamsters, it will be awake during night and it will sleep on the day time so it was hard for us to choose because we afraid that if we choose the hamster and during the experiment our hamster doesn't awake what are we going to do. But in finally we choose the hamster because it will be easier for use too make a maze and it cheaper the a guinea pig. And we also talk about the material that we going to use for the maze.

## 26/04/2017

Name	Goal	Source	Check
Prim	<ol style="list-style-type: none"> <li>1. Agree on the project's research question</li> <li>2. Discuss different ways to test our hamsters.</li> <li>3. Plan the shape of the maze and it's directions</li> <li>4. Bullet point what must be included in the Proposal</li> </ol>	*Brainstorm process -Use of colors -They are said to be color blind. <a href="https://pets.stackexchange.com/questions/2638/light-spectrum-visible-to-hamsters">https://pets.stackexchange.com/questions/2638/light-spectrum-visible-to-hamsters</a>	Check Check

Gap	<ul style="list-style-type: none"> <li>- Discuss about the maze that we going to use.</li> <li>- Discuss about the way to test hamster</li> </ul>	<a href="http://www.all-science-fair-projects.com/project1128_78_5.html">http://www.all-science-fair-projects.com/project1128_78_5.html</a>	check
Guy	<ul style="list-style-type: none"> <li>● Discuss and plan for the maze</li> <li>● Discuss about the experiment question.</li> </ul>	<p><b><u>How to Build a Hamster Maze</u></b></p> <p><a href="http://www.wikihow.com/Build-a-Hamster-Maze">http://www.wikihow.com/Build-a-Hamster-Maze</a></p>	Check
Pom	<ul style="list-style-type: none"> <li>- Discuss about our central research question</li> <li>- Discuss about design of our maze and what should be the stimuli for our hamster</li> </ul>	<a href="https://pets.stackexchange.com/questions/2638/light-spectrum-visible-to-hamsters">https://pets.stackexchange.com/questions/2638/light-spectrum-visible-to-hamsters</a>	Check

Guy: Today, after deciding for our experimental animal, we decided for the maze. Also, we discuss about the extra part for our maze to add for making the test to the hamster. For this process, we have to be more serious and creative because the maze is the final part for our plan. Therefore, without the maze, we would not be able to begin our research on the hamster. However, we have to continue to get more information about hamsters for making the decision about our test on them.

Prim: Our goal today was to brainstorm different ways in which we could test the Hamsters in the maze. We discussed different factors like temperature, smell and colors to indicate or help the Hamsters learn faster within the maze. We also did some research and found out that Hamsters are color blind so colors would not work. We also suggested that we could

create a maze that is not too complicated but still provides a good path to test our Hamster. We also agreed to use only one maze and swap turns for each Hamsters to complete. We also worked on our project proposal, we added a rough draft on some parts of the proposal however, we are writing out bullet points of what to include within the proposal.

Pom: Today, we decided on our research question, maze design and stimuli. We discussed about what is going to be use as a stimuli for a hamster to let them know that they went the wrong way. We think of factor such as heat, color and smell to help hamster to learn their way through the maze. We found out that hamsters are color blind and the color factor may not work. We also discussed on changing the design of the maze to have shortcut and we will test that whether they get through the maze faster or not.

Gap: Today in the class, We were deciding about which ways we going to make a maze. We have been discuss about a factors that can help hamster and the one that can't help the hamster. For example Heat, Food and Color. We going to use the colour to help our hamster to learn faster but after we search for the information it show that the colour that hamster can not see are yellow and green so it mean that hamster are almost colour blind so we change our plan to make a shortcut way for hamster to see that will the hamster use the shortcut way to make it come out faster or not.

## 27/04/2017

NAME	GOAL	SOURCE	CHECK
Prim	<ol style="list-style-type: none"> <li>1. Plan and evaluate on maze design.</li> <li>2. Shared information and final touch for proposal out line</li> </ol>		
Gap	- Plan for the maze design	<a href="http://www.ratbehavior.org/RatsAndMazes.htm">http://www.ratbehavior.org/RatsAndMazes.htm</a>	



Guy	<ul style="list-style-type: none"> <li>● Plan and for the maze and experiments</li> <li>● Discuss with teacher.</li> </ul>	<a href="http://www.physics.uwo.ca/science_olympics/events/grades_11_to_12/amazing_rodents.html">http://www.physics.uwo.ca/science_olympics/events/grades_11_to_12/amazing_rodents.html</a>	Check
Pom	<ul style="list-style-type: none"> <li>- Plan for the setup of a maze</li> </ul>	<a href="http://www.ratbehavior.org/RatsAndMazes.htm">http://www.ratbehavior.org/RatsAndMazes.htm</a>	Check

Guy: Today, we tried to discuss the methods of our experiment. Luckily, we have some advice from our teacher. He told us to do the research of how the natural sense of hamsters are different from ours. Therefore, we found out that hamsters have good memories, but can't recognize the colours well. Consequently, we decided to test and do experiment for hamsters a little bit deeper.

Pom: Today works was about designing maze for our hamsters. First, we discussed about different type of maze that could use to test the memory of our hamster, we got the idea about radial maze and how it works. Sadly, this kind of project have been done before so, we don't want to do like someone else and we designed our own maze. The maze will start in the center and exit through the side. We agreed to test the memory of the hamster by placing the food along the way in the maze and let them follow. After a few trial, we will decrease the amount of food and see whether they remember the path or not.

Prim: We discussed pro's and con's of using a particular maze we designed, we kept changing our minds on the maze design because it was important to find the right design in order to test our hamster's abilities. After that, we concluded on using a maze that would have the 'starting' point in the middle of the maze. We also discussed what would be included in the proposal outline. We also included the strategies to test our hamsters and how we would achieve our goal, we agreed on using food as the path for the Hamster to follow. After multiple tries, the amount of food would decrease and we would check if the male or female Hamsters would be able to find its way to the last piece of food, faster.

Gap: We talk about maze design so we can make it in the experiment, we will make one maze and get Hamster inside one by one. It saves materials and time as well. Then we work on some

part of the proposal, I put some ideas for conclusion and materials that we will use. We change our plan of using color now because Hamster are color blind, so we agree to use food instead, we believe it has stronger ability to smell than to see.

03/05/17

Name	GOAL	SOURCE	CHECK
Prim	<ol style="list-style-type: none"> <li>1. Find out the price for the cages</li> <li>2. Discuss what needs to be included in the real proposal.</li> </ol>		Check Check
Gap	Look for cages for hamster Re-check the proposal		check
Pom	Look for cages for our hamsters	<a href="http://www.luckypet-nst.com/category/11/%E0%B8%AD%E0%B8%B2%E0%B8%AB%E0%B8%B2%E0%B8%A3%E0%B9%81%E0%B8%A5%E0%B8%B0%E0%B8%81%E0%B8%A3%E0%B8%87%E0%B8%AD%E0%B8%B8%E0%B8%9B%E0%B8%81%E0%B8%A3%E0%B8">http://www.luckypet-nst.com/category/11/%E0%B8%AD%E0%B8%B2%E0%B8%AB%E0%B8%B2%E0%B8%A3%E0%B9%81%E0%B8%A5%E0%B8%B0%E0%B8%81%E0%B8%A3%E0%B8%87%E0%B8%AD%E0%B8%B8%E0%B8%9B%E0%B8%81%E0%B8%A3%E0%B8</a>	Check

		%93%E0%B9%8C %E0%B8%AB%E0 %B8%99%E0%B8% B9%E0%B9%81%E 0%B8%AE%E0%B8 %A1%E0%B9%80% E0%B8%95%E0%B 8%AD%E0%B8%A3 %E0%B9%8C	
Guy	Check our proposal and find hamster cage		

Prim: Today, we did not quite complete much but we did discuss things to add and include in our proposal. We searched for places that sold good quality but also fairly cheap cages for our Hamsters to stay in, we then searched if anyone had any cage available so we did not have to buy them. Furthermore, we discussed about how the Methodology needed evidence to support some parts by referring to the literature review.

Pom: We found a problem where we had to buy our own cage, so today, we discussed about cages we are going to buy for high quality and low price. We also looking for anyone who owned hamster before and if they have leftover cages or not. We also discussed about the full proposal and what we are going to write to cover all the information that needed to be in the proposal.

Gap: Today, we have a bad news because we have to buy all of the stuff by using our money. So today we have to find a cage for hamster. We need the one that cheap and useful for us. After that we decide not to buy the cages because we will sharing the cage from other if they lets us share with them. And we also talk about what we going to write down on a full project proposal.

Guy:After our bad news about the experiment fund, we immediately look for the hamster cage. We discuss whether buying or building the hamster cage. For now, one of our members will ask their siblings and friend, and the others will look for the cheapest and best quality of the cage in internet and pet shop. Also, we would figure out for improving our proposal. Moreover, we will start find the materiel for our maze.

04/05/17

Name	GOAL	SOURCE	CHECK
Prim	complete the final parts of the proposal, compare literature review		
Gap	Doing a proposal		check
Pom	Fix the proposal		Check
Guy	Fix the mistake in the proposal	<ul style="list-style-type: none"> <li>• <a href="http://animals.mom.me/hamster-anxiety-1249.html">http://animals.mom.me/hamster-anxiety-1249.html</a></li> <li>• <a href="http://www.knowhow.com/Make-Your-Hamster-Trust-You">http://www.knowhow.com/Make-Your-Hamster-Trust-You</a></li> </ul>	Check

Gap: Today, I start to change the proposal from an outline planning into a real proposal. The thing that I did today was making a reference for a proposal. I have to cite all the websites that we use on the proposal. And we also have to change every part that we did wrong on the outline part.

Pom: Today, I edited the proposal outline and try to make it become the real proposal. We edited a lot of stuff and information, including citation and references. We needed to remove all the pronouns because we should not mention ourselves in the proposal.

Guy: For today, we learn more about the perfect format and detailed for our proposal. We discover a lot more mistakes in our rough draft. For my part in the proposal which is methodology, I have discovered that I miss a lot of detail and information in this part. To write the proper research, I need to include the clear detail of each step as for other people or reader can follow my experiment. Moreover, I need to make sure that the reader understand the main goal, definition, and all limitations in our experiment.

Prim

Looked at the whole proposal again and added the information in the literature review, compared them and continued to change the format of the proposal, ready to hand in.

05/05/17

Name	GOAL	SOURCE	CHECK
Prim	Helped finish the proposal, helped redesign methodology		Check
Gap	Finnish proposal		check
Pom	- Fix the proposal		Check
Guy	<ul style="list-style-type: none"><li>• Fix the mistake in the proposal</li><li>• Talk and discuss our mistake with teacher</li></ul>	<a href="https://www.edanzediting.com/blogs/how-write-about-your-study-limitations-without-limiting-your-impact">https://www.edanzediting.com/blogs/how-write-about-your-study-limitations-without-limiting-your-impact</a>	Check

Gap: Today was a last day that we can work for the proposal in class and the due date for a proposal was coming so we have to make sure that we will finish it on time. So in this class we have to do lot of work in this class for example we have to change all of the pronounce in to the third person because we can't use the word we on the lab proposal and also we have to rearrange all of the format in the proposal.

Pom: This is the last day in class we have before submitting the proposal, we edited lots of things but there is still lots of thing to fix. We discussed in group and ask teachers about what is the mistake and how to fix it. I had to remove all the pronoun, fix the references and add more information in the literature review part. There were some missing information about sex difference influenced on hamster.

Guy: Today is the final day for us to work in group for our proposal. Therefore, we directly discuss with our teacher to solve or find out the thing that we still misunderstood. After finishing our discussion and also making sure that we are all in the right track, we start to

make our final proposal. For my part, I need to make the language more formal, add the information about how to treat the hamsters, and also the limitation in our proposal. However, even finishing, my own part, there are a lot more detail and information to add in this proposal.

Prim

After the feed back on the proposal, we must improve the methodology, also the language and formality of the document. I edited the grammar, words used and the sentence structures. Also, submitted the links to the websites that I used for the literature review.

11/05/17

Name	GOAL	SOURCE	CHECK
Prim	cut out multiple pieces of white future board & fit them onto the plastwood base		
Gap	Making a maze and brought materials to school		
Pom	Begin creating a maze		Check
Guy	<ul style="list-style-type: none"> <li>Fix the mistake in the proposal</li> <li>Begin to construct maze</li> </ul>	<a href="https://www.edanzediting.com/blogs/how-write-about-your-study-limitations-without-limiting-your-impact">https://www.edanzediting.com/blogs/how-write-about-your-study-limitations-without-limiting-your-impact</a>	Check

Gap: After we let miss charlie checking the proposal miss charie say that we have to change some parts of it so in the first part of the class we let guy change it. I brought the materials, futureboard, plastwood. And we start to cutting a cardboard for making a maze for our hamster but after we finish cutting we think that it didn't strong enough for our hamster to walk through the maze that make of a cardboard.

Pom: The proposal is almost approved but Guy needed to fix something in his part so, I went on and started to create a maze. At first, we planned to use the future board as our base with cardboard as our walls to our maze, but cardboard was difficult to find, so we changed our plan. We will be using something as a base while using a future board as our wall. We did not accomplish much in cutting future board today.

Guy: After checking the proposal, our teacher showed us the mistake in our work. I discovered that I still did not give enough detail in the methodology. I still confuse about the process and misunderstood in communicate with my teammates. I have learned that the information I gave in the procedure wasn't match with my teammates' description. Therefore, I need to change the context and re-analyze the information.

Prim

We cut out different sizes of cardboard to mimic the maze we designed in the proposal. But the cardboard box was not strong enough so we wanted to change the material used into a futureboard and use a plastwood as its base. We fear it would not stick, next day we will use hot glue gun.

15/05/17

Name	GOAL	SOURCE	CHECK
Prim	use hot glue gun to stick the futureboard onto the plastwood and finish the maze		
Gap	Making a maze		
Pom	Construct a maze		Check
Guy	<ul style="list-style-type: none"> <li>Fix the mistake in the proposal</li> <li>construct maze</li> </ul>	<a href="https://www.edanzediting.com/blogs/how-write-about-your-study-limitations-without-limiting-your-impact">https://www.edanzediting.com/blogs/how-write-about-your-study-limitations-without-limiting-your-impact</a>	Check

Gap: Last Week we didn't finish making the maze because we think that it won't strong enough s/o today i bring a new material for making a make. The base part of the maze i use a plastwood so it will be strong enough and we can also move it easily, then we have to cut out all of the futureboard that we have which a height of 13 centimeter. So i and prim help each other for cutting the board and guy and pom were measuring the plastwood sheet.

Pom: Gap bring a table top to the school and it made from woods. I need to clean it up first because it was the old stuff from Gap's storage. Then, I started to measuring the size of the board and drafting how maze should looks like on the board. It was a 70x70 cm size, and I have to estimate the ratio of how our maze design will fit on the board.

Guy: After checking the proposal, we tried to figure out the mistake in proposal. Then we realized that we didn't describe or explain enough detail about our factors. In order to train hamster, we need to describe the detail and factors to make every members understand the whole process. Therefore, we research more to understand the definition of counter conditioning. Furthermore, we continue to develop our proposal.

Prim

We cleaned up the materials and cut the futureboard into the sizes that would fit the design of the maze. After cutting for a while, we then tried to stick it with glue, we would have to use glue gun.

16/05/17

Name	GOAL	SOURCE	CHECK
Prim	finish the maze and ready for the rodent to run		
Gap	Done with maze		
Pom	Finish our maze Petting the hamster		Check



Guy	<ul style="list-style-type: none"> <li>Finish our maze model.</li> </ul>	<a href="https://www.youtube.com/watch?v=JZzLxh27bAI">https://www.youtube.com/watch?v=JZzLxh27bAI</a>	Check
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Gap: So today after we done with the proposal we have to finish our maze for hamster. I making a maze outside the class but it not quite finished yet so i took the first half of the class for finish maze. After that we run out of the material so we can continue doing it so we go to the lab and feeding your hamster to make it feel comfortable when it stay with me..

Pom: We created our maze in class but, not quite finish. There were some problems with the material and we had to continue on later. After the school, I needed to go to the lab to check on the hamster in my responsibility. I named him Alpha and he is a bitey one. I had to be really careful touching him because I don't want to visit the doctor for vaccine for tetanus.

Guy: After researching the definition of counter conditioning, we realize that it is the time to finish our maze. Therefore, we brought all of our material to our class. We have some problem during construction such as broken materials, or wrong type of glue. Consequently, we need to use more time outside class to finish. However, we finish our maza and it appear that our maze can be very functional.

Prim: today we would finish the proposal and the maze this is the week that our rodent must be starting their first trial and so that their learning abilities could be investigated. We did not do much accept counter conditional learning and desensitization for the rodent so they are used to us and not become fearful once we try to get it into the maze.

19/05/17

Name	GOAL	SOURCE	CHECK

Prim	continue to care for the hamster and counterconditioning		
Gap	Finish maze		
Pom	Finishing the maze Petting the hamster		Check
Guy	<ul style="list-style-type: none"> <li>• Finish the proposal</li> <li>• Accumulate the hamster</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="https://www.danzediting.com/blogs/how-write-about-your-study-limitations-without-limiting-our-impact">https://www.danzediting.com/blogs/how-write-about-your-study-limitations-without-limiting-our-impact</a></li> <li>• <a href="https://www.youtube.com/watch?v=JZzLxh27bAI">https://www.youtube.com/watch?v=JZzLxh27bAI</a></li> </ul>	Check

Gap: Next week, we have to start our experiment with hamster. So today we must finish our maze for hamster to run. I have a job for teaching the female hamster so after I finish making a maze i have to give a food and play with my hamster. I also name it Beta. For hamster today it look less fear to me than last time maybe because it feel safe when it with me.

Pom: Next week, we will start our experiment with hamster, so today, we needed to finish the maze and prepare the hamster to run in the maze. I had the job to teach hamster to stop scare of us and it was a really hard work. I don't know what he went through because he was scared of everything.

Guy: Next week, we need to begin our experiment. Therefore, we need to make our teacher approve proposal. During class, I finished my new version of proposal by re-write my methodology. After that, I went to play with hamster to gain their trust. Although hamsters show signs of stress, they still cooperate with our group during our first test. Our group hope that next week our group would succeed in the experiment.

Prim:

As the Male hamster was still scared and would often bite, we had to wait until next week to start the experiment because we would want the rodent to become less stressed and would start to learn the maze, we do not want it to view the maze as an extremely unpleasant task to perform. The female hamster however was ready but we had to wait. The work done was desensitization this time but less counter conditioning.

22/05/17

Name	GOAL	SOURCE	CHECK
Prim	started the experiment		
Gap	Let hamster get into a maze		
Pom	Begin the experiment on hamsters		Check
Guy	<ul style="list-style-type: none"> <li>Begin our experiment on the female hamster</li> </ul>		Check

Gap: Today, our proposal was accepted so it mean that we can start our lab experiment now. So it was the first time that we will put the hamster into a maze. Our hamster took a very long time for complete the maze in the first time. I think that it still confuse about what is it and why i'm in here so when we put it in second time they start to sleep and doesn't move.

Pom: We started the experiment on our hamster. The hamster took a very long time to complete the maze and we knew that something is wrong. The maze is maybe to complicate for the hamster to go through and the hamster is not interested in the food we provided in the maze. We need to fix something about the maze and also need to restart the experiment.

Guy: Today is the first day of the school's last week. We then prepare to launch our first experiment on the female hamster. However, it appears that the hamster didn't show enough cooperation. Also the result was different from our expectation. Therefore, we need to improve our methods and also the keep the hamster more calm. Otherwise, the hamster would not be able to show any sign of learning and counterconditioning.

Prim: we started our first trial on the rodents, we started with the female hamster and recorded its time. I filmed the process where the rodent was in the maze. We also added food along the way, counting the foods as 10 and we also put the food in the same place for when the male would go in.

23/05/17

Name	GOAL	SOURCE	CHECK
Prim			
Gap	Experiment for hamster		
Pom	Continue experimenting on our hamster		Check
Guy	<ul style="list-style-type: none"> <li>Continue our project</li> </ul>		Check

Gap: we continue to do the experiment on the maze by putting the food inside the maze and start to put the male and female hamster inside it. Today female hamster and male hamster look better than last time and they also finish the maze faster than last time. Which is a good thing for us and after we finish the experiment for today i have to take care the hamster.

Pom: We continue on experimenting on the hamster and try to keep the factor constant. We retry our hamster on the same maze with yesterday and looks like our hamster still scare of the maze or other factors that make them took a long time before reaching the exit. The female eat a lot and the male always clean himself. We really need to fix the maze.

Guy: Today, we continue to do our experiment on our hamsters. However, we discovered that our hamster tired easily. Our hamsters, show signs of protest when we make them run through the maze too many times. Therefore, we decided to do our experiment only for two times for each experiment. Although we want to finish our jobs as fast as possible, we need to take care of hamsters first.

Prim: We did the second round of trials for our rodent and we tried to keep all factors the same from the last trial. We recorded the time and counted the number of wrong paths that the rodents took as well. There were differences in the rodent, the female hamster kept eating but the male hamster kept itching itself. Therefore, the time for the rodents to run took so long because of the different stops along the way.

26/05/17

Name	GOAL	SOURCE	CHECK
Prim	to compare and continue filming the rodents in the maze.		
Gap	Finish experiment		
Pom	Finish the experiment on our hamster and start to work on reflection		Check
Guy	<ul style="list-style-type: none"> <li>● Finish the our experiment</li> <li>● Take care of hamster</li> </ul>		Check

Gap: We did the last trial on our hamster. And we have to take a video for making a video for the final work. Then, we separate the clip to everyone and start to count how many time does the hamster go in the wrong way. And we also have to count for how many minute does the hamster took for finish the maze

Pom: We did the last trial on our hamster. Then, we need to check on all the video in order to count the number of paths the hamster went wrong in the experiment and we also needed to measure the time the hamster took to finish the maze excluding the time they were eating and itching themselves.

Guy: Today is the last day of our experiment. We need to finish our experiments on hamster so we have time to edit our video. Although some of our members have an important business to do, we manage to finish our experiment in time. After finishing the experiment, I need to take care of the hamster during this weekend because Gap can not do this duty this week. However, I tried to manage my duty on the rest work on this project while take care of the hamsters as good as possible.

Prim: the last day of the experiment, we continued to film the rodent and that the time was recorded, we took turns filming and counting the number of wrong paths. We then switched turns between male and female hamster, once we tried to do the second trial the hamster would not continue so we knew that the second trial for the hamster was too much in one day.