improve my skills and techniques. Thus I felt that “improvement” was an important criteria for evaluating my success during the personal project.

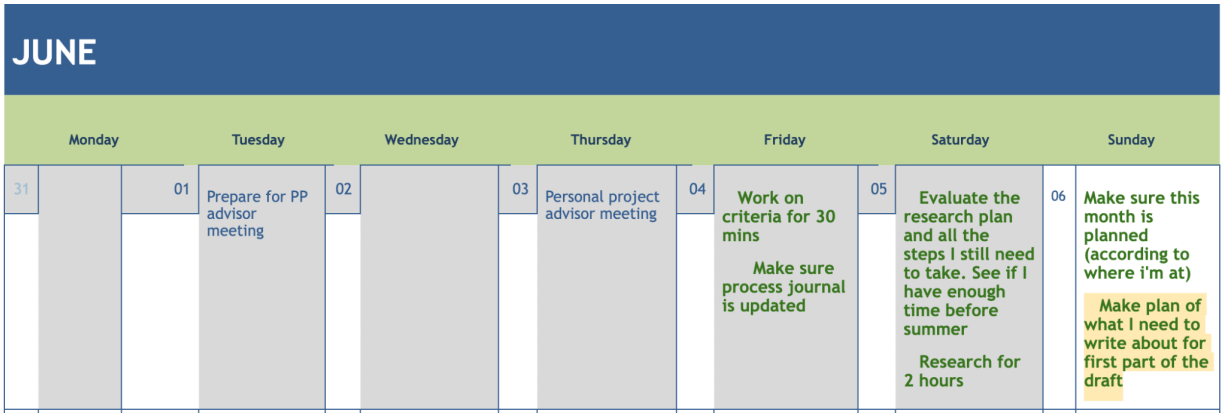
	Function: What the end product should do and how it should do it.	**Safety:** Safety precautions taken during the making of the product.	**Aesthetics:** How nice and appropriate the product looks, specifically when compared to professionally made knives.	**Materials:** Materials that will be able to be washed without rusting or decomposing, that can be sharpened, safe to eat from , easy to clean, and recycled.	**Improvement:** Improvements/ progress made throughout making the different knives.
1-2	The knife is not able to cut effectively and barely demonstrates the skills and knowledge learned about knives.	Little to no safety precautions were taken	The individual components are poorly made and the knife as a whole does not look like a coherent product.	The materials used meet almost none of the requirements stated up above	1 knife was made.
3-4	The knife is able to cut, however it considerably affects the object that is being cut. The knife decently demonstrates the skills and knowledge learned about knives.	Some safety precautions were taken but safety in general was not a top priority.	Some of the individual components are well made however the knife as a whole does not look like a coherent product.	The materials used meet some of the requirements stated up above.	2 knives were made, however limited noteworthy improvements were made.
5-6	The knife is able to cut, however the blade has not been sharpened to the best extent. The knife	Most safety precautions were taken, however safety was still not the top priority.	Most of the individual components are well made and the knife as a whole looks like	The materials used meet most of the requirements stated above.	More than 2 knives were made and many noteworthy improvements were made.

	more than adequately demonstrates the understanding about knives.		a coherent product.		
7-8	The knife has all the features I chose for it. It successfully demonstrates the knowledge learned about knives and is able to cut most foods.	All safety precautions were taken and was the top priority to ensure maximum safety and so that no one got hurt.	All individual components are well made and the knife as a whole looks like a coherent product.	The materials used meet all of the requirements stated above.	At least 4 knives were made and many noteworthy improvements were made.
How will you know ?	I will carry out a test using a "global" knife I own and the knife I make, cutting different foods and objects. The performance level will then be compared to see how well the knife I made works. I will also take into account how well the knowledge and techniques learned during the research process were used to make the knife.	Reflect on how safe the whole experience was. Also take into account if any injuries happen and if there was something I could have done to prevent them.	I can compare my knives to professionally made knives.	Test each of the requirements that can be tested. Check according to research, which materials have the requirements stated up above.	A self evaluation/reflection will be done.

Plan for Achieving the Product:

I had two long term plans, one of which was a weekly plan and one gave specific due dates of when I wanted things to be completed.

The week by week plan made it so that I knew what had to be done by the end of each week, so that I could successfully achieve my checkpoints in time. For example, for the first week of June, I decided that by the end of the week I needed to make sure my process journal was updated, I had researched for 2 hours, and I had worked on my criteria. This plan was useful during the summer and first trimester of the personal project because during that time I was mostly just researching and needed guidance of how much I needed to research. However when I got to the stage of actually making my knives, I didn't use this at all because the process of making my knives was very unanticipated, thus I could not always make a clear plan for the future.



For the other plan which specified each checkpoint/due date, there were two sections; the research stage and the actual making of the product. In this long term plan I had a column for the main task, and then the more specific steps to achieve that task in the “to do” column. I also added a column that specified what criteria each checkpoint was relevant to. This plan made it so that I knew what stage I was at and how I should be approaching and working on each task so that I can score highly on my criteria.

Date	Task	To do	Relevant Success Criteria	Process
May 10 - May 30	Research about different types of knives.	- Research about different types of knives and what different types of knives there are, and their purposes	Function	Done
May 24 - June 26	Research about the process of making knives. Choose which knife(s) to make.	- Make plan/diagram of the knife(s) I choose to make - Make step by step plan on how to make the knife(s) I choose - Make list of materials that are required for the process and look into prices	Function	Done
June until	Find place to forge	- Email about the space behind school	Safety	Done

August 15				
June 27 - 30	Buy materials/equipment	- Buy all materials and equipment still needed, according to the material list made previously	Materials	Done
July 2 - 8	Preliminary testing of forging	- During this time, test/practice forging knives (only the forging metal part, not doing any sharpening or adding the handle) - Take notes on what all I learned and need to keep in mind when making the final product(s) - Revise process and what I need to do	Improvement	Done
July 9 - August 15	Full plan for knife(s)	- Finalize how many and which knives I am making for my final product - Make full plan about every aspect of the knives. This includes the handle and blade. - Revise next months of long term plan to make it more detailed and more fitting according to what I learned - Buy any extra materials/ equipment needed - Add any extra due dates/checkpoints to long term plan according to the detailed plan of making the knife(s)	Improvement	Done
September 1 - October 16	Star and finish forging and making the knife(s)	- Follow the plan made previously	Improvement	Done
October 17 - 24	Asses the knives according to criteria	- See what I can improve - Change plan accordingly - Choose what knives for the next step - Make plan/diagram of the new knife(s) I choose - Add any extra due dates/checkpoints to long term plan according to the detailed plan of making the knife(s)	Improvement	Done
October 24 -	Start and finish the new knife(s)	- Go through process of making new knife(s)	Improvement	Done