

## **Science Element Portfolio Reflection**

### **1. Describe what you were supposed to accomplish with this project.**

We are to make a website about a certain element that we have researched thoroughly about. Our assignment has 4 things that need to be included in it, that is the Atomic Diagram, an infographic, an animation, along with this reflection.

### **2. What section of the project was most frustrating for you to do and WHY?**

The most frustrating section for me was making the website. I am a very picky person and so the website took me a while to make just to get everything perfect. For me personally, I feel like it takes a while for me to make my work visually appealing so fixing the little details up was time consuming but not as bad as I thought it would be. It was also my first time using Weebly whereas for the other parts, I have used it before so I already knew how to work it.

### **3. What section of the project was most enjoyable for you to do and WHY?**

The most enjoyable section was the animation. Yes there was quite a bit of research involved but putting it together and choosing the effects and how each slide looks like was the fun in it. I have also seen these sorts of animations before and I had always thought of it as being hard but now that I did it and just seeing the result made me proud of what I can do if I put my mind to it.

### **4. Summarize what you learned about the element or compound you investigated for your presentation.**

The element I had researched about was magnesium. I learnt about its physical/chemical characteristics such as how it looks like, that it is light in weight, soft but strong, that it is a metal, it is reactive, flammable etc. I also didn't know that there was magnesium in chlorophyll so learning about that was interesting. I learnt things about the porphyrin ring, about how the weight and size can affect how efficient the photosynthesis is, about the energetics in the magnesium atom etc. Towards the end of my animation I also included a slide about the good that magnesium can do to our body and I didn't know that magnesium could have such a huge impact on our body.

### **5. Describe what skills were needed to accomplish this project and how you improved those skills.**

Some of the things that were needed was adaptability, good research, editing skills and time management. As for adaptability, we needed to adapt to using platforms that we have never used before, for me that was Weebly. It was a little confusing using it at first but by the end I was confident with using it. I improved my adaptability with time and practise. As for good research you need to get the key information because there are heaps of websites out there. Out of all of them, most of the information is too overhead for us so understanding what your reading and is crucial to the research step. To get good research, I learnt you need to multiple websites because only one or two websites won't do it. To get a full understanding, you need to connect the dots from multiple sources. Research I found also doesn't mean you have to look at websites only. I found that watching videos with an animation helps a lot so I also got a new platform where I can learn, research and understand from. This I got better at by trial and error, practise and time. For editing skills, well that is similar to having good research. That came with practise which took some time. And as for time management, well that was because of planning. Other than getting this assignment done, we had other assignments so making the most out of our class time to work on this then at home was important. The way I improved that was by planning and not only planning for that day, but planning ahead so I knew what to expect and how much to get done everyday.

**6. What kind of feedback did you receive during the project and how did you change your project based on that feedback?**

The feedback I received was to make it different (e.g. colour-wise) on each page. I did this and now I feel like my website is now more unique and exciting to visit. It also makes each page stand out in its own way, it makes it look more visually appealing.

**7. Do you prefer this type of project based learning or more traditional lecture-based learning? WHY?**

I prefer this type of learning. I feel like I learn more and gain more knowledge this way then the traditional way. When it is just teaching, answering questions and taking notes, knowing myself I probably won't learn as much. I liked this because of 2 main reasons. One of it was that it was overall fun and way more enjoyable then the traditional way. The second reason was because since we had to do it at home and that it involved research, our own research, I learnt a lot. Putting what I learnt in my own worlds helped me learn about a whole new topic and I learnt a lot through this assignment.

**8. Did having a choice in your project (choosing an element and a presentation style) make the project more enjoyable? WHY or WHY NOT?**

Yes it did. Choosing the element was good because we chose what interested us and so it was having that little bit more freedom that gave us motivation. And choosing the presentation style was also good because it gave us an opportunity to do and present our work in a style that we like and playing around with it was fun. Also having a choice on which platforms, we would like to use made it more enjoyably because if we were allocated a specific one, then we may not enjoy and prefer using that platform over another one.

**9. Did using digital presentations make the project more enjoyable? WHY or WHY NOT?**

Yes. First of all I feel like we can do so much more on technology. What we can do on technology is very advanced. The second reason is because I find working digitally is easier for me. I am not an art person so if we were to do it by hand, then I would have found it more dreadful then doing it digitally.