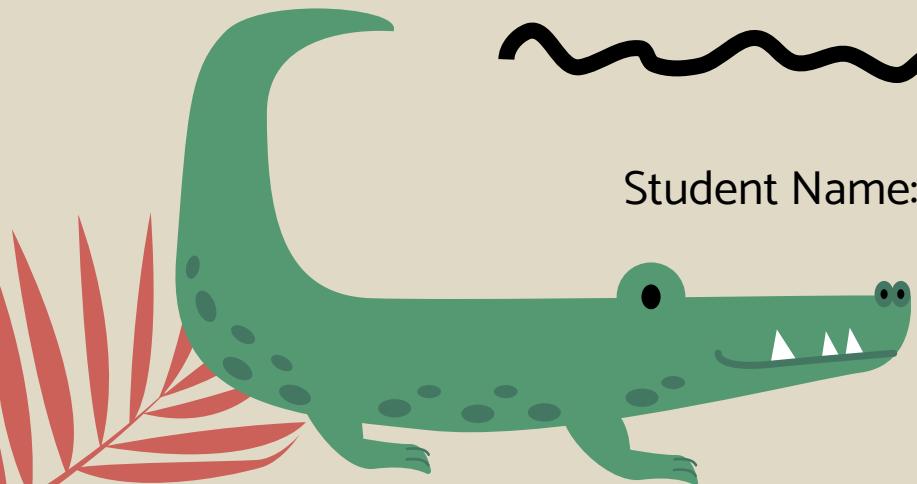


# Animal    enclosure    challenge

Student Name: Nancy and Maggie



# Your challenge

Can you create a zoo  
enclosure for your plastic  
animal that is built to the  
scale of the animal?

# What do you take from these videos and sites?

I think that it's shocking that 96% of animals in the world are just for farming and 70% of the birds in the world are (probably) chickens   or other farming birds (like turkey  and ducks A decorative graphic in the top right corner featuring large, stylized leaves. One leaf is orange and another is green, both with prominent veins and serrated edges, set against a light beige background.

# How does saving a species impact this issue?





A PICTURE IS  
WORTH A  
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WORDS



- You are going to be designing an enclosure to help preserve the population of your animal in order to reintroduce it to the wild.
- You need to think about the welfare of the animal. Check out the things Sydney Zoo do to keep their animals happy.

<https://sydneyzoo.com/conservation/animal-welfare>

# What did you find out about your animals nutrition and how is this included in your design.

**Brainstorming:** What type of vegetarian? How large are they? How many? Will they need water? Where do they eat? How would be best to get the food in the enclosure? Where will the keepers be when giving the food? (*hopefully not in the lion's mouth*)



# Can we research what others are doing?

Taronga Zoo Livestream:



Melbourne Zoo Livestream:



# **What factors do you need to include in the environment for your animal?**

Brainstorm: Are there any examples you can investigate in zoos or wildlife parks? Could you speak to an expert? How will you keep them protected from the elements? How will you make sure they've always got things to do.



Brainstorm: How can the keepers get into the enclosure for cleaning and/or health checkups? Do they have water?



Ideas? Again, what are others doing? Who could you ask about this information? How are you making sure they aren't bored? How do you know your animal likes this activity? Could you replicate their habitat in the wild?



Ideas? Again, what are others doing? Who could you ask about this information? How can you make sure they're learning the skills for the wild? What about social interactions with other animals? How do they live in the wild- packs, individual? Can they live with other animals maybe?



# But how big I hear you ask...

In the next section we will tackle some of the maths behind our enclosure....

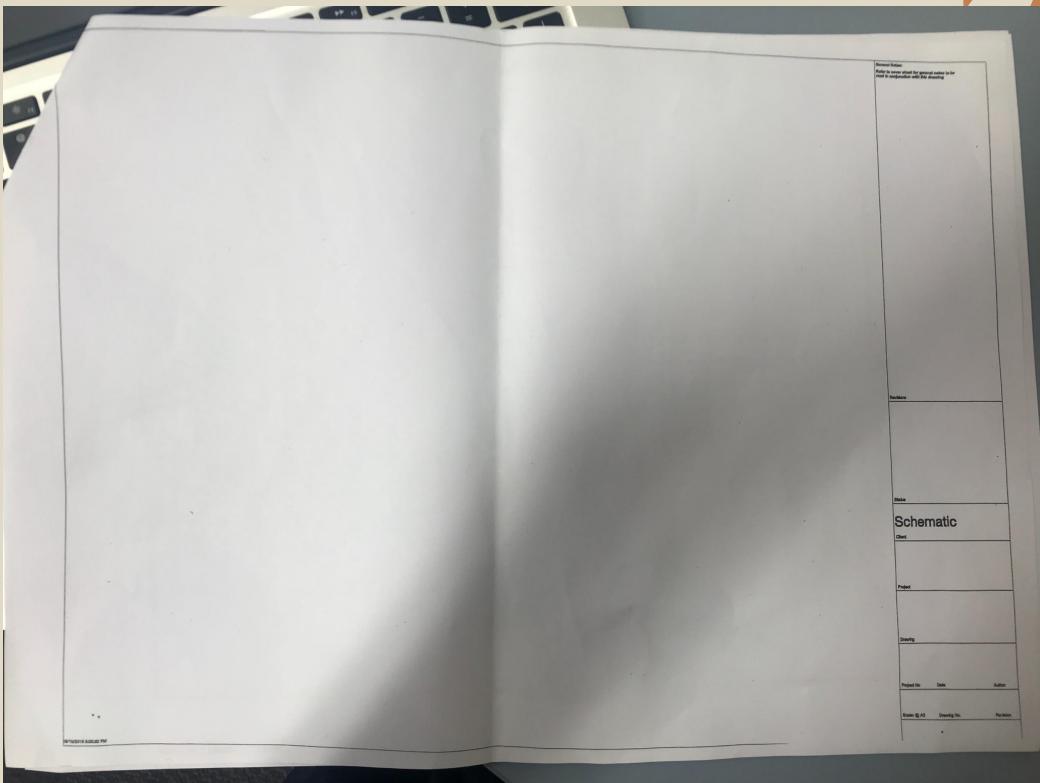


# Using the information on your slides...

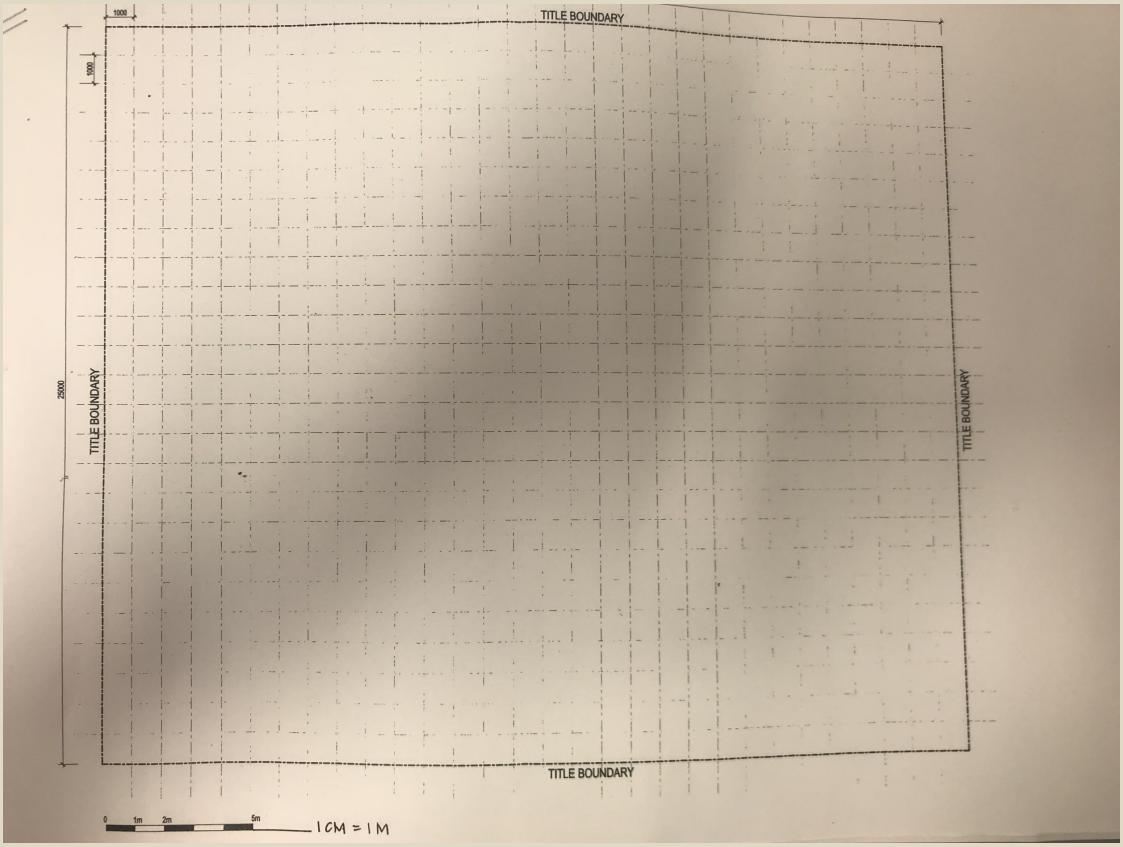
Task 1:

Rough drawing:

Here is where you and your partner roughly draw and space out your enclosure and maybe pick a different scale. No exact measurements in this stage. Think of this as your ideas page which you can always add to.

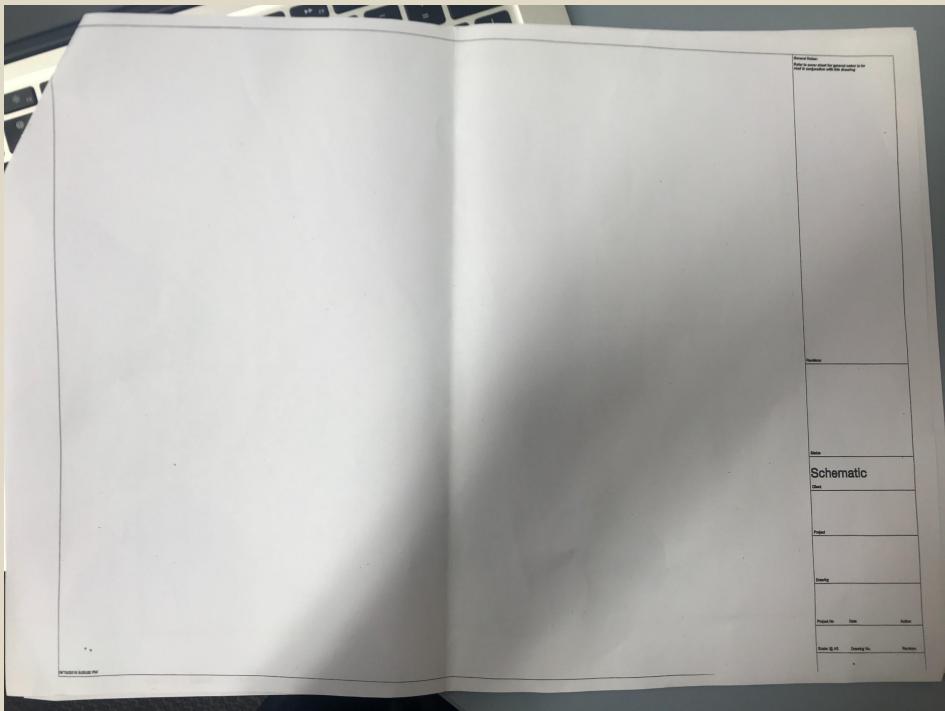


# Your scaled plan...



Using your draft as a guide, begin to plan out your enclosure using exact grids which will help you for your final blueprint.

# Your final blueprint:



Precise calculations drawn without boxes.

This is your final assessment piece.

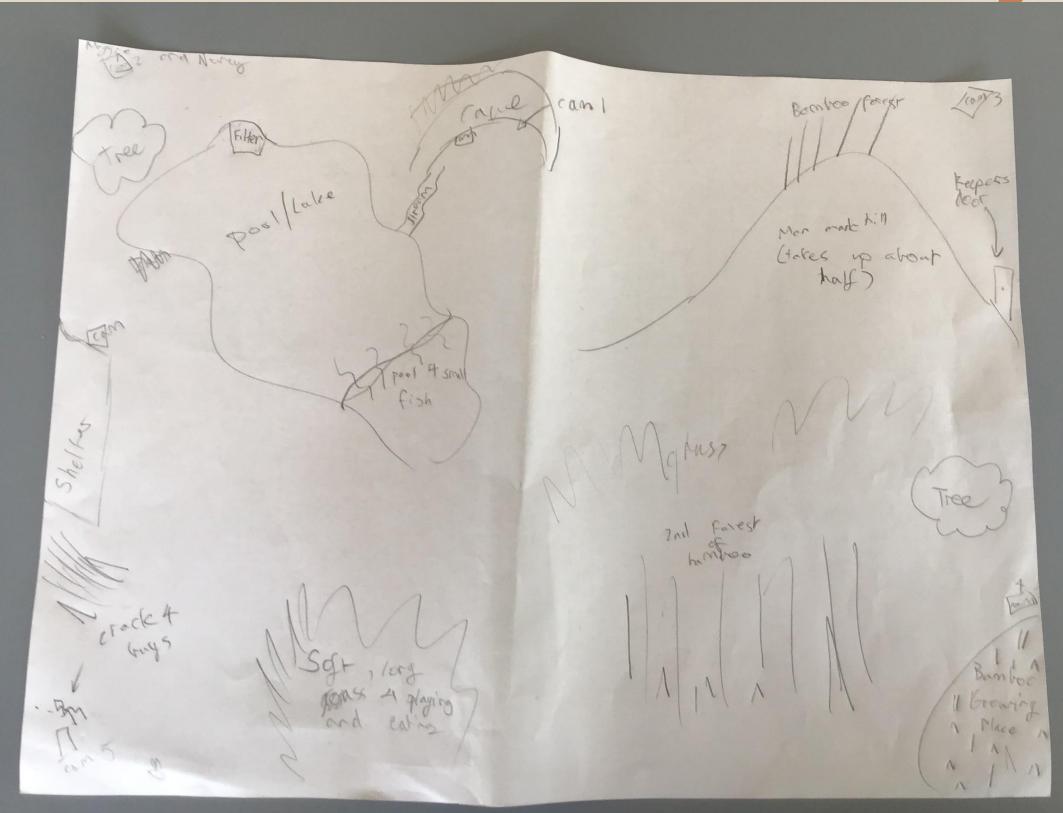
You need to include a table with your ratio applied (showing me exact measurements and scaled measurements) and a labeled key.

# Reflection Session 1:

Nancy was away, so I (Maggie) worked on the finishing touches for the draft and started the good copy. I started working out the measurements/ratio too (1cm = 5m 1:5).



# Session 1: Photo

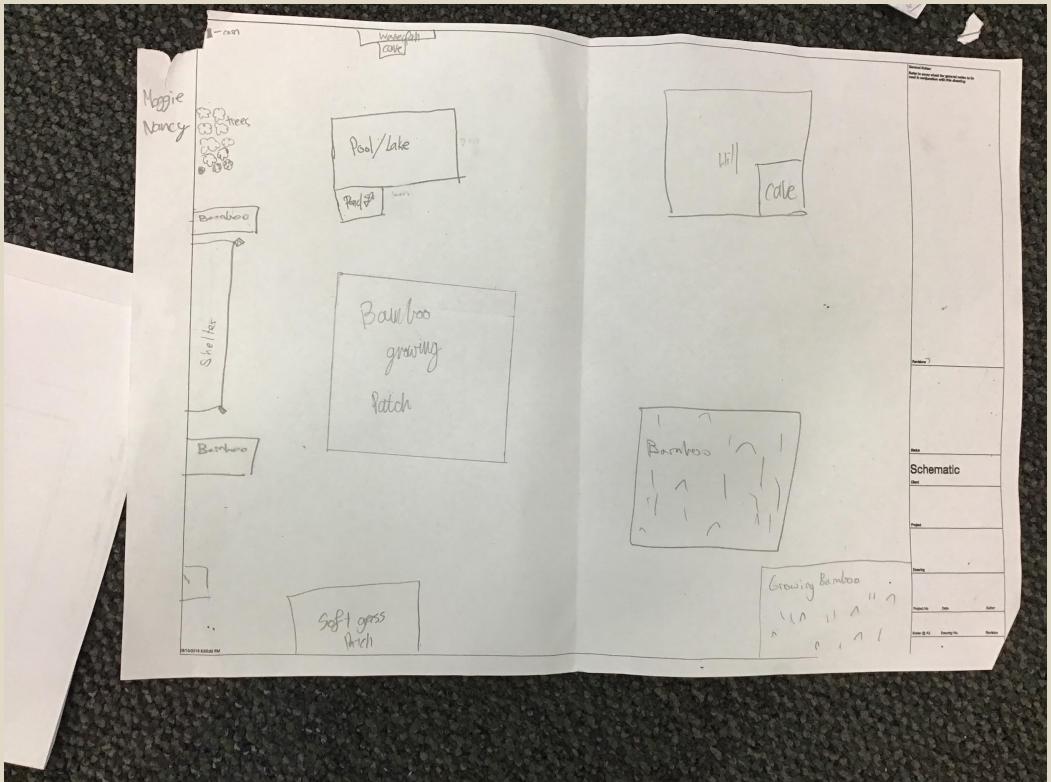


## **Reflection Session 2:**

We finished the final scaled drawing, adding some additional items (like a waterfall). We also started the blueprint and worked on google slides for a bit.



# Session 2: Photo

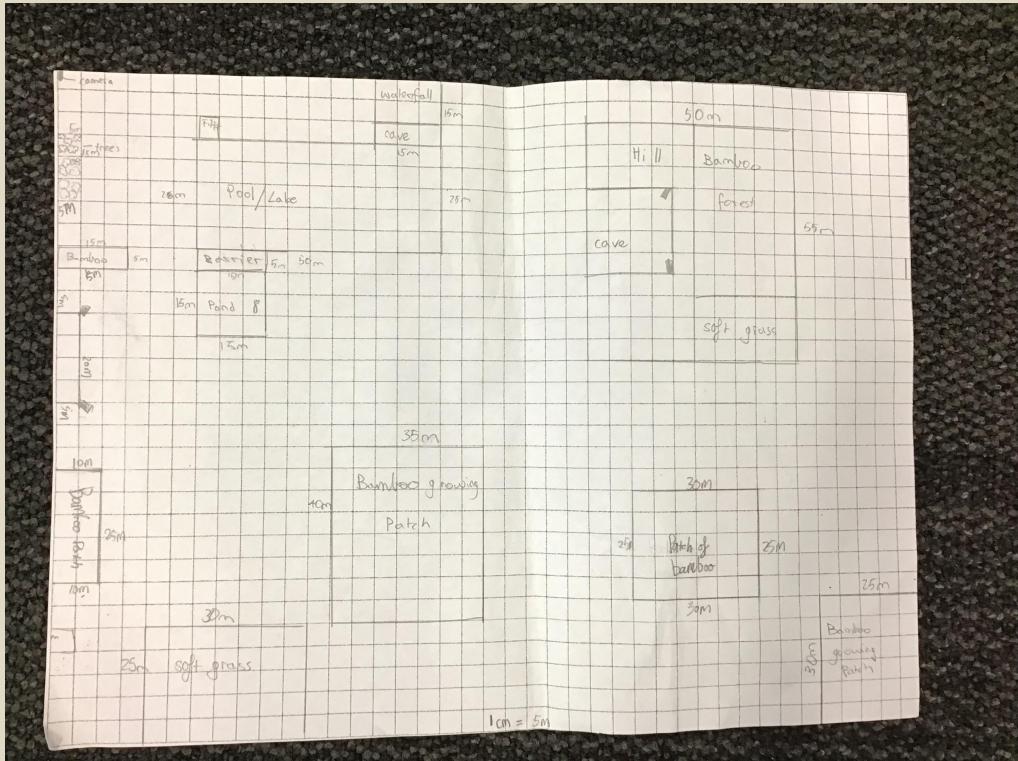


## **Reflection Session 3:**

We finished the blueprint and started on the reflections then together finished on the by finding ways to improve most things.



# Session 3: Photo



# Your final scaled drawing

