



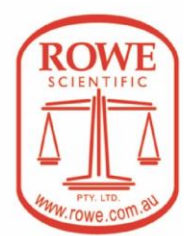
Prize Winner

Models & Inventions

Year 5-6

Aislinn Lauder

Woomera Area School



- Laser cutter - radiation
- Electricity
- heat

teacher supervision. And the laser cutter doesn't work with the lid open. We turn the laser cutter on when we are using it and off when we aren't. If the plastic is hot we will leave it in there a bit longer and we follow all the safety procedures for the laser cutter.

• computer - trip on cord

• work next to the wall where the laptops plugged in.

• Hot glue - Hot

• Don't touch the tip or put glue on yourself. If you do run it under cold water.

2020 Oliphant Science
Student Work - DO NOT COPY

The Evolution of Horses

My model is showing how horses changed over the years. I have shown this by making a model of the horse's hoof bones of three different horse species.

The earliest horse is called the Dawn Horse (Eohippus) and it lived 56 million to 33.9 million years ago. It has 4 toes on each limb and stood 30cm high.

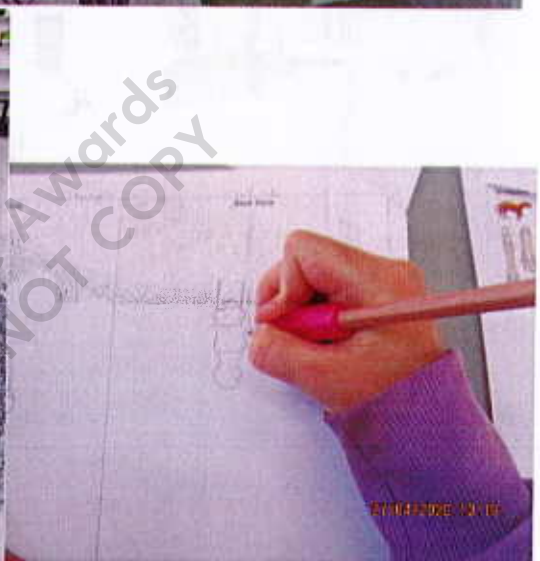
The next horse that lived was the Miohippus and it lived 30 to 40 million years ago. It has 3 toes on each limb and stood 70 to 75cm high.

The last horse is the Modern Horse (Equus) and it lives in the modern day. It has 1 toe on each limb and stands about 167cm tall.

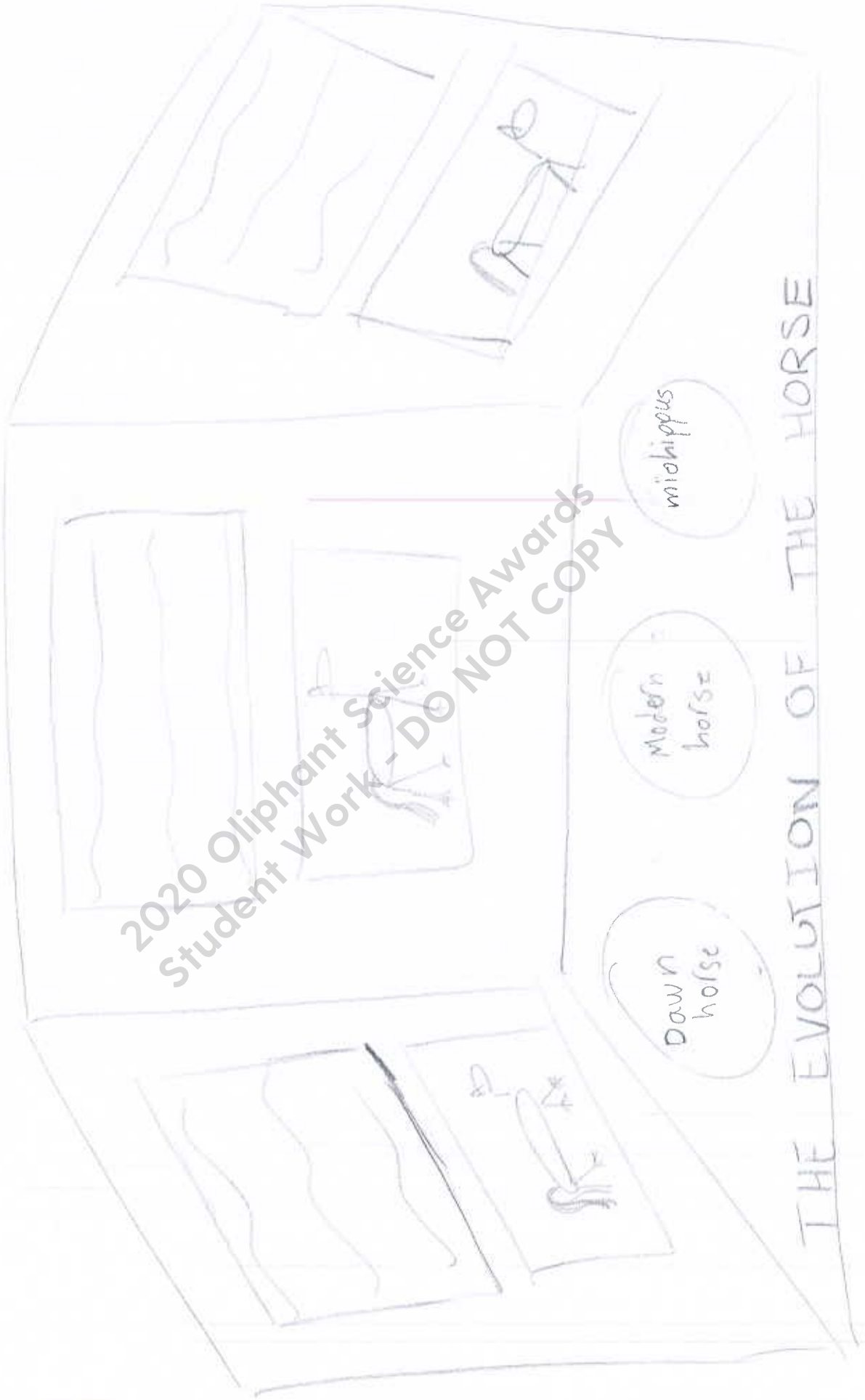


PRIZE WINNER

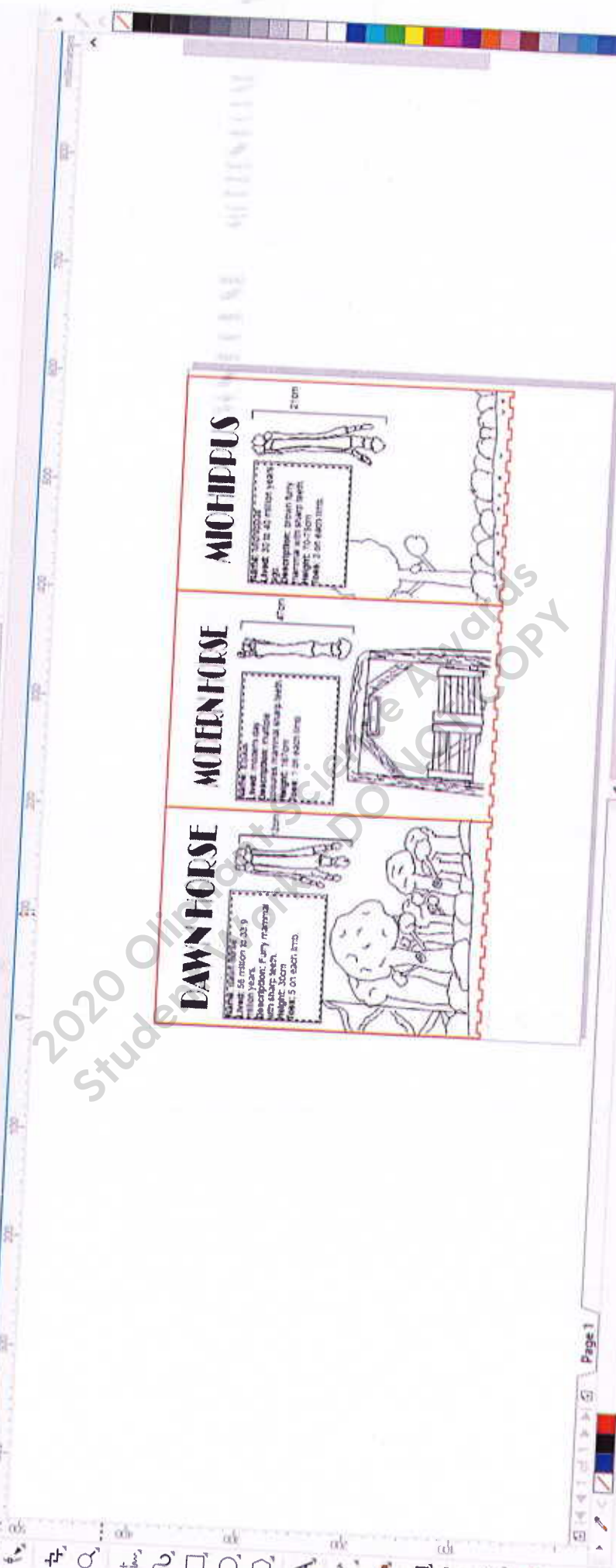
1. I researched about all the bones and found pictures to use for ideas. I made my model with tools and plasticine.



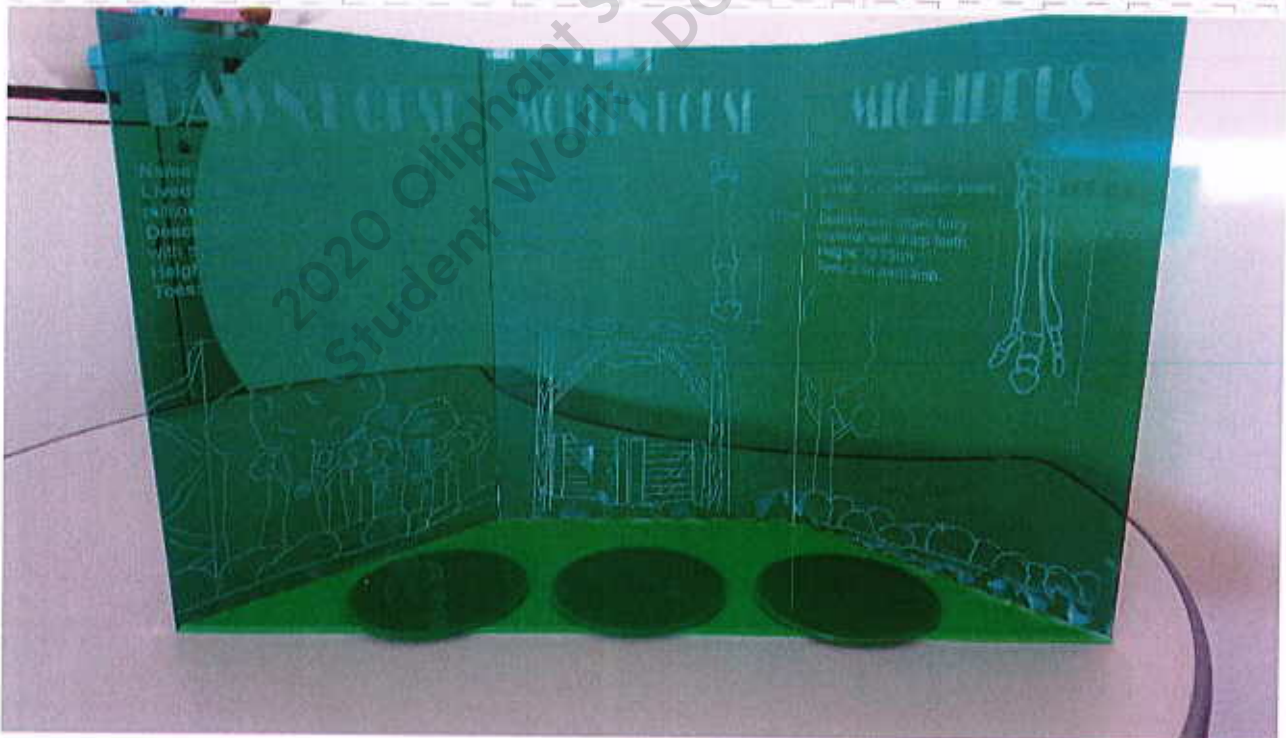
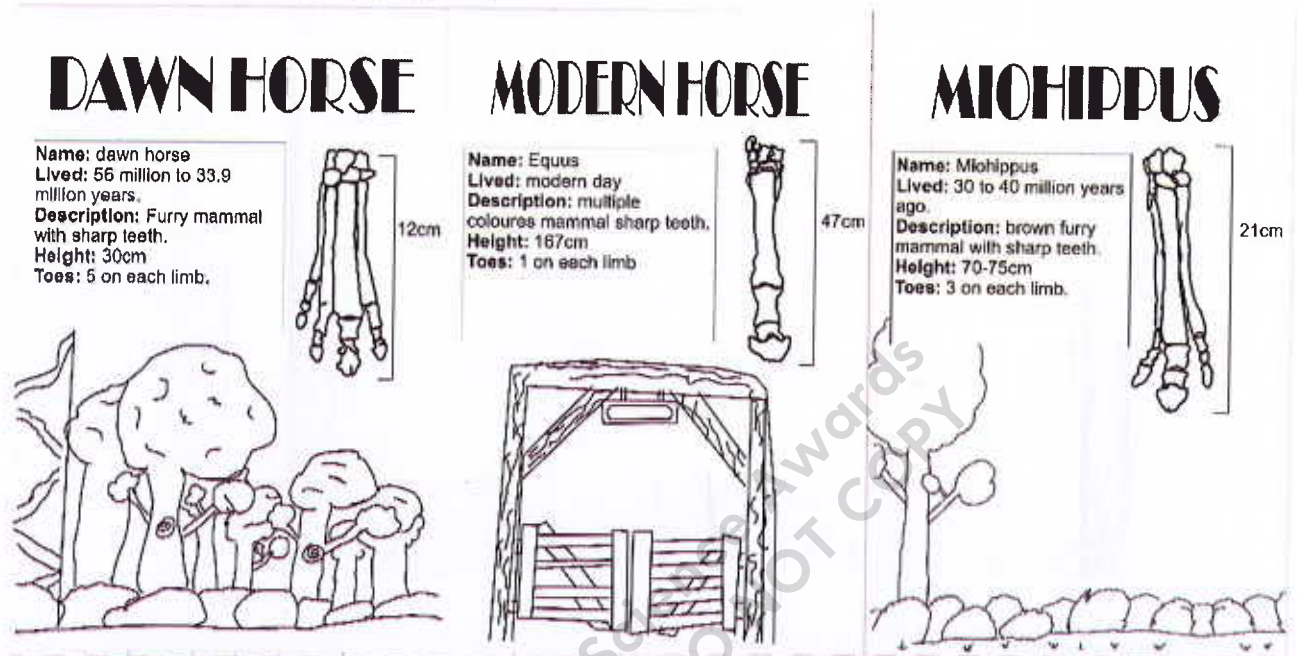
The plan





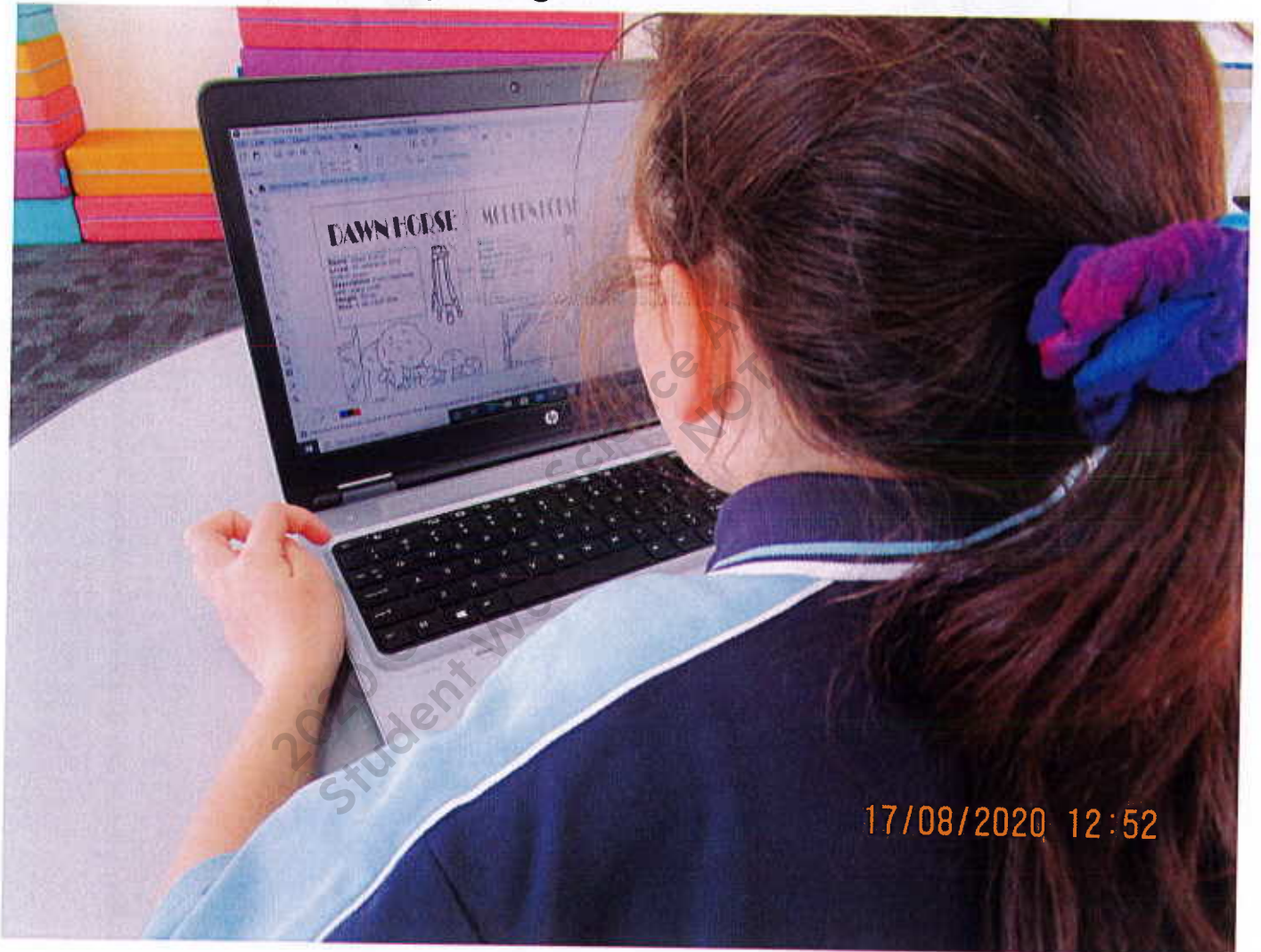


2. I made the display case by making a rectangle for each horse in Corel draw and then I wrote some facts about the horses on it. Miss Fowler taught me how to make a box joint using Corel Draw. Once she had taught me I was able to make the base and the back by myself. I then also wanted to make the models move so I thought if I cut circles they could spin.



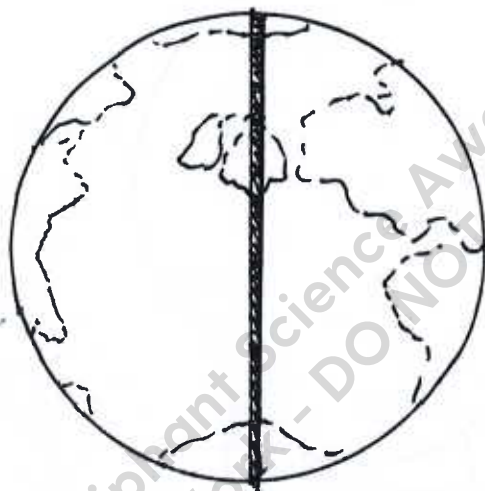
3. I also made it so that the models have a background for them. Each Horse has a background that shows where it lived. The Dawn Horse it lived in a forest area. The Equus lives in the paddock. The Miohippus lived in the bushy areas. I drew the back rounds on paper and then we scanned it then I traced them in Corel Draw.

4. I found the horse hoof pictures on the internet. I traced them on Corel Draw to put on my background

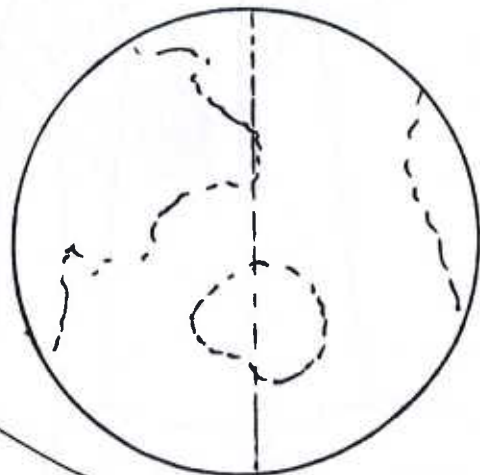
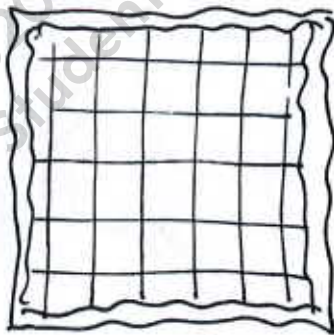
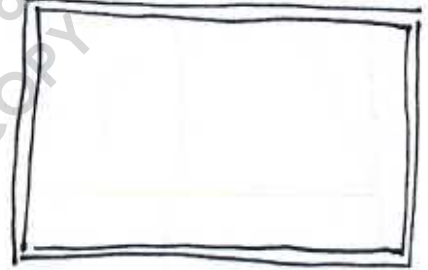


Longitude

- Lines of longitude are also called _____.
- They run _____ to _____ from the _____ Pole to the _____ Pole.



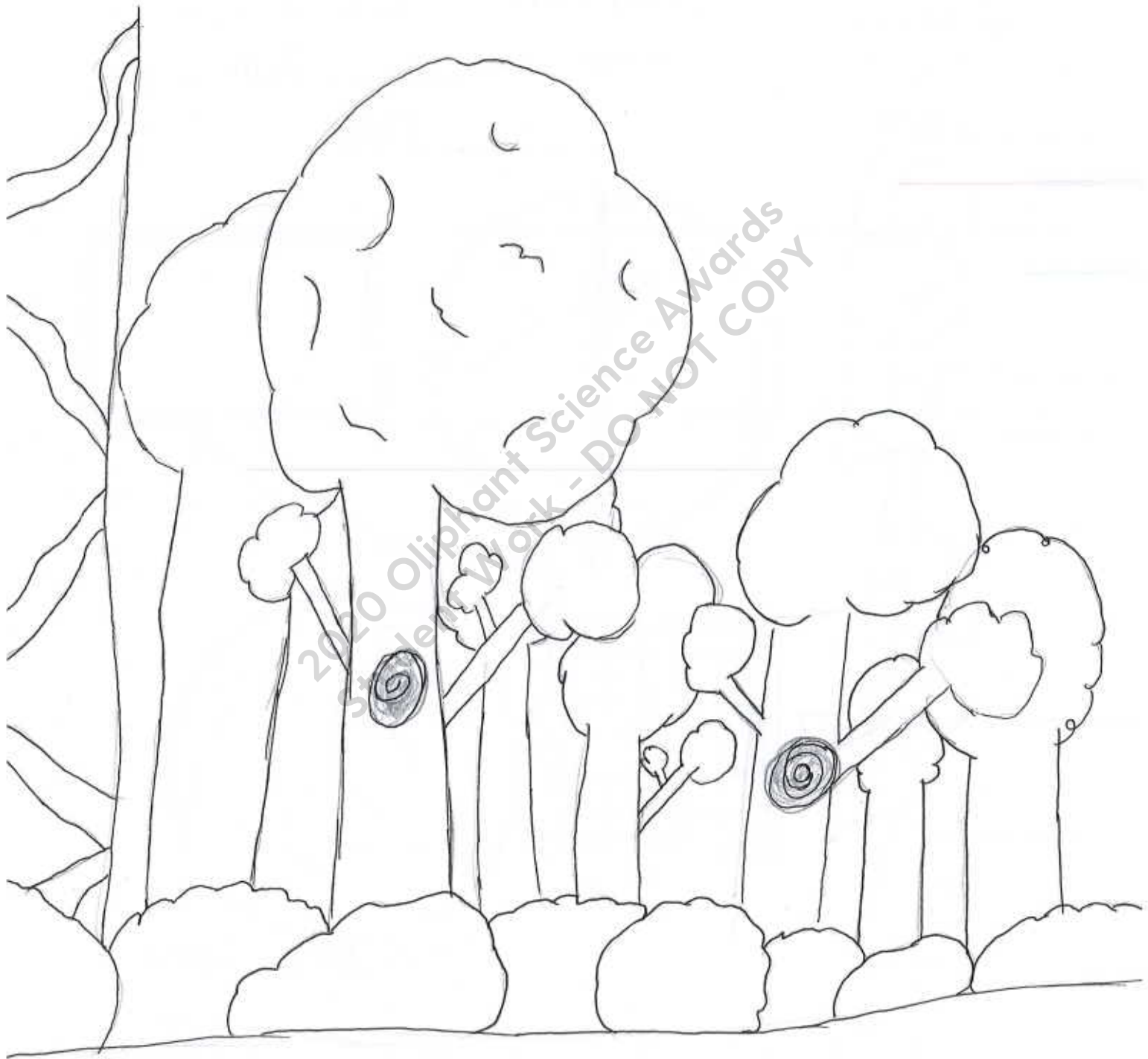
0° LONGITUDE



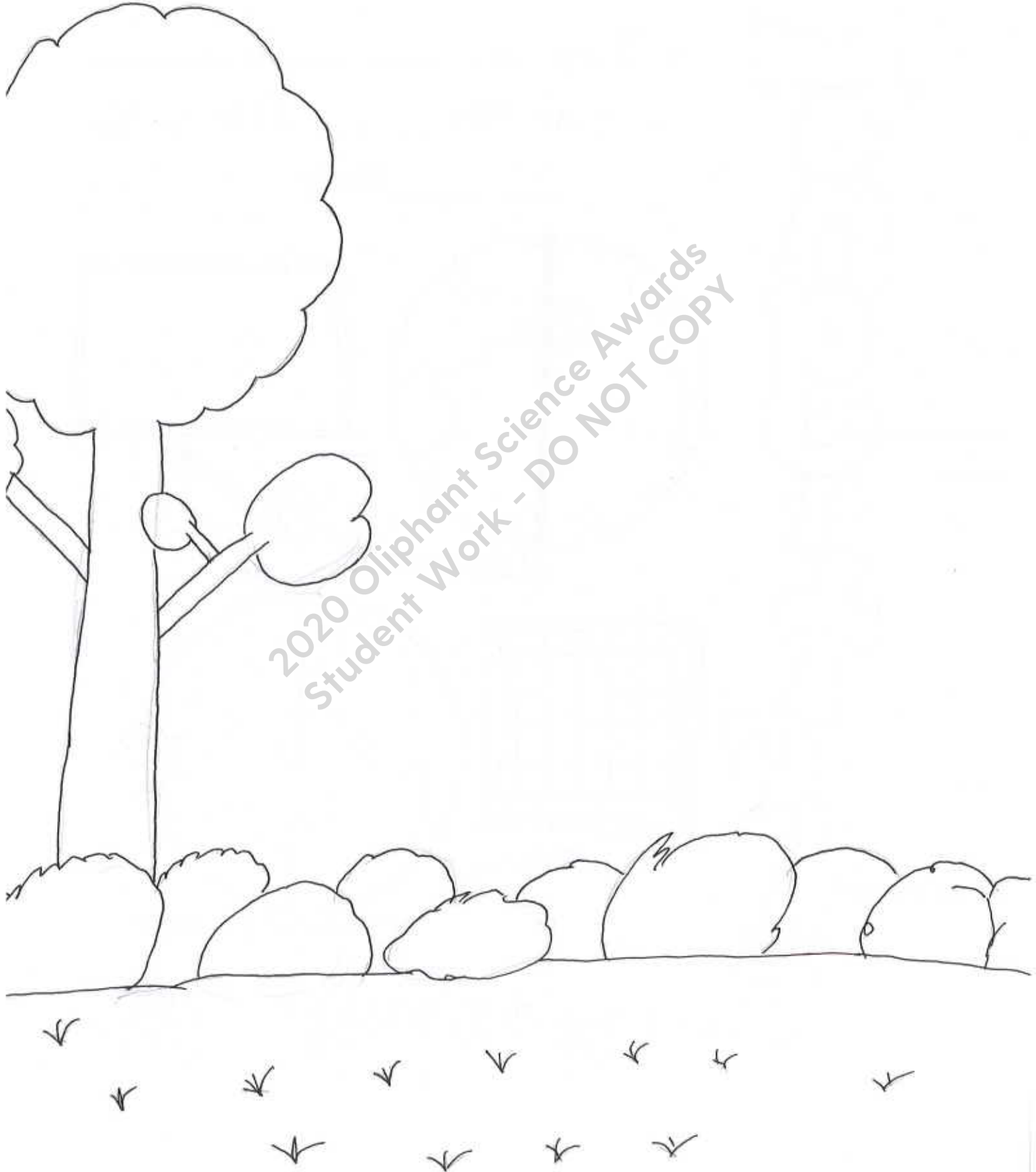
180° E = 180° W

000 LONG → STRONG!!!



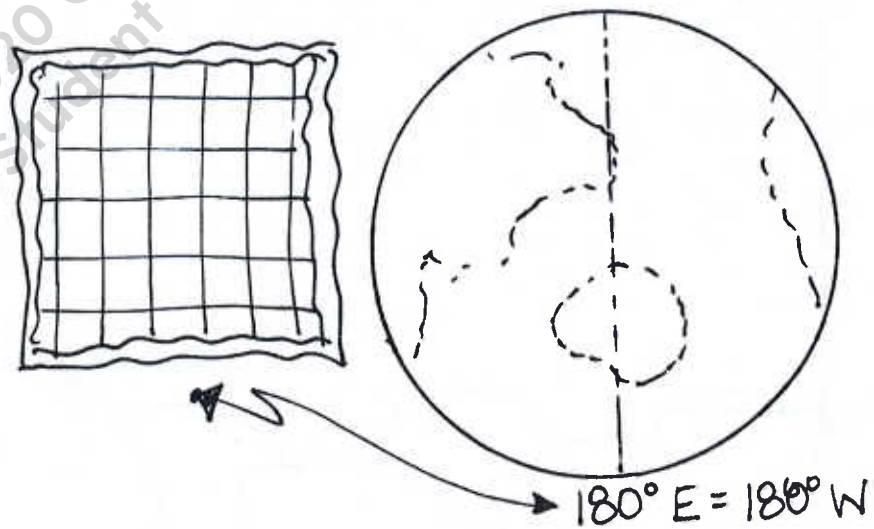
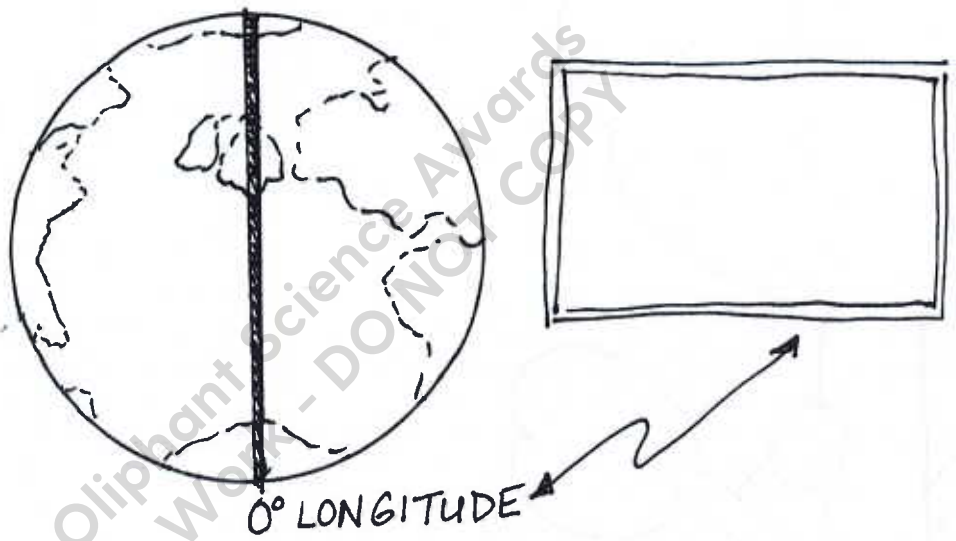


2020 Olyplant Science Awards
Student Work - DO NOT COPY



Longitude

- Lines of longitude are also called _____.
- They run _____ to _____ from the _____ Pole to the _____ Pole.

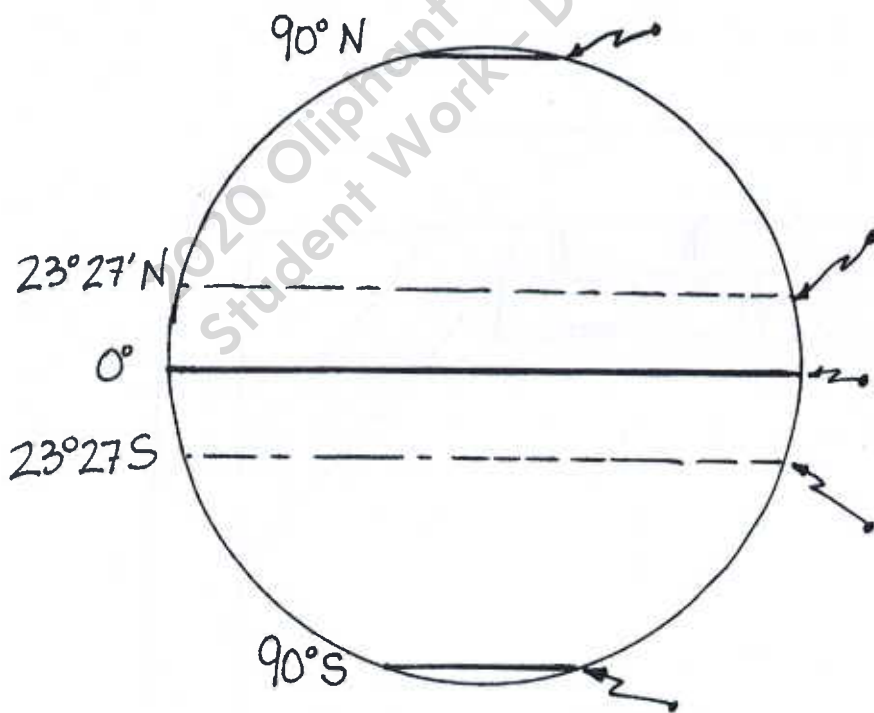



000 LONG → STRONG!!!



Latitude With Attitude!

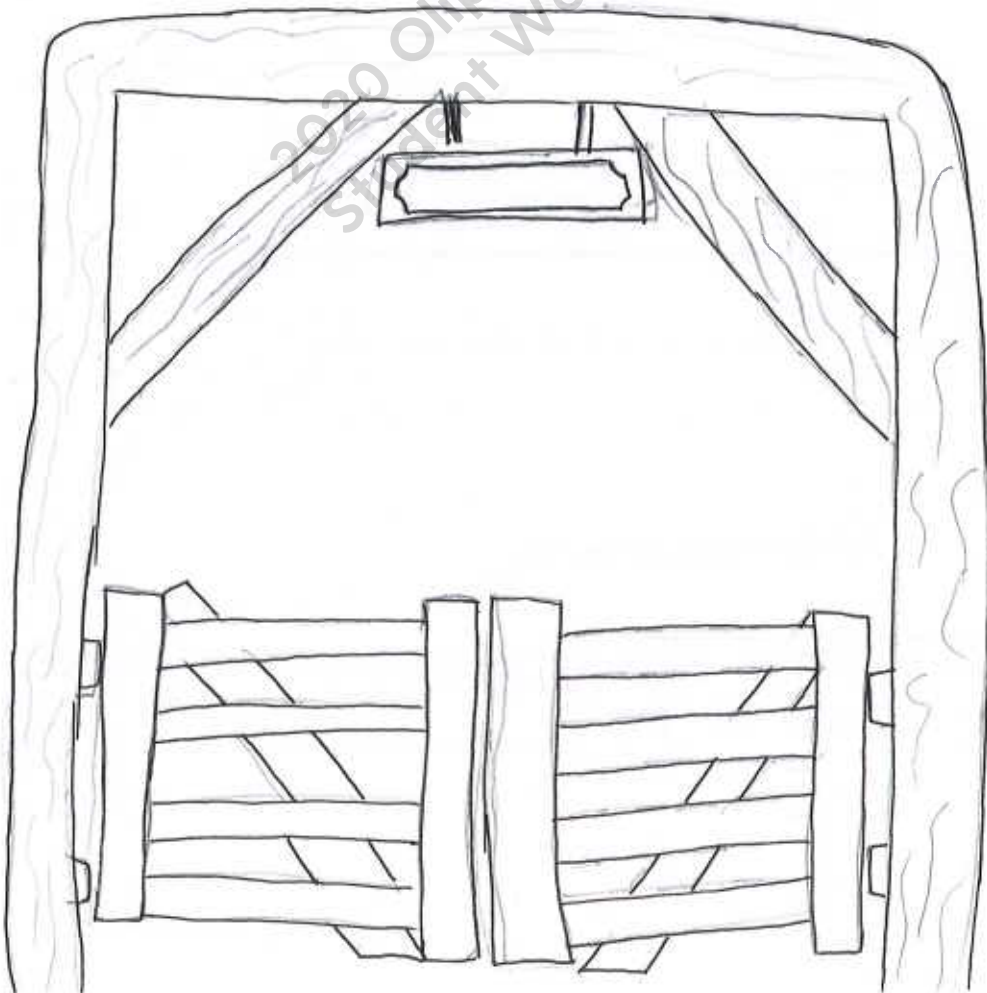
- Lines of latitude are called _____.
- They run _____ to _____ around the Earth.
- Latitude is measured in _____.
- IMPORTANT LINES OF LATITUDE ⚡



✖ Latitude location is shown in distance in degrees North or South of the ! 

pabbock

2020 Oliphant Science Awards
Student Work - DO NOT COPY

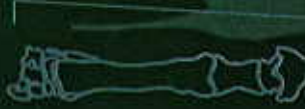


DAWN HORSE

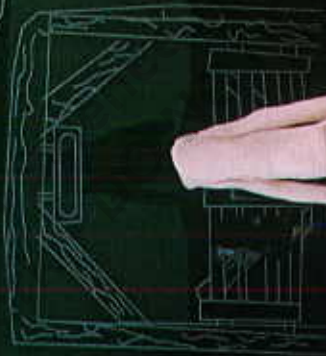


Name: Equus
Lived: modern day
Description: multiple
coloured mammal sharp teeth.
Height: 157cm
Toes: 1 on each limb

47cm



MODERN HORSE



MIOHIPPIUS

Name: Miohippus
Lived: 30 to 40 million years
ago.
Description: brown furry
mammal with sharp teeth.
Height: 70cm
Toes: 3 on each limb

21cm



5. Then I laser cut it and then I glued all the pieces together. Then I made stands using Corel Draw so that the models would be able to stand up.



Instructions

- *you move each circle to see all sides of that hoof.
- *you can do this with each hoof.
- *You also read the history of the horses.
- *Please DO NOT touch the model.

2020 Oliphant Science Awards
Student Work - DO NOT COPY