

Welcome back everyone to term 4. We hope that we can get through the term Covid free and just work through our normal Term 4 business. The kids seem happy to be back into it which is always great to see!

Welcome also to all our new families... thanks for choosing North!

It is always interesting to me when I show people around the school. There are still so many people who don't necessarily understand how much education has changed; **learning does not need to be hard work, boring or a drudge**. In fact as educators, we work really hard so that kids are learning through doing (might look like playing) and enjoying themselves. Teachers are continually looking for that teachable moment and are very focussed on teaching to the needs of the child. We are all about giving kids the opportunities to develop their ideas and thinking. THIS is what is going to be needed in this very uncertain future that the world is facing. For this reason this week's newsletter includes our **E-Pro8 out of the box thinkers!!!**

This was the task.... (Thanks Mr Clark for the summary)

The students were given about 50 minutes of building time per day for six days, with about 50 minutes to record and video the results before disassembling, our 2 teams (WOE8 and FOODIES) came up with two very different solutions to a problem which was:

- Create the animatronics for a creature to be displayed in a robotic nature museum. The creature was to have just ONE moving part (eg: spider with one moving leg), but it had to resemble the way the animal would have moved it.

Given the number of entries to be judged, the more spectacular the entry, the more points it would get for creativity. Size restrictions were also given.

The entries that follow were made solely by the children and presented

Apatosaurus

Hello we are the Foodies. In our team is Keanu, Roy, Ellsie and Isabella.

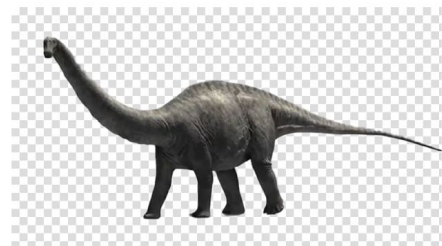
The Apatosaurus is a dinosaur that only eats vegetables and it has a very long neck. It lived in the Jurassic period. Our robotic dino has a curling tail.

Proportions

Body parts	Length on A4 image	Length on building	Proportions
Neck	70 mm	700 mm	X 10
Legs	50 mm	500 mm	X 10
Tail	90 mm	900 mm	X 10
Body	60 mm	600 mm	X 10
Head	10 mm	200 mm	X 10

Equipment

Items	Numbers
Poles 700 mm	10
Poles 500 mm	20
Poles 200 mm	20
Red connectors	40
Blue connectors	107 we broke one so 106
Reel	1
Nuts and bolts	106
Crank handle	1
Rope	1
Pulleys	4
Axel	1
Wheels	4
Rubber bands	14



Manaakitanga We value ourselves, others and the environment,

Kotahitanga, We own what we do, we have a sense of being together, we belong, **Manawanuitanga**:Determination to do our best and never give up

by them. The videos were also edited by team members. No adult influence was allowed, although Mr Clark found himself behind the video camera for the Foodies team. MANY THANKS to Mr Malcolm for allowing us the use of his room and lockup for the three and a half weeks of the competition, and thanks also to Mr Perigo for allowing CRT time for Kit and iMovie training. These entries are accompanied by videos. We'll keep our fingers crossed and see how they got on.

Keeping Ourselves Safe...

These classroom sessions have started this term across our entire school. Constable Lewis Barclay will be working in some classes for some sessions.

We are legally required as a school to cover this as part of the Health Curriculum and the programme has a HUGE focus on helping kids to be safe wherever they are (including the very daunting cyberspace!). If your children come home with questions, please don't hesitate to contact their teacher (email is fine) to discuss any issues that may arise.

Reporting at the end of 2020

This year we are starting to 'roll out' reporting changes at our school through a new learning management system called HERO. Over the course of this year (and

next) we have been (and will be) working towards being able to share your child's learning with you throughout the year, rather than just twice yearly paper reports. It is a HUGE undertaking, but we think it will be really useful for everyone. At the end of this year we intend to start this process and will have a small section open to parents which will be the end of 2020 report. However, as this is an online portal we will need ALL email addresses to ensure you can access what you need to access.

We had most of these during lockdown, but if yours has changed or for some reason we don't have it, could you email office@levinnorth.school.nz.

The SEASON of SUN (maybe!)

This term is supposedly the season of the sun and so according to our policies, children need to bring hats to school. Cancer society recommendations are that hats have decent brims and we would encourage this.

We are developing a number of different ways to help children to be more aware and be responsible for themselves in terms of sun smart behaviour and this year this will include many classes having a UV metre that children look at each day. We also expect that at school, children playing outside in the sun, will be wearing a hat and will use sun screen (which we supply).

We look forward to seeing a few sunhats arriving!

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Robotic Clam

We | **Font Color** because we thought it would be easier than a crab or something like that. We also thought that we knew what our moving part would be. Our moving part is the clam opening and revealing a pearl. It should be in the zoo because clams are simple creatures. We used paper because we thought it would look nicer. Our names are Kauri, Brendan, Jethro and Zephyr. James was our sub, and he helped out when one of our team members was away.

Proportions

Item	Length on A4	Length on model
length	185mm	1220mm
hight	60mm	1450mm with pole, 680 approximately for the clam
Upper shell	190mm	1410mm



Equipment used

Item	#
pulley	1
Winch	1
reel	1
rope	1
axles	7
Hand crank	1
700mm rod	17
400mm rod	17
200mm rod	13
rope	1
Red joiners	31
Blue joiners	104
Nuts and bolts	114
Heavy paper	2m x 1.5 m

