Stage 3

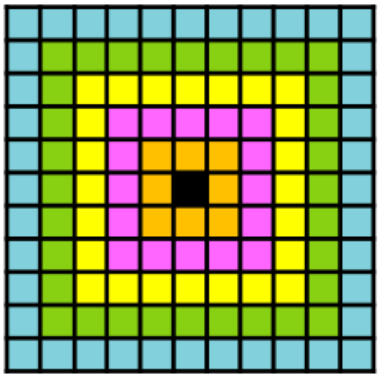
WEEK 8 - TERM 3

Remote Learning Pack

Week 8

Monday 30th August

Daily Check-In and Education Live Info	You will need to Log-In to your Google Classroom and Check-In with your teacher. Answer the morning question. Remember to check your emails to see any feedback given by your teachers. 10am - Education Live: Type in https://education.nsw.gov.au/ - then search Education Live
Spelling	Write out or type into your Google Doc your Week 8 List. Complete task one and two.
Reading /Literacy	Read Theory- 20 minutes - remember your teachers are monitoring your progress online Offline: Comprehension Task 1 - *A Brief History of Electricity*
Fruit break	*Have some crunch and sip and read a few chapters of a novel! Do this outside and enjoy the sunshine*
Writing	Daily Journal Writing MAKE BELIEVE MONDAY……..Write a story that takes place in the middle of the night
P.E / Fitness	Learn some awesome moves in Karate for beginners: https://youtu.be/WuMKgdoY3r0 Remember this is not to be used on your brothers and sisters! If you can't get the link use the attached Doc: Ninja Princess.
Morning Tea	Go outside and take some morning tea
Quiet Reading	Choose your own Novel and READ for 15-20mins.

Maths Mentals	**Problem of the Day:** (Blue around the outside, Green in the next circle around, then yellow, pink, orange and black is in the middle). This is a magical tiled floor. The black square in the centre is your escape. You have to get to your escape by standing on every tile. There are rules: You cannot go on any tile more than once. You are not allowed to step on more than two tiles of the same colour one after another.  **Number of the Day:**162 (questions are on Google Classroom or in the printed pack)
Maths 	**Volume and Capacity** 1.**Warm-Up:** Using 10 construction cubes, dice or blocks, see how many different shapes you can build in 2 minutes. (Volume) Draw or photograph your favourite shape constructed from 10 blocks. 2.**Don't Get Wet:** Set up a table with at least 6 different sized containers and one cup. Place the containers in order, smallest to largest (capacity). Estimate how many cups you will use to fill each of the containers. Test and see if you were correct. 3. **Investigation:** Find a container with mL marked on the side. Estimate how many mLs are in each container if it's full then measure the capacity of each container using your marked container. 4. **Written activity:** Draw at least 6 containers or objects for each unit of measurement (mL and L) e.g. litres for a bucket, millilitres for a glass, etc. 5. **Interactive Game:** (reading scale) https://ictgames.com/mobilePage/capacity/index.html 6. **Extension:** Witches Cauldron/Magic Potion Create a potion for a witch or wizard. Give your potion a creative name. The potion must be 600mL. You can use 6 ingredients in your potion (only 6). No ingredient should be 100mL or the potion will explode. Be creative with your ingredients and amounts, See if you can reach exactly 600mL or the potion will explode… Record your potion name and ingredients using the magic potion sheet.
Lunch	Have lunch /play
STEM	Fizzy Colours! Follow the instructions on the sheet provided. Have some fun with it! Send a photo to your teachers or post a picture on the Jamboard on your class STREAM!!

SPELLING WEEK 8

TYPE IN YOUR WORDS DAILY

deflate				
debriefed				
decode				
decompose				
defuse				
recycle				
rebuild				
rewrite				
replace				
revisit				
near				
nearly				
never				
news				
noise				
affect				
complete				
decorate				
delicious				
vaccine				

Activities:

One
Write 6 different sentences using spelling words using ALLITERATION!! Silly sentences are fun! Example: Ned was near the netball court when out of nowhere he needed a nap.

Two
Find the meanings of the following words using a dictionary. Find or draw an image to accompany each word.
decompose, deflate, defuse, delicious, vaccine

Three
Syllable Words: Group your spelling words according the the number of syllables

Four
Handwriting Hereo: Write out your spelling words in your best cursive or fancy handwriting

Five
Select one word and find as many small words as possible - do this with three of your list words
eg: decompose ; come, mode, pose

Six
Story Time - write a story using as many of your spelling words as you can. Underline each of your spelling words.

Seven
Letter Lingo: Write a letter to your teacher. Use as many spelling words in your letter that you can

Eight
Word Work Sorting - type your words into the correct column depending on how many letters are in the word

4 letters	5 letters	6 letters	7 letters	8 letters	9 letters

A brief history of electricity

Look around your house and consider how reliant you may be on electricity. You use electricity to power the lights that help you to see at night, electricity to warm the water for you to have a shower and, you guessed it, electricity to cook your dinner, which in turn has been kept cool in the refrigerator using electricity!

Electricity is used in many different ways and locations all over the world. Think where we might be without this revolutionary concept. Most people think that electricity was invented, but this is in fact incorrect. It actually occurs naturally. An example of natural electricity is lightning, which can be seen in the sky during a storm. Many objects have been invented though that use electricity to work, such as light bulbs, batteries and motors. These objects were invented many years ago by now well-known scientists and inventors, who were noted for their determination and curious minds.

One name that is synonymous with the advancement of electricity is Benjamin Franklin. In 1752, Franklin was curious about lightning and decided to conduct an experiment to prove that it was electrical. During a thunderstorm, he went out and tied a metal key to the bottom of a kite. He then waited for a lightning strike and just as he suspected it would, electricity from the storm clouds flowed down the string, which was wet, and gave him an electrical shock. Today, we know not to go out in a storm as it can be very dangerous. Franklin was very lucky to not be seriously injured. Although he put himself in harm's way, this experiment turned out to be one of the most important experiments of all time.

Another American inventor who was pivotal in the advancement of electricity is Thomas Edison. In 1879, Edison found a way to use electrical power to make light and produced the first commercially practical incandescent light (the emission of light caused by the heating of a filament). Although Edison is often thought of as the inventor of the light bulb, he was certainly not the first nor the only inventor to invent an incandescent light bulb. In fact, some historians believe that there were over twenty inventors of incandescent lamps prior to Edison's version. However, Edison is often credited with the invention because his version was able to outstrip the earlier versions with his reliable light bulb that could last over 1200 hours.

Advancements in electricity started to move faster after these significant findings and by the end of the 1880's, small electrical stations based on Edison's designs were in a number of cities. At this stage, each station was only able to power a few city blocks, but by the 1930's, the majority of people living in larger towns and cities had electricity. It took longer for electricity to reach rural communities.

Today, most people around the world have access to electricity, although we need to ensure that we are using this resource wisely. Environmental concerns are driving continued advancements in the production of electricity and its sustainability. Wind power, solar energy using the sun, hydroelectricity using water and biofuels using plant and animal waste are all being developed. The aim of these renewable energy sources is to bring down carbon emissions, caused by the production of electricity from fossil fuels.

Name: Date:

Questions

1) Why is it incorrect to say that electricity was invented?

2) Which two individuals can be credited with the advancement of electricity?

3) What does the word '*synonymous*' mean here?

4) List as many uses of electricity at your school as you can. What things would be difficult for you to do at school without electricity?

5) How many days could a light bulb that lasts 1200 hours be on for before needing to be replaced?

6) What are some ways that you think electricity would be used differently around the world? Do you think everyone has the same access to electricity? Why/why not?

7) Do you think it is important for electricity providers to produce electricity that is sustainable? Why?

Beginners: Do 3 sets with a 2 minute rest in between.

Plenty of energy: Do 5 sets with a 2 minute rest in between.

ninja PRINCESS

DAREBEE WORKOUT © darebee.com

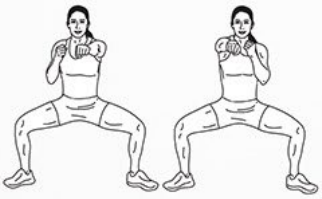
LEVEL I 3 sets **LEVEL II** 5 sets **LEVEL III** 7 sets **REST** up to 2 minutes

10 knee strikes

20 punches

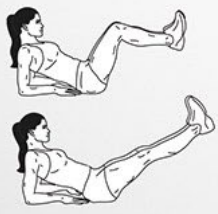
10 side lunges

10-count tree pose hold



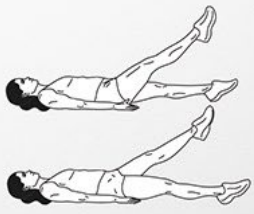
20 squat hold punches

10-count tree pose hold



10 crunch kicks

20 sitting punches



10 flutter kicks

daily mathematics challenge

TODAY'S NUMBER OF THE DAY IS:

1. Double it.
2. Add 127.
3. Round to the nearest 100.
4. Divide by 1000.
5. Write it in words.
6. Use < or > to indicate if it lesser than or greater than 99.
7. Odd or even?
8. Create a pattern.
9. **Extra time:** write a word problem.
10. **Extension:** write a rule for your pattern.

daily mathematics challenge

TODAY'S NUMBER OF THE DAY IS:

1. Double it.
2. Add 1762.
3. Round to the nearest 100.
4. Divide by 1000.
5. Write it in words.
6. Use < or > to indicate if it lesser than or greater than 987.
7. Odd or even?
8. Create a pattern.
9. **Extra time:** Write a word problem.
10. **Extension:** write a rule for your pattern.

daily mathematics challenge

TODAY'S NUMBER OF THE DAY IS:

1. Double it.
2. Add 213.
3. Round to the nearest 100.
4. Divide by 1000.
5. Write it in words.
6. Use < or > to indicate if it lesser than or greater than 84.
7. Odd or even?
8. Create a pattern.
9. **Extra time:** Write a word problem.
10. **Extension:** write a rule for your pattern.

daily mathematics challenge

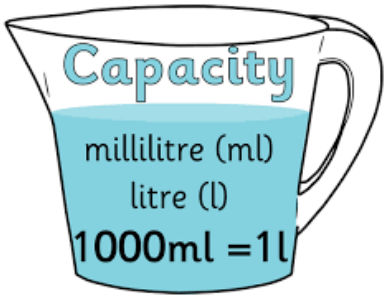
TODAY'S NUMBER OF THE DAY IS:

1. Double it.
2. Add 213.
3. Round to the nearest 100.
4. Divide by 1000.
5. Write it in words.
6. Use < or > to indicate if it lesser than or greater than 75.
7. Odd or even?
8. Create a pattern.
9. **Extra time:** Write a word problem.
10. **Extension:** write a rule for your pattern.

What is Capacity?

Capacity is..

the greatest amount a container can hold - usually measured in litres (L) and millilitres (mL)

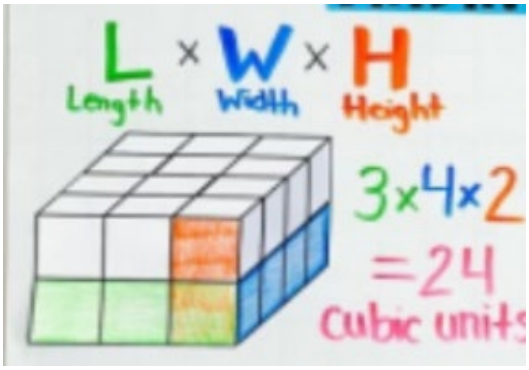


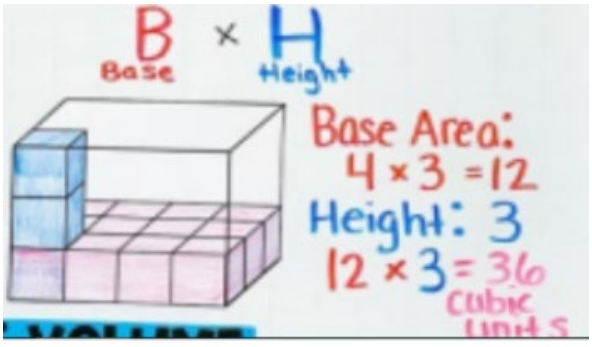
What is Volume?

Volume is..

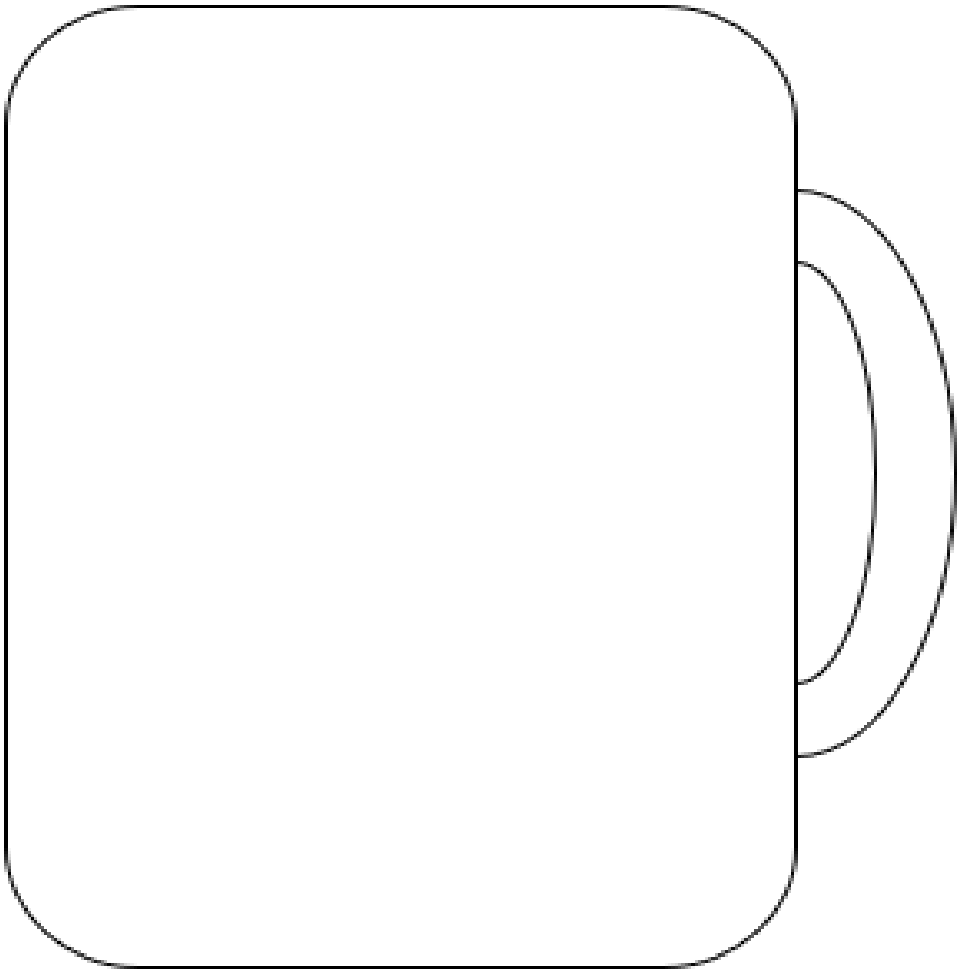
the amount of space a 3D object occupies - measured in cubic units (cubic centimetres and cubic metres)

How do we calculate the volume





Magic Potion



_____ _____

_____ _____

_____ _____

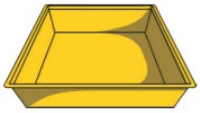
Fizzy Colours

You Will Need:


Paint pots or plastic cups


White vinegar

A few boxes of bicarbonate of soda


Shallow tray


Paintbrushes or medicine syringes

Food colouring in several colours

Instructions:

1. Pour out the bicarbonate of soda into the tray and spread it out.
2. Drop a few blobs of different coloured food colouring into each paint pot.
3. Top up to half full with white vinegar.
4. Put a paintbrush or medicine syringe into each paint pot.
5. Suck the coloured vinegar into the syringe or soak the paintbrush.
6. Drip the colour into the tray. What happens to the powder? What happens to the liquid?
7. Once you have dripped 2 or more colours use the brush to mix the 2 colours together. What happens?
8. What can you see in the mixture?

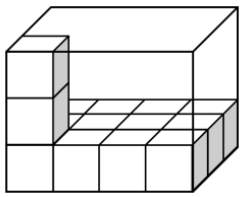
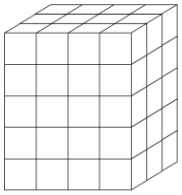
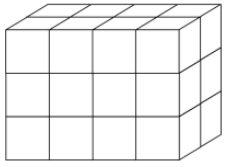
The Science

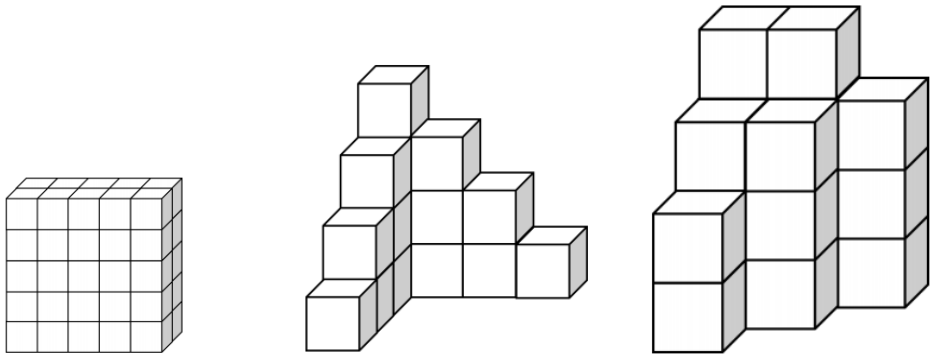
You just made a chemical reaction! You mixed the acid (vinegar) and the alkali (bicarbonate of soda).
Did you see the bubbles of carbon dioxide (CO^2)? That is a gas. The bicarbonate of soda is an alkali, it reacts or changes when it mixes with an acid like vinegar because they are very different. If you mix either one with water (which is neutral, not an acid or an alkali) nothing happens because they are not as different.

Week 8

Tuesday 31st August

Daily Check-In and Education Live Info	You will need to Log-In to your Google Classroom and Check-In with your teacher. Answer the morning question. Remember to check your emails to see any feedback given by your teachers. 10am - Education Live: Type in https://education.nsw.gov.au/ - then search Education Live
Spelling	Write out or type into your Google Doc your Week 8 List. Complete tasks three and four.
Reading /Literacy **10am**	BTN - Watch BTN at 10am or follow the link below to watch this week's episode. In your workbook or on a Google Doc, write a summary of one of the stories featured this week that interested you. https://www.abc.net.au/btn/classroom/
Fruit break	*Have some crunch and sip and read a few chapters of a novel! Do this outside and enjoy the sunshine*
Writing	**Descriptive Writing Task** Good descriptive writing makes use of **adjectives** and **adverbial phrases.** Check out these clips to refresh your understanding of how to use adjectives and adverbs: ● https://www.youtube.com/watch?v=w6KzAj7CZXQ ● https://www.youtube.com/watch?v=VPYjEUGyN-0 Try this Quiz: ● https://www.youtube.com/watch?v=hnqEvgUci8k Your task today is to **write a paragraph that describes a setting.** You should include: ● descriptions of the place **where** the setting occurs; **sights, sounds & smells**. ● Reference to **when** - perhaps the time of day, year, season. ● **Other details** that your reader should know, like the weather. **You can describe any setting you like**, but to get you thinking, some ideas for a setting include: ● On a ship at Sea *(in a storm?)* ● A desert island (*at midnight?*) ● A tropical rainforest *(in summer?)* ● The bottom of the ocean (*at a party?*) ● A classroom (*in the year 3000?*)

	• A station (*on the moon?*) • A battle ground (*in a video game?*) Complete your writing in a book or on paper.
P.E / Fitness	Born to move https://watch.lesmillsondemand.com/born-to-move-free/season:1/videos/born-to-move-21-8-12-natural If you can't get the link use the attached Doc: Superhero HIIT.
Morning Tea	Go outside and take some morning tea
Quiet Reading	Choose your own Novel and READ for 15-20mins.
Maths Mentals	**Problem Solving:** In a farm, there are some cows and chickens. If there are a total of 35 heads and 110 legs, then how many cows and chickens are there? **Number of the Day:** 398 (questions are on Google Classroom or printed in the home learning pack).
Maths	**Volume and Capacity** Investigation: Collect some small rectangular containers. Measure the volume of the rectangular containers by packing them with cubic-centimetre blocks (or building blocks, whatever you can find of uniform/same size). Draw (or photograph) and record. If you have plastic containers you can compare the capacity (using water - mL) and volume (cubic - centimetres) measurements. Written Activity:   

	1 2 3  4. 5 6 Work out the volume of each of the shapes above in cubic centimetres (not to scale) Can you figure out an easy formula for calculating the volume? (Use length, width and height) Find some household objects and see if you can work out their volume. Measure using a ruler and use the formula to calculate. **Interactive:** **https://www.sheppardsoftware.com/math/geometry/volume-game/**
Lunch	Have lunch /play
Geography	**Work on your ASIAN Country Research Project** - use the prompt provided if necessary. Please touch base if you have any questions about your research! Please 'Turn In' your research for your teachers to see how you are progressing with this and give feedback. We will then return to you to keep working on. **DUE - Week 10 (bring into school when we return)**

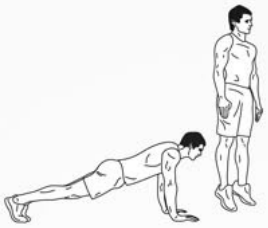
Beginners: Do 3 sets with a 2 minute break in between.
Plenty of energy: Do 5 sets with a 2 minute break in between.

superhero HIIT

DAREBEE WORKOUT © darebee.com

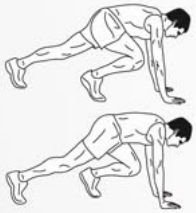
Level I 3 sets **Level II** 5 sets **Level III** 7 sets | 2 minutes rest

30sec high knees



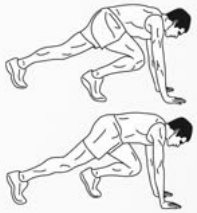
30sec basic burpees

30sec high knees



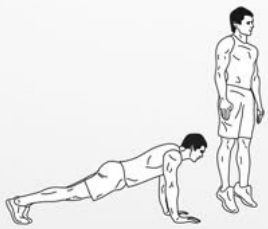
30sec climbers

30sec basic burpees



30sec climbers

30sec high knees

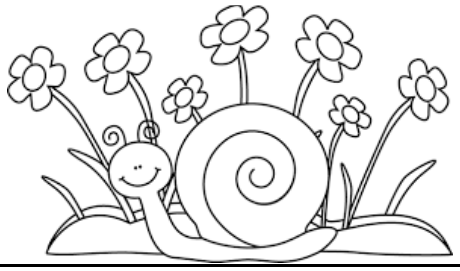


30sec basic burpees

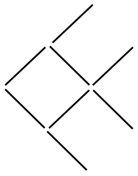
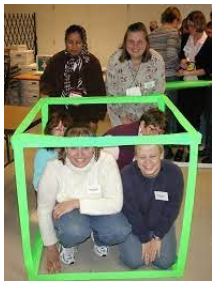
30sec high knees

Week 8

Wednesday 1st September



Daily Check-In and Education Live Info	You will need to Log-In to your Google Classroom and Check-In with your teacher. Answer the morning question. Remember to check your emails to see any feedback given by your teachers. 10am - Education Live: Type in https://education.nsw.gov.au/ - then search Education Live
Spelling	Write out or type into your Google Doc your Week 8 list. Complete task five and six.
Reading /Literacy	**Online**: Reading Eggs: Comprehension **Offline**: Comprehension Task 2 - *The Secret Society of Vegetable Venerators*
Fruit break	*Have some crunch and sip and read a few chapters of a novel! Do this outside and enjoy the sunshine*
Writing	**Descriptive Writing Task 2** Check out these clips to refresh your understanding of how to create a character description: ● https://www.youtube.com/watch?v=LhOBuYQJPEY ● https://www.youtube.com/watch?v=oEhQoxdr87A Your task today is to **write a paragraph that describes a character.** Remember that good descriptive writing makes use of **adjectives** and **adverbial phrases.** You should include description of: ● The character's **appearance.** ● The character's **voice, and accent.** ● Their **manner and habits.** ● Their **mood** and feelings. ● Other interesting details that help your reader get to know your character, like their name. **You can describe any character you like**, but to get you thinking, some ideas are: ● A bank robber ● A pirate ● A mad scientist ● A python ● A submarine captain ● An old racehorse ● An Egyptian Queen Here are 20 ideas for creating effective characters: ● https://www.writingforward.com/storytelling/20-fun-and-inspiring-character-writing-ideas 

P.E / Fitness	Make your own obstacle course. Can you upload a video to your class? Watch the video to check out some cool obstacle course ideas. https://youtu.be/O2SWaLzWW9g Remember to KEEP IT SAFE!
Morning Tea	Go outside and take some morning tea
Quiet Reading	Choose your own Novel and READ for 15-20mins.
Maths Mentals	**Problem solving:**  Turn the fish around so it is swimming in the other direction by moving only **3** lines and the eye (no overlapping). **Tip:** *Use toothpicks or pencils to help you.* **Number of the Day:** 81 (Questions are in Google Classroom or in the printed learning packs).
Maths  	**Volume and Capacity** **Warm-Up:** Revise the cubic centimetre – create (or draw) 3D models using centicubes with a volume of 18 cubic centimetres, 26 cubic centimetre and 35 cubic centimetres. Share a photo or drawing. **Apply:** John builds a tower, that is a prism, with a volume of 160 cubic centimetres. If it has a base of 8 square centimetres, how high will his tower be? **How big is a cubic metre?** Using newspaper and masking tape, or any other materials you can find at home, construct a model of a cubic metre. Take a photo or draw your result. What dimensions did you make your cubic metre? Was yours 1m long, 1m wide and 1m tall or did you construct yours differently? **Investigations:** 1. How many people do you think could fit in your cubic metre? If you have enough family members to help you; try and take a photo of your attempt. 2. Estimate and explore how many base 10 cubes would be needed to cover the base of the cubic metre model.___ Remember they are 10cm long, 10 cm wide and 10 centimetre tall. How many layers would be needed to fill the cubic metre model? ___ 3.Estimate the volume of a room. Use rulers and measuring tapes to measure the length and width of your chosen room's floor and the height of the walls. Can you work out the volume? Record your work and draw a sketch.

	**Challenge: Swimming Pool Construction -** Decide upon the dimensions of a school swimming pool with a depth of 2 metres. How many cubic metres of dirt will need to be removed to make the pool. How much water will be needed to fill it? Use the sheet to show your pool. **Interactive:** https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Cubes/
Lunch	Have lunch /play
Science	**Scale of the Solar System** Today you will analyse whether or not you could make a **scale** model of the solar system if the sun had a diameter of 18cm. We are going to look at the sizes and distances to determine if a scale model is possible in the area you have available. Look at the two worksheets titled: *The Solar System in Our Space 1 & 2* and analyse the information in the tables. Look down the first column of the table on Worksheet 1. This tells you the real life diameter of each planet. The second column tells you the diameter (in cm) of each planet if it were shrunk down to be part of a model if the sun was 18cm in diameter. The third column gives you this measurement to two decimal places (two digits after the decimal point) and the fourth column gives you the measurements in millimetres. Worksheet 2 tells you the real life distance (in millions of km) of each planet from the sun in the first column and the relative distance of each planet from the sun in metres for your scale model. Using the information in both tables, you need to decide whether or not you could make a scale model of the solar system at your house using playdough for the sun and planets and the distances listed on worksheet 2. For example: Could you make a playdough model of Mars that is 0.6mm in diameter and 8.2m away from your model sun? And so on, including all of the planets in the Solar System. Using the Google Doc or Worksheet titled *Science Task Week 8*, give your reasons why you could or couldn't make a scale model of the solar system at your house using the measurements provided. **Be sure to use examples of the measurements in your argument.**

The Secret Society of Vegetable Venerators

Jasper stared with confusion at the slightly unnerving scene surrounding him. He had not known what to expect when he made the decision to attend the weekly meeting of The Secret Society of Vegetable Venerators. But it wasn't this. He *definitely* wasn't expecting this.

Yesterday morning, Jasper had noticed an unusual flier attached to the telegraph pole outside his house. It had caught his eye when he was taking his dog, Bernard, for his morning constitutional. Curious about the flier's contents, Jasper had wandered over for a closer look. It read:

The Secret Society of Vegetable Venerators
We have the answers you've been looking for!
Every Friday evening at 7 pm
Meet at Jack Flynn Park
The people in purple will show you the way.

We have the answers you've been looking for? The people in purple will show you the way? Jasper was intrigued. What was this 'Secret Society of Vegetable Venerators'? Come to think of it, what was a venerator? (Jasper later found out through an Internet search that a 'venerator' is someone who regards a particular thing with a deep respect or reverence). But still, that didn't make any sense at all. Who regarded vegetables with a deep respect or reverence? Jasper was convinced there had to be more to it, and he therefore committed to attending the meeting the very next evening.

Now, as he found himself in this undisputedly strange environment, Jasper was deeply regretting his decision. Members of this so-called 'society' were scattered around a chamber (the people in purple had, in fact, shown him the way – just as the flier had promised). Some were talking among themselves in hushed tones, others seemed engaged in their own private rituals... with vegetables. No one seemed bothered by the absurdity of the situation at all; in fact, everyone was acting like it was all completely normal.

Without warning, a hush fell over the chamber. After a momentary pause, an elderly gentleman stepped out from a hidden room. He was wearing the same purple robe as the others, along with a belt made out of onions, a hat made out of broccoli and a staff with a tomato on the end of it.

Well, things aren't getting any less weird yet, Jasper thought. It took all of his self-control not to burst out laughing at the sight of this unusual man.

"Faithful followers – welcome!" the elderly man bellowed. The acoustics in the chamber created a brilliant echo, adding to the eeriness of the already unsettling atmosphere. "We gather here tonight, as we always do, to celebrate the humble vegetable. Provided by Mother Earth, nourished by the sun and rain, vegetables are perfect in their deliciousness and their nutritiousness. What else could we ever want?"

"Nothing! We want for nothing else!" cheered the enthusiastic onlookers. Jasper gave a little clap, just to blend in with the crowd. The last thing he wanted was to be singled out as a

newcomer. He'd already realised he'd made a terrible mistake in coming here this evening.

"I look around this room, and what a fine group of healthy men and women I see!" the older man (who was clearly the group's leader) declared. "Your skin is glowing. Your hair is shimmering. Your eyes are sparkling. And what can you thank for that?"

"Vegetables! We thank vegetables!" parroted the crowd. Jasper was dumbfounded. He felt like he was in a dream – the chamber and its occupants seemed real enough, but nothing was making any sense at all.

Lost in his thoughts, Jasper had forgotten to feign enthusiasm. He attempted a last-minute cheer, but it was too late – Jasper had been spotted by the leader of the group. He shuddered as the vegetable-clad man made his way through the crowd toward him.

"Ahh, I see we have a new friend joining us this evening," the man declared with a smile. "You are welcome, friend. Now tell us – why do you love vegetables more than anything else in the world?"

Jasper had seconds to make a choice. He could lie or he could tell them the truth. Tonight, he opted for the truth.

"I don't love vegetables more than anything else in the world," Jasper declared confidently.

Shock waves permeated the crowd. It was clear that the Vegetable Venerators were not used to hearing an alternative opinion on this matter. They stared at Jasper strangely, as if he had suddenly morphed into a two-headed monster.

"I mean, vegetables are okay and all," Jasper continued factually. "But they don't beat cinnamon donuts, do they? Cinnamon donuts are definitely better than vegetables. And what about chocolate ice cream? Chocolate ice cream beats broccoli any day of the week. Lobster tails? Hot chips? Macaroni and cheese? Any of these delicious culinary delights ring a bell?"

Jasper was surprised to hear murmurs of agreement among the audience. Reluctantly, a young lady (who was holding tight to a carrot) raised her hand and said nervously, "I quite like pan-fried salmon, actually."

"Pan-fried salmon is amazing!" another member cried enthusiastically. "Do you know what else I love? Apple pie with shortcrust pastry and freshly whipped cream!"

"Shortcrust pastry is divine!" a third member agreed. Other members nodded their heads eagerly.

"This is an outrage!" the old man bellowed. "What about vegetables? Their nutritiousness and deliciousness?"

"We do love vegetables," a purple-robed lady replied. "But don't you think we could love other delicious things too?"

As debate ignited inside the chamber, Jasper slipped quietly away. He'd seen enough strange activity for one evening!

The next morning, as Jasper took Bernard for his morning walk, he noticed a small alteration to the flier on the telegraph pole near his house.

The Secret Society of Vegetable Venerators and Devotees of the Delicious
We have the answers you've been looking for!
Every Friday evening at 7 pm
Meet at Jack Flynn Park
The people in purple will show you the way.

By Stephanie Mulrooney

Name: _____ **Date:** _____

The Secret Society of Vegetable Venerators

1. How did Jasper first learn about The Secret Society of Vegetable Venerators?

2. What is a 'venerator', and how did Jasper discover this?

3. How did Jasper feel when he arrived at the meeting? Use evidence from the text in your answer.

4. *Without warning, a hush fell over the chamber. After a momentary pause, an elderly gentleman stepped out from a hidden room.*

   What can we infer about the leader of the society from these sentences?

5. From the leader's speech, we learn about the purpose of the society. What is it?

Name: _____ **Date:** _____

6. *Jasper had seconds to make a choice. He could lie or he could tell them the truth. Tonight, he opted for the truth.*

   Would you have made the same decision as Jasper? Give reasons for your answer.

_____

_____

_____

_____

7. Write a definition of each of these words from the story. Use a dictionary if you need help.

   a) unnerving: _____
   b) reverence: _____
   c) absurdity: _____
   d) acoustics: _____
   e) feign: _____

8. What foods does Jasper list as being better than vegetables?

_____

_____

_____

_____

9. *As debate ignited inside the chamber, Jasper slipped quietly away.*

   What might the members of the society have been debating once Jasper left?

_____

_____

_____

_____

10. Would you like to be a member of The Secret Society of Vegetable Venerators? Give reasons for your answer.

_____

_____

_____

_____

SWIMMING POOL CONSTRUCTION

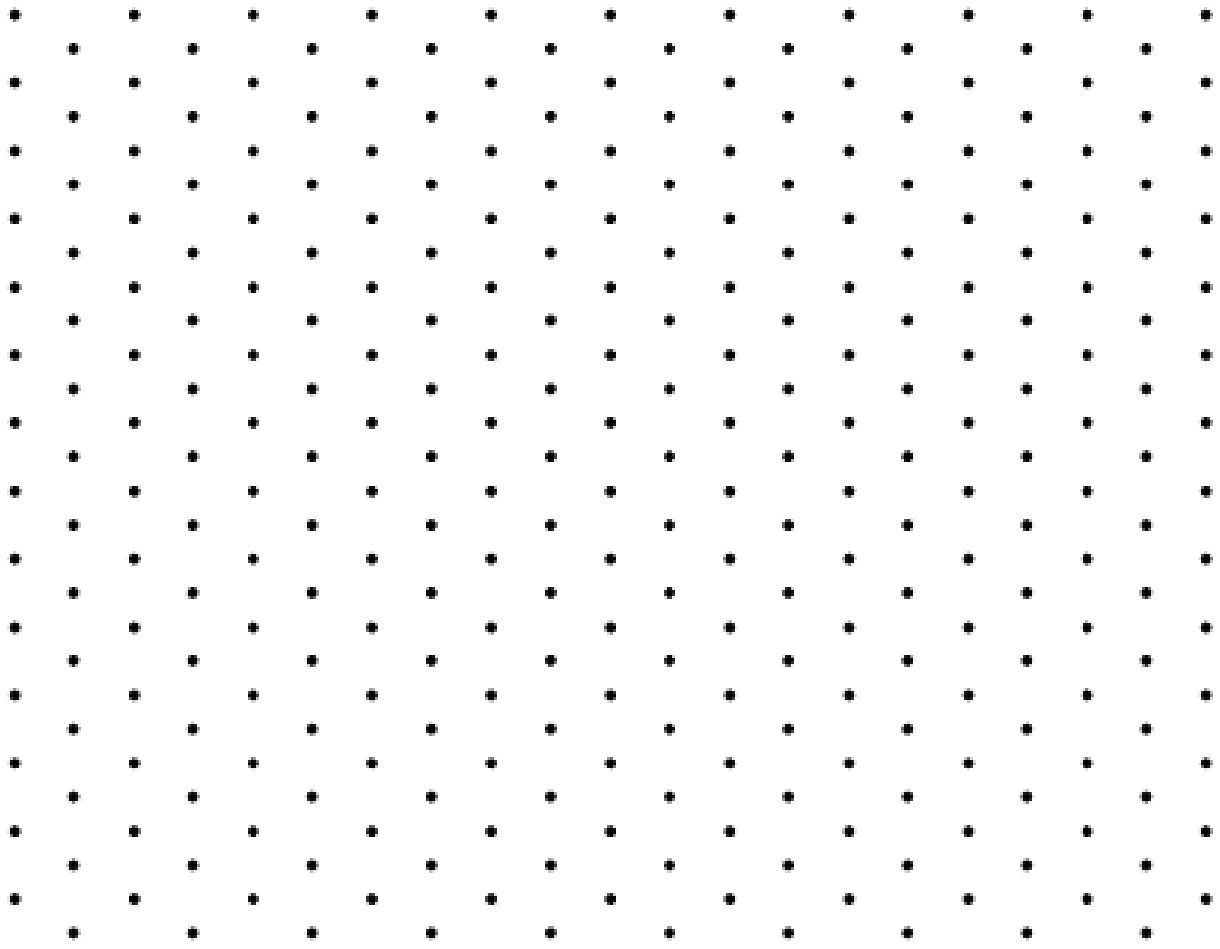
You have been nominated to decide on the volume of a swimming pool that is to be built at your school. You must decide on the dimensions of the pool (length, width, depth), however, the depth of the pool must be 2 metres.

Estimate how many cubic metres you think the swimming pool should be _____ m^3
What dimensions of the swimming pool have you decided on?

_____ x _____ x _____

Using the measurements above, what is the volume of your swimming pool? _____

Draw a diagram of your swimming pool using the isometric dots below:



The Solar System in Our Space

1. Miss Celestial wants to use a model of the sun that is 18cm in diameter. The real sun has a diameter of 1 400 000 km. Using these two numbers and her brilliant knowledge of mathematics, Miss Celestial now knows she can find the size that her model planets need to be (in cm), by multiplying the real diameter by 0.0000129.

Calculate the diameters of the planets for the model by completing the table below. Record the cm measurements to two decimal places.

Planet	Diameter of planet (km)	Equation = Diameter of planet x 0.0000129	Diameter of model planet (cm)	Diameter of model planet (mm)
Mercury	4 879	4 879 x 0.0000129	0.06	0.6
Venus	12 104	12 104 x 0.0000129	0.15	1.5
Earth	12 756	12 756 x 0.0000129	0.16	1.6
Mars	6 792	6 792 x 0.0000129	0.08	0.8
Jupiter	142 984	142 984 x 0.0000129	1.84	18.4
Saturn	120 536	120 536 x 0.0000129	1.55	15.5
Uranus	51 118	51 118 x 0.0000129	0.65	6.5
Neptune	49 528	49 528 x 0.0000129	0.63	6.3

2. Miss Celestial discovered that to calculate the distances that the model planets will need to be from her model sun (in metres), all she needs to do is divide the number of the real distance, in millions of kilometres, by 7.8. For example, if a planet was 50 million km from the sun, the equation would be 50 ÷ 7.8. This planet would have to be 6.41 m from the model sun.

Calculate the relative distances of the planets from the sun for the model by completing the table below. Round up/down the metre measurements to two decimal places.

Planet	Average distance from the sun (millions of km)	Equation = Distance from the sun (millions of km) ÷ 7.8	Distance from sun for model planet (m)
Mercury	57	57 ÷ 7.8	7.31
Venus	108	108 ÷ 7.8	13.84
Earth	150	150 ÷ 7.8	19.23
Mars	227	227 ÷ 7.8	29.10
Jupiter	778	778 ÷ 7.8	99.74
Saturn	1 433	1 433 ÷ 7.8	183.71
Uranus	2 872	2 872 ÷ 7.8	368.21
Neptune	4 495	4 495 ÷ 7.8	576.28

Science Task Week 8

Write a statement detailing whether or not it is possible to make a scale model of the solar system at your house (including the backyard, house yard or in a paddock). Make general statements about the data (the information in the tables on Worksheets 1 and 2). Suggest whether making the model sun bigger or smaller would be helpful.
TIP: Your answers will vary from your classmates, depending on where you live. Those of you who live in town have much smaller spaces to work in than those who live out of town on property. Consider this when you write your statement.

My statement:

Week 8

Thursday 2nd September

Daily Check-In and Education Live Info	You will need to Log-In to your Google Classroom and Check-In with your teacher. Answer the morning question. Remember to check your emails to see any feedback given by your teachers. 10am - Education Live: Type in https://education.nsw.gov.au/ - then search Education Live
Spelling	Write out or type into your Google Doc your Week 8 List. Complete task seven and eight.
Library	Listen to Mrs Vitnell read a chapter from 'Worse Things' by Sally Murphy and follow the instructions for writing a Definition Poem on the attached Google Docs. Here is the link for viewing the story. https://drive.google.com/file/d/1jHOE_arRAMtHeWwE9Qfzl4Ec6M2_jaOQ/view?usp=sharing
Fruit break	*Have some crunch and sip and read a few chapters of a novel! Do this outside and enjoy the sunshine*
Writing	Daily Journal Writing TOP TEN THURSDAY…….Write your top ten goals for the remainder of 2021
P.E / Fitness	Click on the links below. I bet you can't stand still.! https://www.gonoodle.com/videos/eYxdbY/im-still-standing https://www.gonoodle.com/videos/GYpoRw/jump If you cannot access the links, put on your favourite music and dance up a storm!
Morning Tea	Go outside and take some morning tea
Quiet Reading	Choose your own Novel and READ for 15-20mins.
Maths Mentals	**Problem of the Day:** A snail is at the bottom of a 10 metre well. Every day that snail is able to climb up 4 metres, then immediately slide back down 3 metres. How many days does it take for the snail to get out of the well? **Number of the Day:** 750 (Questions are on Google Classroom or in the printed learning packs).

Maths

Volume and Capacity

Warm-up: Brainstorm objects you know where the volume needs to be measured in cubic metres. Collect or draw some pictures.

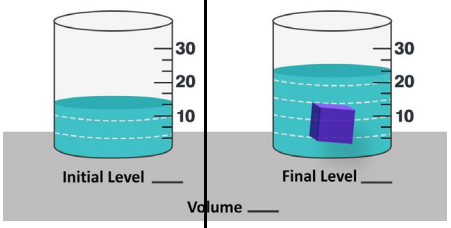
How big is a cubic metre? http://www.scootle.edu.au/ec/viewing/L163/index.html

Object sort: sort objects into two groups; those objects that are measured in cm3 and those, which are measured in m3. List at least 6 objects for each measurement unit.

Volume and Displacement:

1. Fill up a bowl with water and place it in a larger container. Select several smaller objects that will submerge in your bowl of water. Place each object one at a time into the bowl of water. Watch what happens.
2. Use a container with measurements up the side. Half fill with water, record the starting water level. Select a small object, one you know the volume of. Place in the water and record the new water level

If you can collect the water displaced each time and measure it in ml. Record in a table.

Draw object and note volume	Starting water level	Ending water level	Difference in water level
			

Is there any relationship between the mL(capacity) and cubic centimetre (volume)?

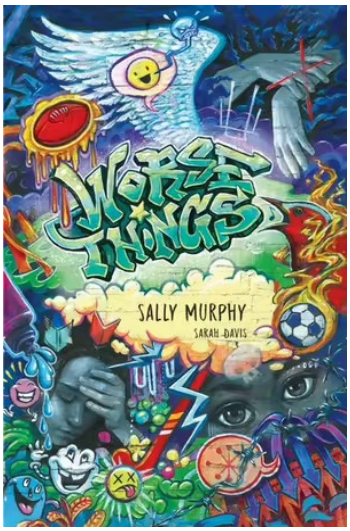
Lunch

Have lunch /play

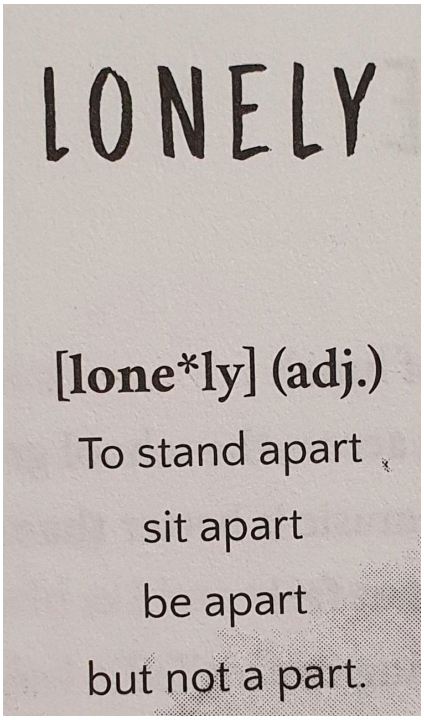
Creative Arts

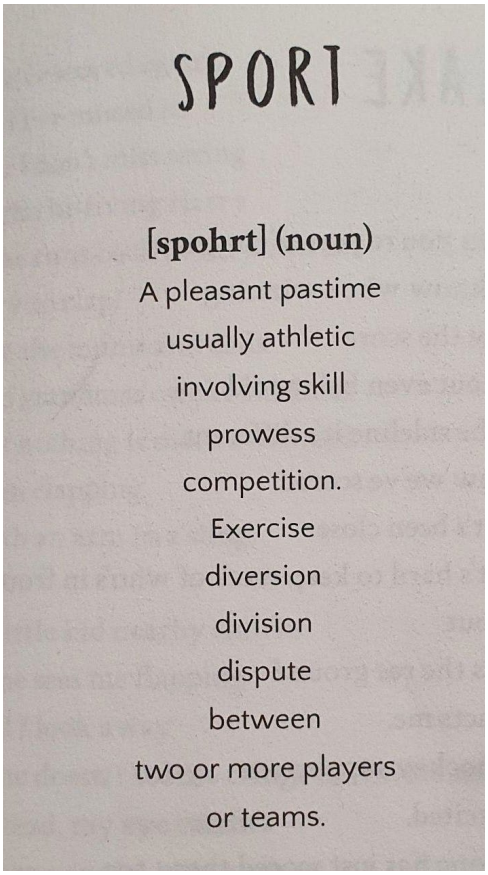
Visual Arts : Everyday Doodles

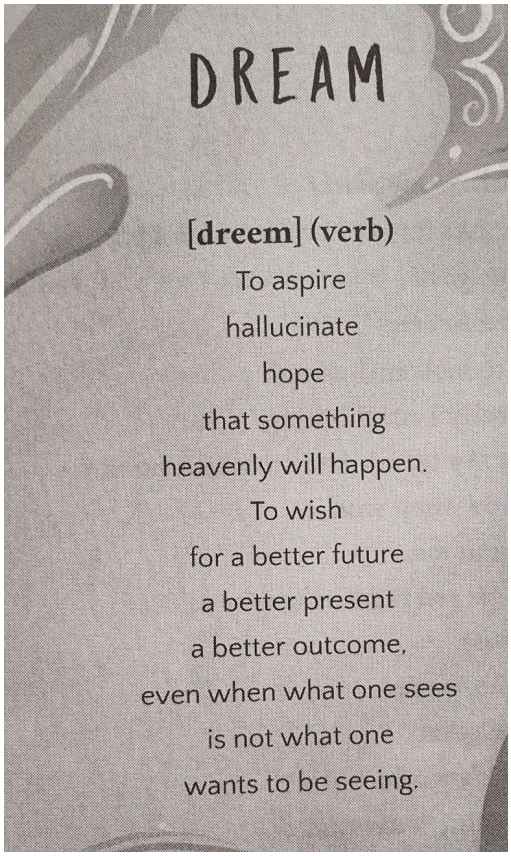
Gather about 10 small objects that you have access to: they can have any function. Look at them differently and add doodles to create original artworks. Check out the images provided for inspiration. Take a photo and upload it to your teacher! Have fun!



Worse Things by Sally Murphy tells the story of Blake, Jolene and Ahmed - three children living very different lives, but all connected by themes of identity, belonging and sport. In this verse novel, the author scatters 14 poems, in the form of dictionary entries, to highlight key elements of the story. (See examples below)





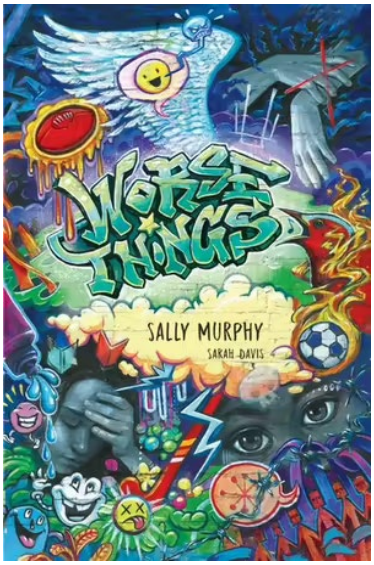


Using these examples, choose a word from the following list and create your own definition poem. Poems should include a title (chosen word), the word meaning from the Dictionary, and then 4-5 synonyms using a Thesaurus if you have one, otherwise find the meanings and synonyms online.

Words from the book:

- Broken
- Lonely (see eg.)
- Alone
- Dream (see eg.)
- Togetherness
- Watch
- Worry
- Words
- Nice

- Friend
- Belong
- Sport (see eg.)
- Umpire
- Death



Definition Poem

Write your poem here. You may illustrate it or add pictures if you wish. Have fun with it!

Visual Art Activity – Week 8

EVERYDAY OBJECT DOODLING:

Be artistic and creative : think of everyday objects not as what they ARE, but what they COULD BE.

Find whatever resources you have available to them at home – anything is possible.

Arrange your objects on a page – about 4 -6 on a page should give you enough space. Explore textures and colours, use different pencils. There is so much stylistic freedom in doodling.

Once you are finished, take a picture and upload it to your teacher!

Recognise any objects?

How creative can you be?

Don't forget to clean up.

TAKE THAT PHOTO!

Week 8

Friday 3rd September

Daily Check-In and Education Live Info	You will need to Log-In to your Google Classroom and Check-In with your teacher. Answer the morning question. Remember to check your emails to see any feedback given by your teachers. 10am - Education Live: Type in https://education.nsw.gov.au/ - then search Education Live
Spelling	Have an adult or sibling test you on your words for this week. This can be done in your workbook. Email through your result or a photo!
Reading /Literacy	**Online**: Reading Theory: 20 minutes **Offline**: Comprehension Task 3 - *The Giant Squid*
Fruit break	*Have some crunch and sip and read a few chapters of a novel! Do this outside and enjoy the sunshine*
Writing	Daily Journal Writing FLASHBACK FRIDAY…….Write about the BEST holiday you've ever been on!
P.E / Fitness	High intensity workout https://www.gonoodle.com/videos/Zwmo5X/blast-off If you cannot get the link, take it outside and kick/bounce a ball, jump on the trampoline or see how many laps you can run around your backyard.
Morning Tea	Go outside and take some morning tea
Quiet Reading	Choose your own Novel and READ for 15-20mins.

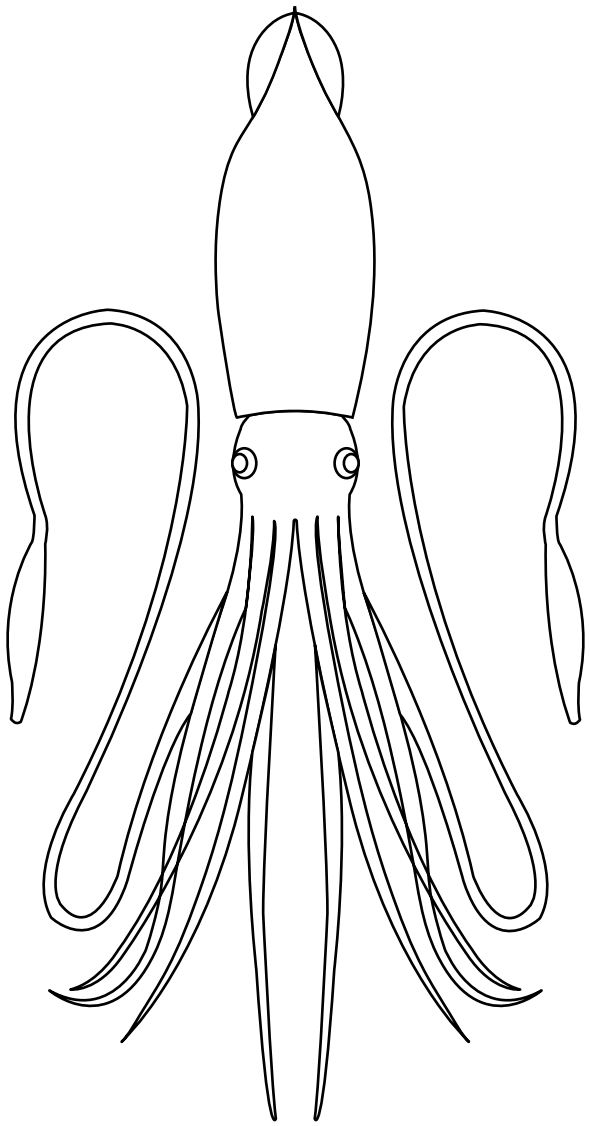
Maths Mentals	Problem of the Day: 100 aliens attended an inter-species meeting on Mars. 76 of them needed breathing apparatus, 52 needed shaded goggles, but 23 aliens didn't need either. How many aliens needed breathing apparatus **and** goggles.
Maths 	**Volume and Capacity** **Gorilla Fort:** I made a fort for my pet gorilla by connecting two boxes. The first box is 6 metres long, 9 metres wide and 9 metres high. The second box is 10 metres long, 8 metres wide and 10 metres high. How many cubic metres of space does my gorilla have to play in her fort? Why don't you build a fort to play in and work out the volume. You could use boxes or any other appropriate materials you have at home (chairs, a table, blankets ….) Draw a picture or send me a photo of your fort . Volume _____ **Worksheet:** converting units **Login** to StudyLadder, Prodigy or Mangahigh to support your math learning
Lunch	Have lunch /play
Sport	Go OUTSIDE - kick a ball, go for a run!

GIANT SQUID

Lurking in the deep, dark depths of the ocean, lives a creature that can either fascinate you or send chills down your spine! Once thought to be a myth, the existence of giant squid has recently been proven, with researchers studying and capturing these intriguing creatures on film. As recently as 2004, Japanese researchers took the first images of a live giant squid. In 2012, a live adult was filmed in its natural habitat off the coast of Japan. Before that, the only hard evidence of the existence of giant squid was the remains of dead squid that had been washed ashore.

The giant squid is the largest of all known squid and the largest invertebrate on the planet. The giant squid can grow to a tremendous size, with some being estimated to measure 13 metres for females and 10 metres for males. Although some people have claimed to have sighted giant squid measuring up to 20 metres, these claims have not been scientifically documented.

A giant squid has a mantle (torso), eight arms and two longer tentacles which are lined with hundreds of suction cups. These suction cups are lined with sharp, finely serrated rings that attach the squid to its prey. Giant squid also have beaks, like the beak found on a parrot. It is incredibly hard and is thought to be used to dismember and maybe even paralyse its prey, although this is just speculation (as no one has ever seen a giant squid feeding). Interestingly, a giant squid's eyes are in some cases as big as a basketball. Their large eyes help them to see in the dark depths of the ocean.



The only predator to giant squid is the sperm whales. Although the giant squid is prey for sperm whales, the giant squid does not go down without a fight! Remains of giant squid have been found inside the stomachs of sperm whales, particularly the beaks of the giant squid, as they do not get broken down. Sucker marks and bite marks from the giant squid are often found on sperm whales, leading scientists to believe that the battles between the two species are particularly vicious.

Giant squid live in very deep, cold water, making it difficult for scientists and divers to access them. Although they are large creatures that are thought to inhabit all oceans of the world, they are very difficult to find and to this day remain elusive.

Name: _____ Date: _____

Comprehension Questions

1) When and where was the first live giant squid caught on film?

2) Why is so much still unknown about giant squid?

3) *'Although they are large creatures that are thought to inhabit all oceans of the world, they are very difficult to find and to this day remain elusive.'* What does the word 'elusive' mean here?

4) *'…although this is just speculation as no one has ever seen a giant squid feeding.'* What does the word 'speculation' mean here? Provide another word that could be used to replace speculation.

Name: _____ Date: _____

Comprehension Questions

5) What could be some other names for this text?

_____

_____

_____

_____

6) Write the main idea of each paragraph.

Paragraph 1:	
Paragraph 2:	
Paragraph 3:	
Paragraph 4:	
Paragraph 5:	

6) Why might some people be afraid of giant squid? What do you think about them?

_____

_____

_____

_____

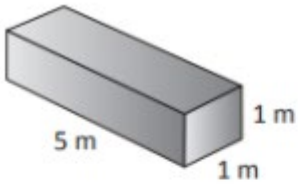
Volume and Capacity - Review

What is volume?

What is capacity?

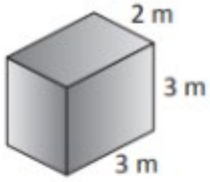
Using the formula l × w × h = v, calculate the volume of these boxes:

a



☐ × ☐ × ☐ = ☐

b



☐ × ☐ × ☐ = ☐

Which unit would you use for measuring the capacity of each of these objects?
Write L for litres or mL for millilitres:

a 2_____ b 5_____ c 1_____ d 300____ e 4_____ f 250____

Explain what would happen to the level of water in the jug if this centicube model is placed inside:

_____

_____

Name: _____ Date: _____

Units of Measurement Connectors

Cut each of the measurement cards out and stick them next to the correct conversion in your book. You will need to lay the pieces in a pattern in your book, like dominoes, to get them to fit on your page.

1 km	4 litres	10 years	2.5 km
0.5 m	144 hrs	3 ½ mins	FINISH
0.1 kg	0.35 litres	1500 g	5.5 cm
55 mm	1 decade	START	1000 m
350 mL	210 secs	2.75 L	50 cm
4000 mL	1.5 kg	250 000 cm	4.5 hrs
270 mins	2750 mL	6 days	100 g