

Raymond Terrace Public School



Stage 3 – At Home Learning Unit – Term 4 Week 1

Tuesdav 5th October 2021

Reading – Comprehension-Inferring: This week, we are going to work on the comprehension strategy of "inferring". View the clip to learn more about how we use our world knowledge and clues from the text to draw inferences about things that aren't directly stated in a text. https://www.youtube.com/watch?v=ZE4jOLDLdOQ Now watch the short animated clip "The Present" by Jacob Frey. https://www.youtube.com/watch?v=C nJJHaNmnY This text has very little dialogue, so you will need to draw inferences from the character's actions and the events you are shown to answer the questions below. 1. The boy is obsessed with video games. Give 3 ways the composer shows us this. 2. His feelings towards the dog change a few times throughout the text. Give 3 examples of his different feelings AND how they are shown. 3. Explain WHY you think he had mixed feelings about the puppy and WHY he wanted to spend time inside. Use clues from the ending of the clip. Morning 4. What do you think the composer's message is? Handwriting – Horizontal Joins Complete the handwriting worksheet attached to the pack, focusing on horizontal joins. Notice the dip in the example. Writing – We are going to be focusing on persuasive writing techniques for the first two weeks of term. Step 1- Plan For Success! Developing strong arguments is an important skill for creating effective persuasive writing. Your first idea isn't usually your best idea! Task: For the following "Would you rather?" statements, brainstorm 4 arguments for each choice. Which choice has the strongest arguments? Write down the option you would choose & highlight the 2 strongest arguments for that choice. Would rather have a snake or a rat for a pet? Would you rather have a pool or a trampoline? Would you rather live 100 years in the past or 100 years in the future? Success Criteria: I have 4 arguments for each option. I have chosen my opinion for each question. I have highlighted my 2 strongest arguments for that opinion. Stretch and Recess Break Mathematics: Newcastle Permanent Math Competition Practice For the first time in history, the Newcastle Permanent Maths Competition has gone Middle online. Tomorrow for your Mathematics activity, you will compete in the competition online using a link provided on Google Classroom. To get be ready, today you will practice using last year's competition paper. The 35 questions test booklet is on the pages following this one. It is your choice how far you push yourself past Section A as the test gets harder as you go. If you are working on Google Classroom, please turn in the answers to Section A only. Lunch Break Live Magic Show for Raymond Terrace Public School! Today, you will be treated to a magic show by magician Joel Howlett from JD's World of Magic! The amazing Mrs Wiffen has organised this live magic show for Afternoon all of RTPS! To watch the magic show, you will need to use the Zoom link that has been shared on Google Classroom and ClassDojo. The show begins at 2:00pm and goes for about half an hour, so make sure you are ready ahead of time and the popcorn is warm!

There is a Wellbeing Matrix on one of the following pages that has many activities you could do to fill in the extra time before or after the show.



Date ___ /_ 🛠 Revision – Horizontal joins Use a horizontal join when joining from o, r, v, DRO w and x. These horizontal joins have a small dip. You can also join horizontally from the crossbar of f. This horizontal join is straight: σ σm on σp σ $\overline{0}\overline{v}$ OWσυ OX rm П ш rn ru. rv wn WY XI action avid toud exi rupple wring storm Fretful fitness furry frill fuzzy---friend tringe Thunderstorms be frighteningly loud. can. Underline your three best horizontal joins. ASSESSMEN









NEWCASTLE PERMANENT PRIMARY SCHOOL MATHEMATICS COMPETITION Wednesday 19 August 2020

Time allowed: 45 minutes

Instructions:

- 1. When asked by your teacher, open this booklet and check that there are 35 questions.
- 2. Calculators, electronic devices, rulers, geometrical instruments or other aids are <u>NOT</u> permitted.
- 3. <u>NO</u> working is to be shown on your answer sheet. Working paper will be supplied by your teacher if required.
- 4. All answers <u>MUST</u> be recorded in <u>PENCIL</u> on your answer sheet (a B pencil or darker). Questions 1 to 33 are multiple choice. For questions 34 and 35 colour in the ovals to represent your answer.
- 5. When your teacher gives the signal, begin working on the problems. You have 45 minutes working time.
- 6. Marks will <u>NOT</u> be deducted for incorrect answers.
- 7. Make sure that you complete the sections on the answer sheet

for your name, gender, division, school name and five digit Mathematics Competition Code.

SECTION A

Each correct answer in this section is worth 2 marks.

1.	What is the difference between 710 and 157?								
	(A)	553	(B)	563	(C)	653	(D)	867	
2.	How	many lett	ers of	f the w	ord BATH	H have 2	lines of	symme	try?
(A)		0	(B)	1	(C)	2	(D)	3	
3.	The	number	of mi	nutes i	in 210 se	conds i	s:		
	(A)	2.1	(B)	3.1	(C)	3.3	(D)	3.5	
4.	3 + 4	× 2 =							
	(A)	9	(B)	11	(C)	14	(D)	24	
5.	A qu	adrilateral	l with	only o	one pair of	parallel	sides is	a:	
(C)	(A)	square kite			(B) (D)	paralle trapezi	elogram ium		
6.	A ma	ass of 2 ki	logra	ms and	80 grams	can be	written a	s:	
(C)	(A)	280 gram 2 080 gra	ns ams		(B) (D)	2 008 2 800	grams grams		
7.	The	product of	2, 3	and 5 i	s:				
(A)		235	(B)	30	(C)	25	(D)	10	
8.	Whie	ch of the f	ollow	ing is o	closest to	3.6?			
	(A)	3.06	(B)	$3\frac{1}{2}$	(C)	3.69	(D)	3.7	
9.	Whe	n 3 138 is	divid	led by :	5 the rema	ainder is:			
(A)		0 (B))	1	(C)	2 (D)	3	

- 10. A triangle has one angle of 70° and another of 15° . The triangle is:
- (A) obtuse angled(B) acute angled(C) isosceles(D) right angled

11.11.



Which statement is correct?

- (A) The water tower is south-east of the bridge
- (B) The water tower is south-west of the bridge
- (C) The bridge is east of the water tower
- (D) The bridge is north-east of the water tower
- 12. How many of the first 50 positive integers are square numbers?
 - (A) 4 (B) 6 (C) 7 (D) 8
- 13. What is the date 10 days after Tuesday 25th June?
 - (A) Friday 5th July (B) Friday 6th July
- (C) Thursday 4th July (D) Thursday 5th July
- 14. Which of the following solids has 4 triangular faces and 1 other face?
- (A) triangular prism(B) triangular pyramid(C) square prism(D) square pyramid

15. 50 boys and 50 girls were asked if they liked or disliked cricket, swimming and netball. The results are shown in the table below.

	Boys		Girls	
	Like	Dislike	Like	Dislike
cricket (C)	40	10	20	30
swimming (S)	30	20	35	15
netball (N)	25	25	30	20

Which of the following lists is in order of overall popularity?

 $(A)\quad C,\,S,\,N\quad (B)\quad S,\,N,\,C\quad (C)\quad S,\,C,\,N\quad (D)\,\,N,\,S,\,C$

SECTION B

Each correct answer in this section is worth 3 marks.

16. Fiona's new TV was advertised at a price of \$800 but she was given a 25% discount. How much did she pay for the TV? (A)

\$775 (B) \$600 (C) \$400 (D) \$200

17. In a game a player rolls 5 dice and obtains a score by **adding any** even numbers but subtracting any odd numbers.

What would the score be if the dice showed 2, 5, 1, 4, 5?

- (A) -5 (B) -3 (C) 1 (D) 17
- 18. Which of the following numbers has 25 as a factor?
- (A) 1805 (B) 1815 (C) 1835 (D) 1875
- 19. Sylvie can run 100 metres in 14.7 seconds. Ella is 1.5 seconds slower than Sylvie, while Tania is 2.1 seconds faster than Ella. How many seconds does Tania take to run 100 metres?
- (A) 18.3 (B) 15.3 (C) 14.1 (D) 11.1
- 20. The lowest common multiple of 6 and 8 is:
- (A) 48 (B) 24 (C) 12 (D) 2

- 21. Samantha is paid \$6.00 per hour for baby-sitting, with the time rounded to the nearest half hour. How much does she receive for baby-sitting from 4.50 pm to 9.10 pm?
- (A) \$24 (B) \$26 (C) \$27 (D) \$30
- 22. The diagram shows 3 squares and an equilateral triangle meeting at a common vertex. What is the size of the shaded angle?



(A)	20°	(B) 30°	(C) 40°	(D) 45°
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23. James bought 3 shirts for \$8 each and 2 caps for \$10 each. He paid with a \$50 note. Which of the following correctly shows the amount of change that he received?

(A) $50 - 3 \times 8 + 2 \times 10$	(B)	$50 - (3 \times 8 - 2 \times 10)$
(C) $50 - 3 \times (8 + 2) \times 10$	(D)	$50 - (3 \times 8 + 2 \times 10)$

24. The teacher made a number pattern by thinking of a starting number then using the rule "double the previous number and add 1". The 4th number was 87. The starting number was:

(A)	between 0 and 4	(B) between 5 and 8
(C)	between 9 and 12	(D) greater than 12

- 25. $2\frac{3}{4} + 1\frac{1}{2} =$
 - (A) $4\frac{1}{4}$ (B) $3\frac{1}{6}$ (C) $3\frac{1}{4}$ (D) $1\frac{1}{4}$

SECTION C

Each correct answer in this section is worth 4 marks.

26. A farm has the shape of two rectangles joined as shown in the diagram, which is not drawn to scale. The diagram also shows the lengths, in metres, of some of the sides of the farm.



The perimeter of the farm, in kilometres, is:

- (A) 2 km (B) 2.4 km (C) 4 km (D) 4.8 km
- 27. After Grandma picked the apricots from her tree, she used half of them to make apricot jam.

The next day she used one quarter of the remaining apricots to make an apricot tart.

After the tart was made there were 6 apricots remaining. How many apricots did Grandma pick from the tree?

- (A) 24 (B) 16 (C) 12 (D) 8
- 28. Ravi has 50 cards which are numbered from 1 to 50. He shuffles the cards then turns the top card over so that its number is displayed. What is the probability that the number displayed is not divisible by 5 and is also not divisible by 8 ?

(A)
$$\frac{3}{10}$$
 (B) $\frac{8}{25}$ (C) $\frac{17}{25}$ (D) $\frac{7}{10}$

- 29. A piece of wood is a rectangular prism with volume of 120 cm³. It is 10 cm long and 3 cm wide. What is the total area, in cm², of all faces of the wood?
- (A) 3600 (B) 164 (C) 133 (D) 82
- 30. In 1872, the Overland Telegraph Line between Darwin and Adelaide was completed. It has been described as 'the greatest engineering feat carried out in 19th century Australia'.

It took almost 2 years to complete and covered approximately 3 200 kilometres of the harshest land in Australia.

It used approximately 36 000 telegraph poles to support the wireabove the ground.

Ben said 'they averaged more than 100 poles per day'.

Ella said 'the average distance between each pair of poles is morethan 100 metres'.

Who was correct?

	(A)	both wrong	(B)	Ben correct, Ella wrong
(C)		Ella correct, Ben wrong	(D)	both correct

31. The times for Ashlee's last 3 kayak paddles were 3 hours 45 minutes, 2 hours 50 minutes and 3 hours 40 minutes. What is the average time of her last 3 paddles?

(A) 2 hours 45 minutes (B) 3	hours 5 minutes
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- (C) 3 hours 25 minutes (D) 3 hours 45 minutes
- 32. A gardener needs to have 7 tonnes of soil delivered to her home. The landscape supply shop agrees to deliver the soil using their truck, which can carry 1.25 tonnes each trip.

The distance from the shop to the home is 6 kilometres.

It costs \$3.50 per kilometre for each **return** trip of the truck.How much will it cost to move the soil?

(A) \$126 (B) \$210 (C) \$216 (D) \$252 33. 34. The sum of the digits of the number 2 001 is 3.(2+0+0+1=3).

How many numbers are there, between 1 000 and 10 000, which have a digit sum of 3?

(A) 10 (B) 9 (C) 7 (D) 3

Questions 34 and 35 are not multiple choice.

For each of them, colour in the ovals to represent your answer in the space provided on the Answer Sheet.

35. What is the largest number, with 45 as a factor, which can be made using any 4 of the digits 1, 2, 3, 4, 5, 6, 7, 8, 9 without repeating anydigit?

36. Each letter of the alphabet is given a different numerical value, always being a positive whole number. A value can then be calculated for any word by multiplying the value of its letters.
For example, if the letter A was given the value 6 and D was 5, then the word ADD would have a value of 150 (because 6×5×5 = 150).
It is known that POPE has a value of 18 and PROPER has a value of 18
and PROPER has a value of 18
What is the value of ROPE ?

THERE ARE NO MORE QUESTIONS.



A matrix to help students and families focus on their wellbeing with a variety of 'unplugged' activities. A great complimentary matrix to the <u>'R U OK? Day' Matrix</u>.

Sit under your favourite tree and read.	Find a penpal (a family member, friend or neighbour). Draw them a special picture and send it in the mail.	Learn a new skill or hobby like origami, knitting, scarp booking, photography, gardening or magic.	Go for a bush walk. Take a special journal and write or draw some special things you noticed.
Make your own healthy treat. This could be trail mix, a muesli bar, muffin or slice.	Write some special affirmations for yourself on your mirror or next to your bed to read each morning and night.	Make a board game using recycled materials based on your favourite book or television show.	Transform a cardboard box into a time machine. Draw pictures of places you visit on your adventures.
Make a pillow fort and have an adventure with your siblings or teddies!	Design and make a friendship bracelet. Consider using recycled or natural materials.	Find a quiet spot to lay on the grass and look at the clouds. What pictures or patterns do you see?	Organise a special sit down meal with your family
Listen to your favourite songs. Try and paint or draw how the music makes you feel.	Write a poem about how you are feeling and recite it to someone special.	Make a gratitude jar. Add in all the family, friends and joys of nature that you are grateful for.	Create some new yoga moves. Use animals or plants as inspiration.

This activity can be freely used by educators or families. Resource created by Empowering Learning Together

EMPOWERING LEARNING TOGETHER

	Wednesday 6 th October 2021
	Reading – Comprehension-Inferring: We are working on the comprehension strategy of "inferring". View the clip to learn more about how we use our world knowledge and clues from the text to draw inferences about things that aren't directly stated in a text. https://www.youtube.com/watch?v=ZE4jOLDLdOQ House for Sale Real estate agents use clever tricks to persuade people to view and buy homes. One of those tricks is using positive adjectives to describe the features. <u>Task 1</u> - View the "House for Sale" page attached. Draw inferences from the description to draw the house. Send a photo of your drawing on Google Classroom or Class Dojo. <u>Task 2</u> - Write your inference about the meaning of these noun groups: <i>raw natural materials</i> <i>grass coloured wood</i> <i>golden oblong handle</i> <i>dark entry</i> <i>well lit side rooms</i> <i>potted garden</i> <i>natural heating- needs some work</i>
	 Uncovered windows Spolling Unit 10 & 11 – Using 'ion'/shun (og: 'tion' and 'sion') Part A
Morning	 Spelling Unit 10 & 11 – <u>Using 'ion'/shun (eg: 'tion' and 'sion') Part A</u> Morphological: When adding 'ion'/ (shun) as 'tion' or 'sion' to a base word, it depends on the proceeding base word ending. When "tion" is at the end of a word, it makes its own syllable eg: mo/tion, ac/tion, lo/tion, di/ges/tion, prep/ar/a/tion, sub/trac/tion <u>Task: Complete the attached "Using 'ion'/shun (eg: 'tion' and 'sion')</u> Spelling Worksheet 1 Writing – Persuasive: <u>Positive Noun Groups</u> Think about the use of positive adjectives to describe features of the home in today's reading task "<i>House for Sale</i>". Positive noun groups and descriptive language are an important skill for being persuasive. <u>Task</u>- You are a real estate agent. Write a one paragraph description that would persuade people to view and buy this house. <u>Plan for success</u> by brainstorming positive adjectives to descriptive noun groups (<i>adjective, adjective noun</i>). Success Criteria: I have a least 4 positive noun groups. My paragraph is at least 5 sentences.
	All of my sentence punctuation is correct.
	Thay use other persuasive techniques. Stretch and Recess Break
	Mathematics: Newcastle Permanent Math Competition
Middle	The Newcastle Permanent Maths Competition has been running since 1981! For the first time, the competition will be run online due to students learning from home. The competition is a test consisting of 35 maths problem solving questions. You will be given 45 minutes to complete the test. The link for the test is on your class Google Classroom page. If you are unable to access the internet or a device today, then the test can be done on Thursday or Friday this week. If you cannot access it, then finish off the practice test from yesterday or do an activity from the Wellbeing Matrix.

	Lunch Break					
	Science & Technology – Our Term 4 Science T "Energy" Different Types of Energy Focus Question: What are the different types of energy do they change? Part 1. Read the "Different Types of Energy" book attached. Write a summary of what the different type energy mean and an example of each.	y, and how	THE DIFFERENT TYPES OF ENERGY			
Afternoon	 Part 2. Investigating energy transformations Look at the Investigating energy transformation three items from the first list and one item from the at them closely (play with them if they are toys) an they work. a) What kind of energy do they need to start working? (Think about: Do they need to be wound up, or lifted up, or switched on?) Write it down in the 'Initial Energy' column in the table below. b) What kind (or kinds) of energy is the Initial Energy turned into? (Think about: Does it move? Make noise? Get hot?) Write it down in the 'Final Energy' column. 	<section-header><form></form></section-header>	<page-header></page-header>			

HOUSE FOR SALE!

Carefully read the description of the property features below. Using only the information given, sketch the exterior of the front of the house in the space available. Read through the information carefully as not all of it will be needed to sketch your house.

Property Features

If it's a home with character you're after, this structure made from raw natural materials, topped with a canopy of organic timber, is for you. The 120 square metre cottage located in rural Richmond welcomes you with an entry barred by grass coloured wood with golden oblong handles. The dark entry to the home branches off into well lit inside rooms. This home is naturally heated. It currently needs some work, but has the potential for fire-side relaxation. A simple potted garden aside the matted entry leaves a lasting impression of quaint prettiness. With the wooded view and closest neighbours a long way off, you'll love the view from uncovered windows all day and night.

Contact the realtor for further information.



Spelling Worksheet 1

Spelling Rule:	Using 'tid	on' and	'sion'	. @
* Use "tion" when the base word ends (Drop the "e"/"te" before adding -tio	in a "t"/"te". n)	direct	= direc tion	≤ 11
* If the base word ends in "ss" retain	the "ss" and add "ion"	progre ss	= progressie	on
* Use "sion" when the base word ends (Drop the "d"/"de" or "s"/"se" befor	in "d"/"de" or "s"/"s e adding "sion")	e". ten se	= ten sion	

Add the correct suffix spelling to these base words:

exclude	eg: exclusion	edit	divide	
revise		act	discuss	
confess		impress	attract	
direct		decide	complete	

Adding a suffix to a base word changes the meaning of that word. A common suffix is ion. The suffix 'ion' means: 'the result of'. Fill in the missing gaps:

suffix	base word	new word	meaning
eg: tion	act	action	the result of acting
	attract		
tion			a set of steps to follow
		direction	
	relate		to see things in comparable ways
		question	
	sect		a part of something

Unscramble the "ion" words:

1. noiissdce2. cntodirie	 Find the Words	rd So he wor	earc ds from	n the I	Sma ist in t vertic	he wo	on rd searc liagonal.	h below.
3. ttnoisa								
4. tcusnoi	 S	t	а	t	i	0	n	
5. noitca	d	е	а	t	а	u	С	station
6. noitseug	 S	u	С	t	i	0	n	section
7 ulcnoisxe	 S	w	t	t	р	r	m	mention
	 У	I	i	С	i	W	V	suction
8. ssiipmroen	q	r	0	q	u	0	m	
9. nocssefnoi	m	е	n	t	i	0	n	
10. itnnao								

How many words can you make using the letters in:

EDUCATION

Science & Technology: Different Types of Energy

Focus Question: What are the different types of energy, and how do they change?

Part 1. Read the "Different Types of Energy" pages that follow. Write a summary of what the different types of energy mean and an example of each.



	What it is	Example	
What is energy?			
Kinetic energy			
Electrical energy			
Sound energy			
Heat energy			
Light energy			
Potential energy			
You need energy too			

Part 2. Investigating energy transformations

Look at the Investigating energy transformations page: Choose three items from the first list and one item from the second list. Look at them closely (play with them if they are toys) and think about how they work.

- a) What kind of energy do they need to start working? (Think about: Do they need to be wound up, or lifted up, or switched on?) Write it down in the 'Initial Energy' column in the table below.
- b) What kind (or kinds) of energy is the Initial Energy turned into? (Think about: Does it move? Make noise? Get hot?) Write it down in the 'Final Energy' column



Object	Initial Energy	Final energy
	How does it start working?	What does it then do?
e.g. light bulb	electrical	Light and heat



What is energy?

Energy is the ability to do work. It is what makes things happen. Energy is not matter, or 'things'. You can not fill a box with it or weigh it. Energy is what makes things move or change. There are different types of energy, including heat, light and sound.

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Electrical energy

Electrical energy is the movement of tiny particles, called electrons.

When electrons move through a material such as a metal wire, an electric current is produced.

Lightning is a natural form of electrical energy.

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Sound energy

Sound energy is the energy of particles that are vibrating. A moving particle bumps the particle next to it and so on. The vibrating particles travel until they reach our ears and we hear them as sound. Sound energy can travel through solids, liquids and gases (such as air).



Heat energy

All substances are made of tiny particles called atoms. All atoms move, or 'vibrate' and they produce heat energy. Fire is a form of heat energy.

Light energy

C Inquisitive Pty Ltd

Light is a form of kinetic energy that travels in waves through space. Light is the only form of energy that we can actually see.

8

Potential energy

Potential is stored energy. There are different kinds of potential energy.



Gravitational potential energy is the energy an object has because of where it is.

Water at the top of a waterfall has gravitational potential energy.



Elastic potential energy is the energy that is stored in a wound-up spring. Winding up the spring transfers energy to it.

Wind up toys and clocks need elastic potential energy to work.



You need energy too!

The chemical energy in food is transformed into the kinetic energy we need to move our bodies, and to keep organs such as our heart, lungs and brain working.

> What is your body's favourite source of energy?



Year 5 / 6 Science Physical Sciences



	Thursday 7 th October 2021				
	Reading – Comprehension- Inferring: No Litter Generation				
	Persuasive texts often play on people's emotions. Watch the clip below to see how this animator used				
	emotions to give a message.				
	<u>mups.//www.youtube.com/watch?v=FVArb2chb4Y</u>				
	Task: Answer the questions below. You will need to use your world knowledge and clues from the				
	animation text to draw inferences about things that aren't stated.				
	1. What were 3 negative consequences of littering shown at the start?				
	2. How did the composer influence our emotions?				
	4. Why did she put on a super-hero cape?				
	5. What action did she take?				
	6. What were 3 positive consequences of her actions on others, the planet and the future?				
	7. What is the intention/message of this animation?				
	Spelling Unit 10 & 11 – Using 'ion'/shun (eg: 'tion' and 'sion') Part B				
	Morphological: When adding 'ion'/ (shun) as 'tion' or 'sion' to a base word, it depends on the proceeding				
b	base word ending.				
ni.	When "tion" is at the end of a word, it makes its own syllable eg: mo/tion, ac/tion, lo/tion, di/ges/tion, prop/ar/a/tion, sub/trac/tion				
ΝO	Task: Complete the attached "Using 'ion'/shun (eg: 'tion' and 'sion') spelling worksheet. WORKSHEET 2				
	Writing – Persuasive: Negative Noun Groups				
	Yesterday, we worked on using positive noun groups to persuade. Today we are going to use negative				
	noun groups and adjectives that trigger emotions and persuade people to take action.				
	Task- Compose a persuasive paragraph that persuades students at our school to stop littering. You can				
	include visuals from the internet or draw a picture to support your				
	paragraph. Think about the ideas presented in the "No Litter Generation"				
	animation from our Reading task.				
	Plan for success by brainstorming negative or emotive adjectives to				
	playgound, animals etc.				
	horrific ridiculous				
	Success Criteria:				
	I have a least 4 negative/emotive noun groups.				
	All of my sentence punctuation is correct				
	 I may use other persuasive techniques or images. 				
	Stretch and Recess Break				
	Mathematics Activity 1 – Factors & Multiples				
	Quite often, we get confused between factors and multiples.				
	What is the difference? I oday you will revise the meanings of				
	pumbers. For the students who love a challenge, you will also				
	need to identify the Lowest Common Multiple (LCM) or Highest factor factor				
dle	Common Factor (HCF) of pairs of numbers. Use the worksheet of 20 of 20				
۸id	or the Google Classroom version for this activity.				
2	Mathematics Activity 2 – Complete the Shikaku Puzzle Challenge.				
	To complete the Skikaku puzzle, you will need to fill the grid with squares and rectangles. Each				
	circled number shows you the area of the shape that you will need to make. You must fill the entire				
	your own. Some puzzles will have numbers that aren't circled use these as hints to show you				
	where your shape will go.				
	Lunch Break				
	Geography – Bushfire Mitigation: Project Firestorm RFS (Level 1)				
2	This term in Coography, we are looking at hughfire mitigation. During have been looking we are raise to use an				
00	online resource called PROJECT FIRESTORM where you will learn about bushfire mitigation.				
ern					
Aft	Go to - <u>https://www.projectfirestorm.com.au/</u> and explore all of the parts of Level 1. Use the knowledge you huild up to anotype the guestions on the worksheet. There is also a Clearly Clearcom warries of this activity				
	available.				
1					

SPELLING: Using 'ion'/shun (eg: 'tion' and 'sion')

Spelling Worksheet 2

Spelling Rule:	Using 'tion	' and	'sion'	
* Use "tion" when the base word ends in (Drop the "e"/"te" before adding -tion)	a "t"/"te".	direct	= direc tion	≪ 11
* If the base word ends in "ss" retain the	"ss" and add "ion"	progre ss	= progressie	n
* Use "sion" when the base word ends in (Drop the "d"/"de" or "s"/"se" before a	"d"/"de" or "s"/"se". dding "sion")	tense	= ten sion	

Break the following 'ion'/ (shun) words into syllables: Remember: When 'tion' is at the end of a word, it makes its own syllable.

Word	Syllable Breaks	Number of Syllables
1. motion	eg: mo/tion	2
2. action		
3. lotion		
4. digestion		
5. preparation		
6. subtraction		

Use the base words for clues to write the missing 'tion' words in the sentences:

direct	When is the next	of the magazine due out?	(i)
instruct	In which	should I turn?	ÂĞK
educate	I couldn't understand the dog's	s to my shoes!	(Del)
edit	We go to school to get a good		NE
attract	Please follow my	carefully.	cita

Write the following words in a sentence:

direction	
instruction	
education	
edition	
attraction	

Use the 'ion' verb to noun word bank (left) to fill the sentences in this story:

reflect -	I really great actors	, now that I am going to be in a play, I hope
reflection	my performance will be worthy of	;
correct -	The character I play is a veterinarian	who performs a routine I
correction	wanted someone to	my performance to see if I was ready.
substitute -	I need to any mistake	s before opening night. I asked Mum to
substitution	watch me perform my scene and sug	gest a I might need to make.
examine -	Mum said that I did not need to	anything about my
examination	performance, but that my costume mi	ght need an
admire -	Mum held up a mirror to	my image back at me. I looked at
admiration	my and saw a	hat my shirt was on backwards.
alter -	I couldn't find the belt for my costume	so I had to another belt. I
alteration	don't think anyone will notice the	;

CHALLENGE: Write your own sentences using the following base + 'ion' words:

Irritate – irritation, coordinate – coordination, separate – separation, explore – exploration, preserve – preservation.

Mathematics Activity 1 – Factors & Multiples



Factors are the different numbers that you can multiply to get to a certain number. Another way to think of them is they are the numbers you can count by to get to a certain number. In the example, you can count by 4s or 5s to get to 20, so both 4 and 5 are factors of 20. **Multiples** are found when you multiply a certain number by any whole number. Another way to think of the is they are the numbers you say when you skip count by a certain number.

Write all the factors of the numbers listed. Clue: There is one space provided for each factor.

10:			
12:			
15:			
18:			
20:			
24:			
What is the Highest	Common Factor (HCF) of the	se pairs? Clue: It is the highes	t factor that they both have.
10 & 12:	15 & 18:	20 & 24:	18 & 24:
Write the first 10 mu	ltiples of each number listed:		
3:			
4:			
6:			
8:			
10:			
15:			
20:			
What is the Lowest C	Common Multiple (LCM) of these	e pairs? Clue: It is the lowest mu	ultiple that they both have.
6 & 8:	10 & 15:	4 & 10:	8 & 20:

Mathematics Activity 2 – Shikaku Puzzle Challenge





YOU ARE NEEDED AS A FIRESTORMER AGENT- YOUR MISSION IS TO INVESTIGATE



Week 1 Lesson 1 - Learn About BushfiresGo to this link and begin your mission - https://www.projectfirestorm.com.au/Enter Level 1 if you dare! - You will see five (5) video links in yellow that will help you answer the following questions:

1	Enter – What causes bushfires?	1
	What are three things that can cause bushfires?	2
		3
2	Enter – How can people prepare for them?	1
	List two things you can do to prepare	2
		3
3	Enter – What are ways of preventing them?	
	What does Total Fire Ban mean?	
	Write your answer using a complex sentence (Clue: start	
	a sentence with 'If' and it will be a complex sentence)	
4	Enter – How should you respond to a bushfire?	B P
	(Find - Warnings that save lives link).	P
	In blue you will find 5 suggestions to fill in the blanks.	R
	(The spaces tell you now many letters in the words)	P
		PBB
5	Enter – What happens after?	Definition:
	What is arson in a bushfire? Write your definition then	
	create the acrostic poem.	
		A
		R
		S
		N

	Friday 8 th October 2021					
	Reading – Comprehension- Inferring: Back to School Poem					
	We know that poems use figurative language and other techniques that require us to draw inferences to make meaning.					
	<u>1 The girl in the noom had mixed feelings about returning to school</u>					
	Why do you think she was both excited and nervous?					
	2. Explain the literal meaning of these figurative phrases:					
	* anticipation tickling on my skin					
	* I grin from ear to ear!					
	* I can not wait to see them all.					
	* A giant grin lights up my face!					
	3. These techniques "Show" how the girl is feeling. How are you feeling about returning to school? Write a few					
	sentences that "Show" your teacher how you feel- see if they can <i>infer</i> from your description!					
	Spelling Unit 10 & 11 – Using 'ion'/shun (eg: 'tion' and 'sion') Part C					
5	Morphological: when adding flon? (shun) as filon or sion to a base word, it depends on the proceeding					
ĩ	base word ending. When "tion" is at the end of a word, it makes its own syllable or; moltion, soltion, loltion, dilacoltion					
L L	prep/ar/a/tion_sub/trac/tion					
Ĕ						
	Task: Complete the attached "Using 'ion'/shun (eg: 'tion' and 'sion') spelling worksheet. WORKSHEET 3					
	Writing – Persuasive Techniques: Positive, negative and emotive language.					
	Trampolines! People have mixed feeling about them. We can influence their feelings through our choice of					
	descriptive language.					
	<u>Lask:</u> You are going to write 2 paragraphs. One will persuade parents that buying a trampoline is a great					
	choice, and the other will persuade parents that buying a trampoline is a terrible idea!					
	Think about our learning so far this week!					
	I have a positive paragraph with at least 3 noun groups.					
	I have a negative paragraph with at least 3 noun groups.					
	My paragraphs are at least 4 sentences.					
	 I may use other persuasive techniques or images. 					
	Stretch and Recess Break					
	STEM – Design your dream car					
	In this activity, you are going to design your very own dream car.					
	Think big and dream out of the box.					
lle						
ido	No idea is a bad idea - sometimes it's the little ideas that					
Σ	open the way to big dreams!					
	Don't worry about what's possible; just focus on what you'd					
	like to see. Some amazing ideas are born from dreams!					
	See the attachment in this learning pack for the instructions for this lesson.					
	Lunch Break					
	PE – Attack vs. Defense					
1	In Term 4, we are going to focus on developing tactics and skills for invasive games. Invasive games are team games					
1	where the main objective is for players to invade their opposition's territory to score points. An obvious example is					
	Basketball					
Ē	Netball					
00	Soccer					
Ĕ	Rugby League					
fte	I ouch Football/Uztag					
◄	Ultimate Frisbee					
	Your task is to select five invasive games and brainstorm the different skills/tactics you would use for attack and defense					
	A worksheet with a table has been provided with this pack to help you set it out. Once you have finished, you need to					
	select one skill that you brainstormed, suggest a drill that would help a player work on that skill and then do the drill					
1	yourself!					

Back to School Today

Stephanie Mulrooney



I wake up with anticipation tickling on my skin, Excitement builds inside me, it's so hard to hold it in! I look at my reflection and I grin from ear to ear, The day that I've been waiting for... yes finally, it's here!

It's time to read and write again, to think and laugh and play, I've missed my friends so very much since we have been away. I think of all the fun we have, the silly jokes we share, I cannot wait to see them all, I can't wait to be there! So why do I feel butterflies deep down within my core? Why do I feel nervous, and reluctant, and unsure? What if I've forgotten all the things I'm meant to do? What if things are not the same as what I thought I knew?

I enter the familiar grounds, the memories returning, Happy thoughts of special times, of friendship and of learning. There's bustle in the playground as the children dash around, Oh, how I've missed that cheerful noise, it's such a joyous sound!

I turn to see my teacher smiling at the classroom door, I know at once that there's no need to worry anymore. A giant grin lights up my face, I think it's fair to say, That I am simply overjoyed to be back at school today!

Spelling Worksheet 3

Spelling Rule:	Using	'tion'	and	'sion'	. @
* Use "tion" when the base word ends (Drop the "e"/"te" before adding -tio	in a "t"/"te". 1)		direct	= direc tion	≪ 11
* If the base word ends in "ss" retain	the "ss" and a	dd "ion" P	rogre ss	= progressi	on
* Use "sion" when the base word ends (Drop the "d"/"de" or "s"/"se" befor	in "d"/"de" or e adding "sion"	"s"/"se".)	tense	= ten sion	

Look at the pictures and sentences. Write 'tion' or 'sion' in the spaces to complete the word with the correct spelling. Be careful...one word ends with 'cion'!

and the second	At the meeting, we had a discus about how to organise our work next year.		
	Do you know what the current popular of the world is?		
*	When you are choosing vegetables to buy, you should pay close atten to how fresh they are.		
	Have you made a deci about which lounge you will buy?		
AB	I prefer smaller houses. I would not like to live in a man !		
	Melanie's vi is not very good. She can see much better when she is wearing her glasses.		
	I have very good rhythm, so I like to play percus I am not very good at hearing melodies, but I love the beat!		
	If you want to learn a new language, you can travel to another country. You can also study in a formal institu		
	Races do not make Rick feel nervous. He is not scared in a competi		
	Airplanes need large jet engines for their propul		
	The teacher gave Sophia an exten to finish her essay.		
	After you read the text, you will answer some comprehend questions.		
2	Coer means to force someone to do something they do not want to do.		
0	The police had a suspi about the man in the video.		
	Today is a special occa It is my thirtieth birthday!		
	It is a good idea to limit how much televi you watch.		
	In our next ses, we will talk about a marketing strategy.		
+	Kelly was happy to hear about her admin to the dance program.		
A Åe	Bill and Kathy will attend a teaching conven this week.		
TICKET	A large propor of the ticket price will be donated to charity.		
	I use different sec of the wardrobe for each kind of clothes.		
	Lydia has an important posi on the medical research team.		

Change the verb to a noun by adding the suffix 'ion' or 'ation':

correct	eg: correction	examine	reflect	
explore		separate	substitute	
admire		alter	irritate	
subtract		preserve	coordinate	

Adding 'ion' to a verb to make a noun:

VERB	NOUN	VERB	NOUN
Distinct		Express	
Predict		Possess	
Select		Obsess	
React		Confess	
Detect		Impress	
What's the rule?	ct + 'ion'	What's the rule?	ss + 'ion'

Adding 'ion' to a verb to make a noun:

VERB	NOUN	VERB	NOUN
assert		create	
invent		imitate	
suggest		illustrate	
exhaust		congratulate	
except		translate	
distort		migrate	
What's the rule?		What's the rule?	

Challenge words – Look at the following words and write the correct 'ion' ending:

VERB	NOUN	VERB	NOUN
Admit		Describe	

Correct the spelling of these words and write a sentence to demonstrate your understanding of the word meaning:

Incorrect Spelling	Correct Spelling	Sentence
eg: seclussion	seclusion	She liked to sunbathe in the seclusion of her own
		garden.
suspenshen		
attendsion		
acksion		

Adding 'sion' to a verb to make a noun:

VERB	NOUN	VERB	NOUN
Explode		Protrude	
Decide		Allude	
Divide		Collide	
Invade		Evade	
Conclude		Erode	
Intrude		Ascend	
What's the rule?			

VERB	NOUN	VERB	NOUN
Produce		Reduce	
Introduce		Reproduction	

What's the rule?

STEM: Design Your Dream Car - Activity Instructions

In this activity, you are going to design your very own dream car. Think big and dream out of the box.

REMEMBER:

- No idea is a bad idea sometimes it's the little ideas that open the way to big dreams!
- Don't worry about what's possible; just focus on what you'd like to see. Some amazing ideas are born from dreams!

Part A: Movement

Step 1. Do you think we will still be driving on roads in the future? What if you want to take your car over difficult terrains, like sand, mountains or the ocean? Does a car even need to have four wheels or any wheels at all?

Watch this https://www.youtube.com/watch?v=VBPrq_IXT1c

Take some inspiration from animals in the natural world or from the clip you just watched. Imagine a car with spider legs, a car that hops like a kangaroo, a slithering snake type car or a car that flies in any kind of way. List your ideas in the table below:

Animal	Movement
E.g. Spider	Walks on eight legs
E.g. Kangaroo	Норѕ

Step 2. Using the animals you thought about or ideas from the clip in the table 1, draw two cars that move in different ways below. These designs don't have to be perfect or very detailed, they're just for exploring ideas. Make sure to explain your designs using labels.

Part B: Power

In this step you need to decide what resource is going to fuel your car.

Step 1. Petrol, gas and diesel are non-renewable resources, which means that they will eventually run out and we won't have any more of them left on planet Earth. Yet almost all cars currently use these as a source of fuel.

Car manufacturers are already considering alternative energy sources, but we're sure you could be even more creative.

Think about some things that go into your bin. What about a car powered by banana peels, or cat litter? Remember that years ago, carriages were pulled by horses and sailboats didn't have motors. What about a pedal-powered car, or a massive wind-up propellor?





What resource is going to power your car? _

Part C: Look and Feel

Step 1. Now it's time to start thinking about the fun stuff – In the table below create two different dream car designs. Good designers don't just settle on one idea - they try lots of different things and sometimes they're surprised by what they find when experimenting.

Example Car 1	Example Car 2		
Colours: Red and green	Colours: Orange and blue		
Design: Stripes	Design: Dots		
Car shape: Square	Car shape: Triangle		
Texture: Hairy	Texture: Spiky		
Wheels: yes/ no	Wheels: yes /no		
Made from: tin	Made from: rubber		
Colours:	Colours:		
Design:	Design:		
r shape: Car shape:			
Texture:	Texture:		
Wheels: yes/no	Wheels: yes/no		
Made from:	Made from:		

Part D: Create your Dream Car

Step 1. Think about all of the things you have considered in Parts A, B and C. Gather up your favourite bits and pieces from the many designs you've drafted already and list them here:

- what is it made out of? ______
- what is it fuelled by? _____

Step 2. You are now going to create a finished artwork that portrays your final dream car. You this on an A4 piece of paper or in your learning from home book.

Remember:

- No idea is a bad idea sometimes it's the little ideas that open the way to big dreams!
- Don't worry about what's possible; just focus on what you'd like to see.
- Remember to take a photo of your car and send it through to your teacher in Google Classroom or Dojo.

Step 3. Write two or three sentences explaining the features of your car and why you made these choices. This will need to be submitted along with your picture.

Game	Soccer					
Skills & Tactics for Attack	 Dribbling Passing (short, medium and long passes) Go backwards to go forwards tactic Trapping the ball Tricking your opponent - 					
Skills & Tactics for Defense	 Mark your opponent Tackling Goalkeeping (catching, blocking, standing where the ball will go) Staying in position - - 					
Select	Select a skill and then suggest three different drills a player could do to work on that skill. Practise the drills at home.					
Sport – Focus Skill –						

PE - Brainstorm skills and tactics for attack and defense in five invasive games. Soccer has been started for you.

Drill 1 –	Drill 2 –	Drill 3 –			