Year 6 – Home Booklet 9

Monday

<table>
<tr><td>Spelling</td><td>Write your spelling words in your book and discuss the meaning of the words with someone.

Spelling pattern: the digraph /ou/ making the sound 'eh' as in famous.

<table>
<tr><th>Red</th><th>Orange</th><th>Green</th></tr>
<tr><td>famous</td><td>gorgeous</td><td>vicious</td></tr>
<tr><td>dangerous</td><td>seriously</td><td>rigorous</td></tr>
<tr><td>generous</td><td>ravenous</td><td>devious</td></tr>
<tr><td>enormous</td><td>tedious</td><td>precious</td></tr>
<tr><td>jealous</td><td>atrocious</td><td>conscious</td></tr>
<tr><td>curious</td><td>hilarious</td><td>ambitious</td></tr>
<tr><td></td><td></td><td>anonymous</td></tr>
<tr><td></td><td></td><td>numerous</td></tr>
<tr><td></td><td></td><td>curiously</td></tr>
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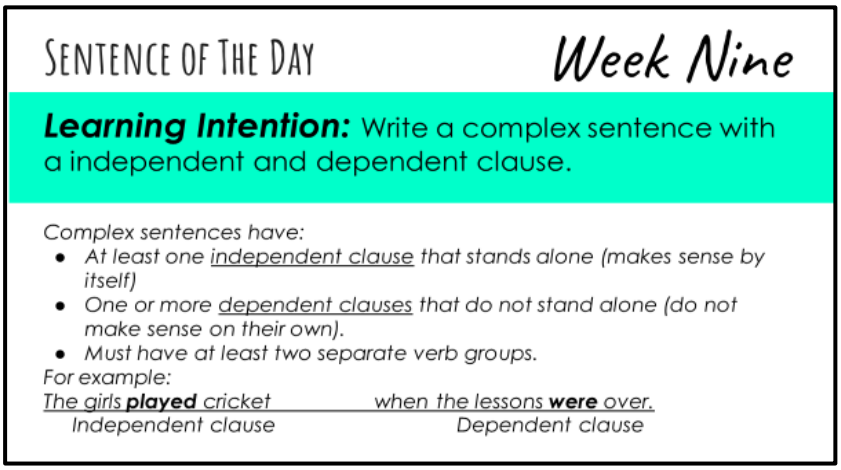
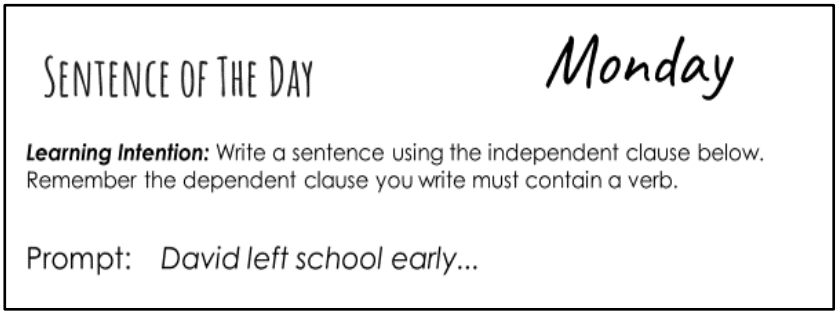
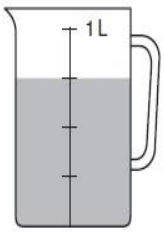
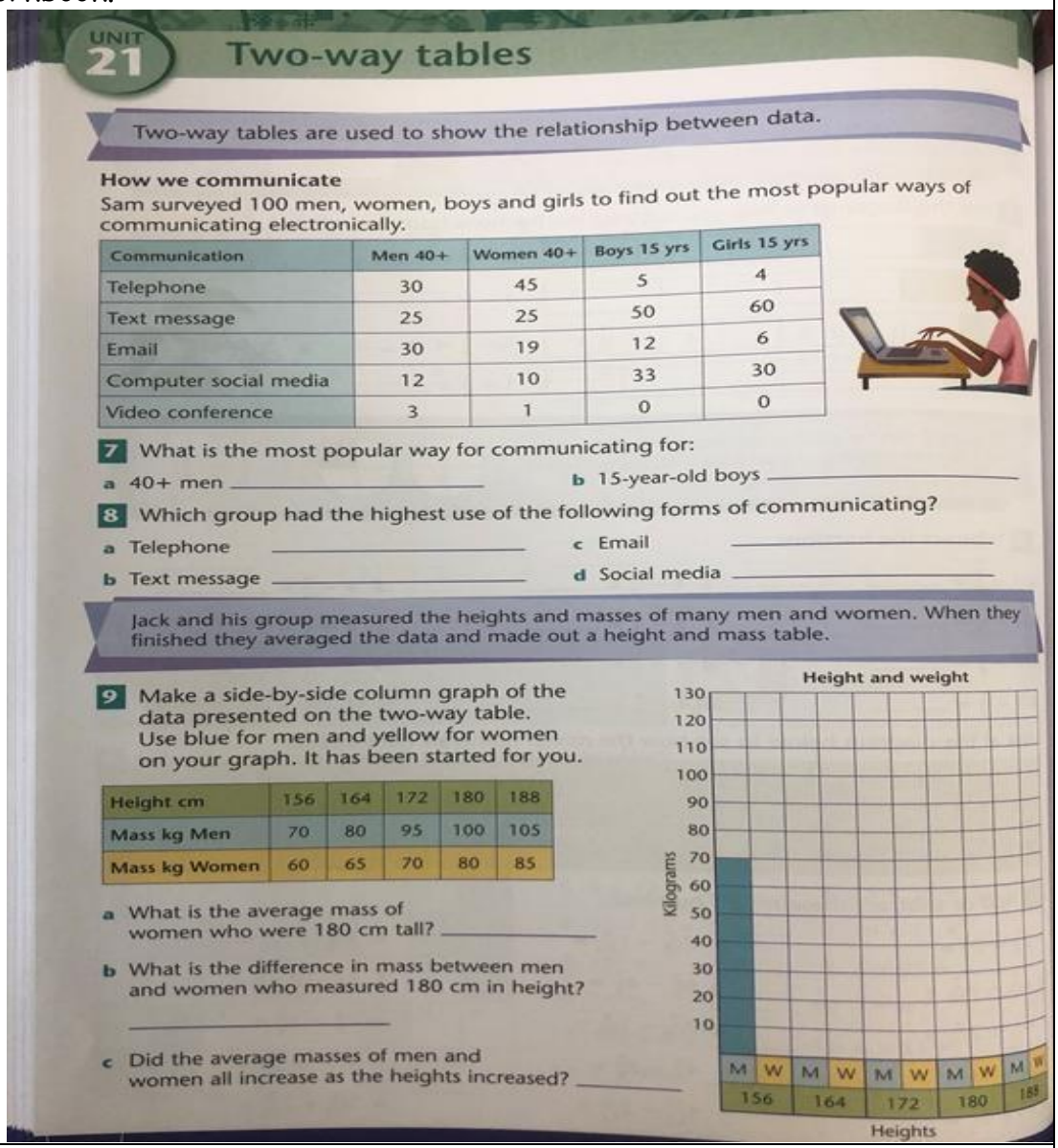
</td></tr>
<tr><td>Sentence of the day</td><td>




</td></tr>
<tr><td>Writing</td><td>Write a diary entry on how you feel about it being winter and why?</td></tr>
<tr><td>Reading</td><td>Read for at least 20 mins a book of your choice.
After reading:
Complete one of the following sentences about what you have just read:
<u>Question:</u> "I wonder if…" or "what if…"
<u>Connection:</u> "This reminds me of…"
<u>Reaction:</u> "WOW, I didn't know that…"</td></tr>
<tr><td>Comprehension</td><td>Complete comprehension pack 'The Circulatory System'.</td></tr>
</table>

Problem Solving (show your working out)	 How much more water is needed to fill the jug to 1L?
Maths	Write the heading "Two-way Tables" and complete the following in your workbook. 
Other	Go outside and create a little fitness circuit. (Short sprints, push ups, burpees etc.) OR Using a small box. Create an ocean diorama.

UNIT 21

Two-way tables

Two-way tables are used to show the relationship between data.

How we communicate

Sam surveyed 100 men, women, boys and girls to find out the most popular ways of communicating electronically.

Communication	Men 40+	Women 40+	Boys 15 yrs	Girls 15 yrs
Telephone	30	45	5	4
Text message	25	25	50	60
Email	30	19	12	6
Computer social media	12	10	33	30
Video conference	3	1	0	0

7 What is the most popular way for communicating for:

a 40+ men _____ b 15-year-old boys _____

8 Which group had the highest use of the following forms of communicating?

a Telephone _____ c Email _____

b Text message _____ d Social media _____

Jack and his group measured the heights and masses of many men and women. When they finished they averaged the data and made out a height and mass table.

9 Make a side-by-side column graph of the data presented on the two-way table. Use blue for men and yellow for women on your graph. It has been started for you.

Height cm	156	164	172	180	188
Mass kg Men	70	80	95	100	105
Mass kg Women	60	65	70	80	85

a What is the average mass of women who were 180 cm tall? _____

b What is the difference in mass between men and women who measured 180 cm in height?

_____

c Did the average masses of men and women all increase as the heights increased? _____

Tuesday

Spelling	Replace two letters in each spelling word to create new words. e.g. b a t b i g

<table>
<tr><td>Sentence of the day</td><td>

SENTENCE OF THE DAY Tuesday

Learning Intention: Write a sentence using the independent clause below. Remember the dependent clause you write must contain a verb.

Prompt: *The concert was postponed...*

</td></tr>
<tr><td>Writing</td><td>

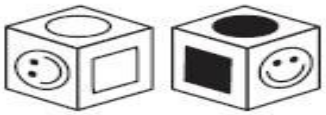
On Wednesday last week you wrote the **backfill** for this picture.

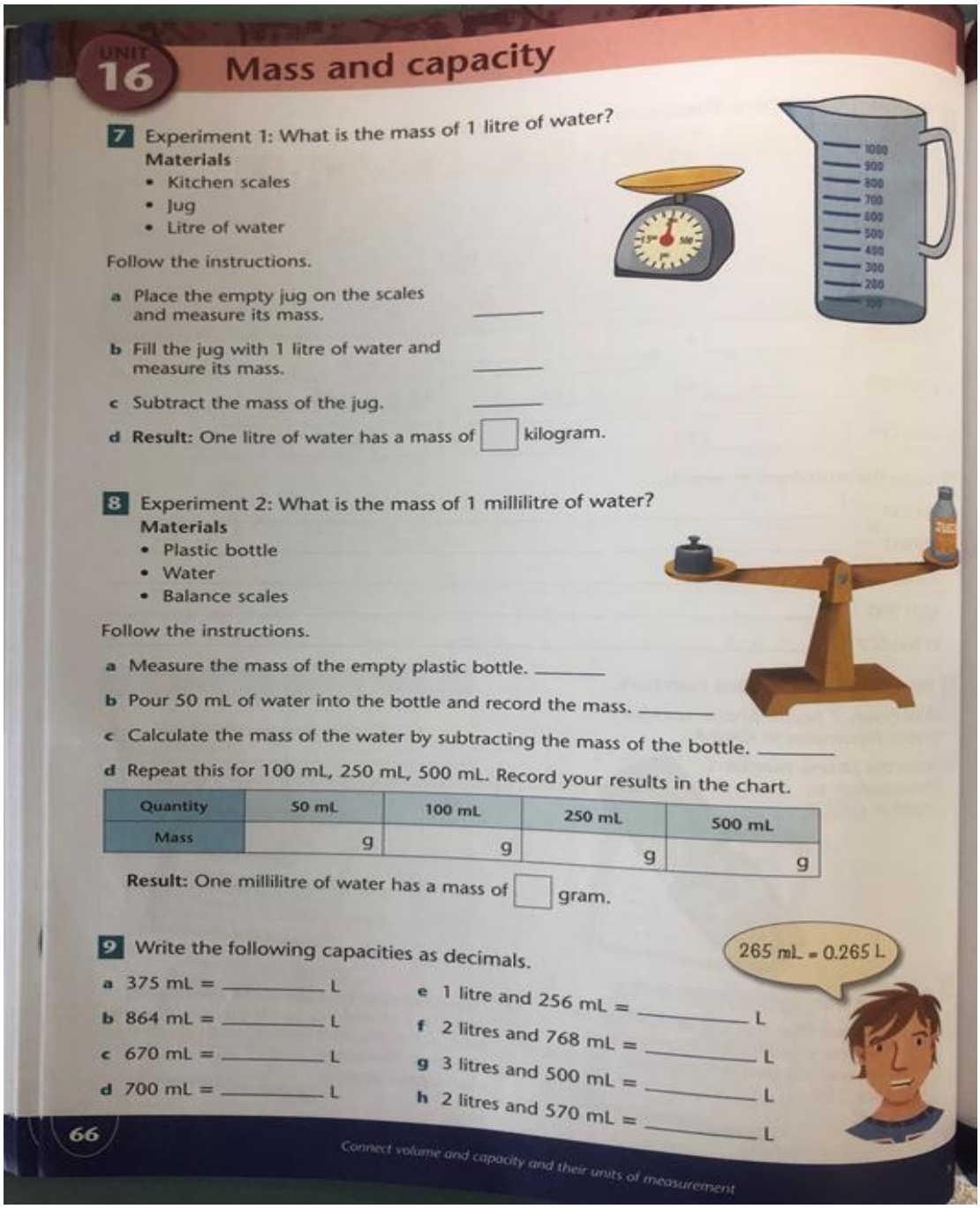
Using your planning page, sizzling start and your backfill. Write ideas down for your pebble, rock and boulder. Remember, the problems get bigger!!

You may want to set up your ideas like this.

<table>
<tr><td>Pebble</td><td>Rock</td><td>Boulder</td></tr>
<tr><td></td><td></td><td></td></tr>
</table>

</td></tr>
<tr><td>Reading</td><td>Read for at least 20 mins a book of your choice</td></tr>
</table>

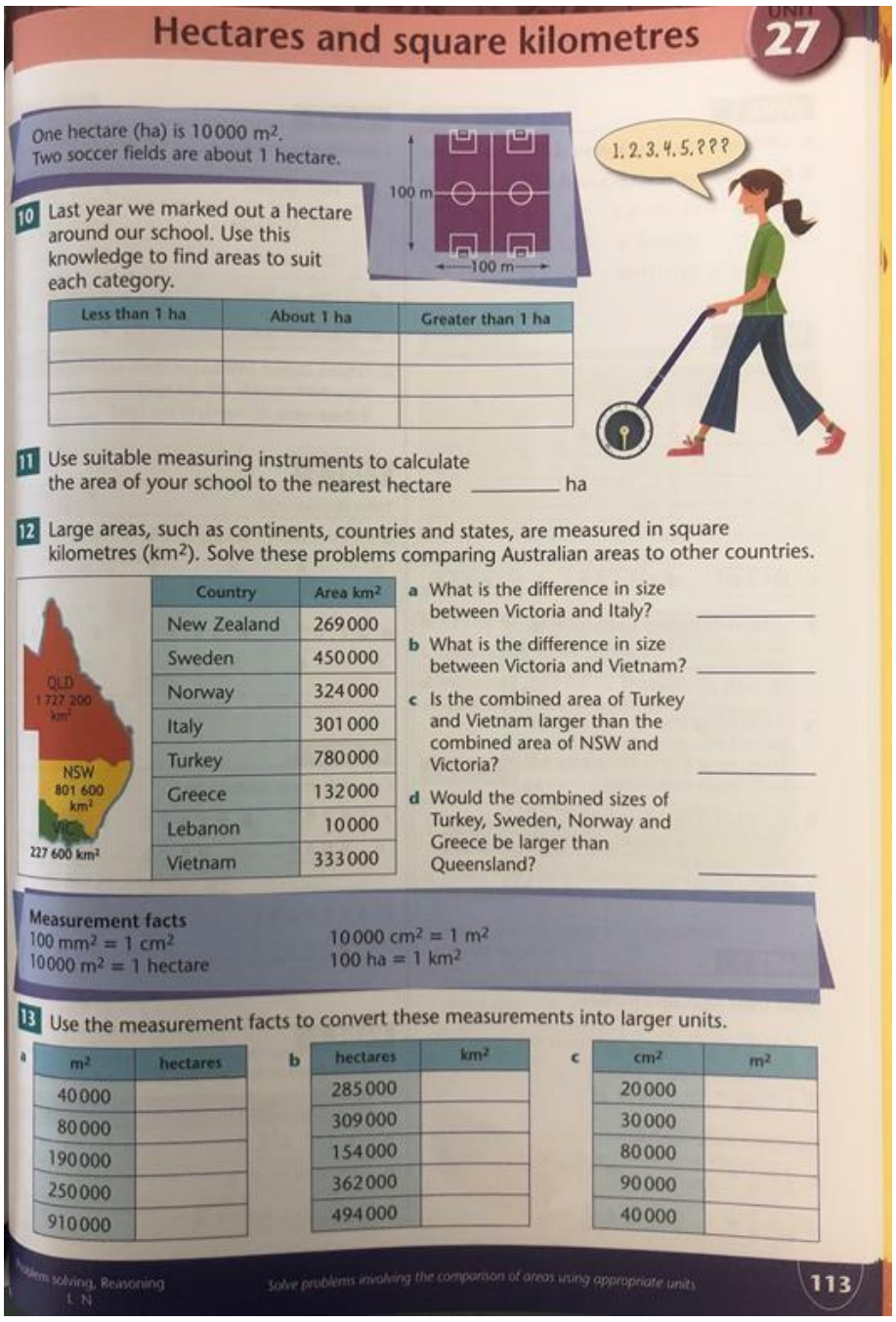
Comprehension	 *<u>Complete these questions in your workbook.</u>* 1. Who has brought the scroll to the samurai? 2. What does the scroll contain? 3. Why is the samurai dressed as he is? 4. What will he do now that he has received the message? 5. Who is the message from? 6. Is he the only character dressed like this? 7. What is he carrying on his back? 8. What might the symbol mean?
Problem Solving (show your working out)	Here are two pictures of the same cube. Each face has a different symbol on it.  Which face is opposite to the  face?

Maths	Write the heading "Mass and Capacity" and complete the following in your workbook. Too easy for you? Why not try estimating the capacity of some containers at home and then measuring them (cups, jugs, bowls, etc) 
Other	Go outside and stretch. Start with your toes, then ankles, calf muscle, making your way up your body one muscle at a time. (Stretch lightly and slowly) OR Look around your house and write down 3 items. Think of their purpose. Now write a completely new purpose as if you had just invented these items.

Wednesday

Spelling	Break your spelling words into syllables.
Sentence of the day	
Writing	Using your planning page of your pebble, rock and boulder, write your pebble and rock problems today. it is a good time to use your **Show Don't Tell** skills here. Think about **ALL** the senses and how you can use them in your writing. You should be aiming for at least half a page for these. Remember this is a large part of your story. 4-5 sentences is not enough.
Reading	Read for at least 20 mins a book of your choice. After reading: Complete one of the following sentences about what you have just read: **Question:** "I wonder if…" or "what if…" **Connection:** "This reminds me of…" **Opinion:** "I think…." **Reaction:** "WOW, I didn't know that…"
Problem Solving (show your working out)	Try and solve this Mathematical Trick. • Choose any two digit number (like 23 or 47) • Multiply your answer by 7 • Then multiply by 1443 • Then take away the first number Try this three times with other two digit numbers. What do you notice? Explain what you think is happening. Once you've mastered your trick, try it with someone you know. Get them to choose the number and you'll be able to predict the answer to their number every time.

Maths	Write the heading "Hectares and Square Kilometres" and complete the following in your workbook.
Other	Draw a floor plan of your house. Rearrange your living spaces. Eg. make the lounge room your bedroom, the laundry can be the bathroom. *Or* Dust the house. Use a duster or damp cloth. (don't forget the window sills)



Hectares and square kilometres

UNIT 27

One hectare (ha) is 10000 m².
Two soccer fields are about 1 hectare.

10 Last year we marked out a hectare around our school. Use this knowledge to find areas to suit each category.

Less than 1 ha	About 1 ha	Greater than 1 ha

11 Use suitable measuring instruments to calculate the area of your school to the nearest hectare _____ ha

12 Large areas, such as continents, countries and states, are measured in square kilometres (km²). Solve these problems comparing Australian areas to other countries.

Country	Area km²
New Zealand	269000
Sweden	450000
Norway	324000
Italy	301000
Turkey	780000
Greece	132000
Lebanon	10000
Vietnam	333000

a What is the difference in size between Victoria and Italy? _____

b What is the difference in size between Victoria and Vietnam? _____

c Is the combined area of Turkey and Vietnam larger than the combined area of NSW and Victoria? _____

d Would the combined sizes of Turkey, Sweden, Norway and Greece be larger than Queensland? _____

Measurement facts
100 mm² = 1 cm²
10000 m² = 1 hectare
10000 cm² = 1 m²
100 ha = 1 km²

13 Use the measurement facts to convert these measurements into larger units.

a

m²	hectares
40000	
80000	
190000	
250000	
910000	

b

hectares	km²
285000	
309000	
154000	
362000	
494000	

c

cm²	m²
20000	
30000	
80000	
90000	
40000	

Problem solving, Reasoning L N

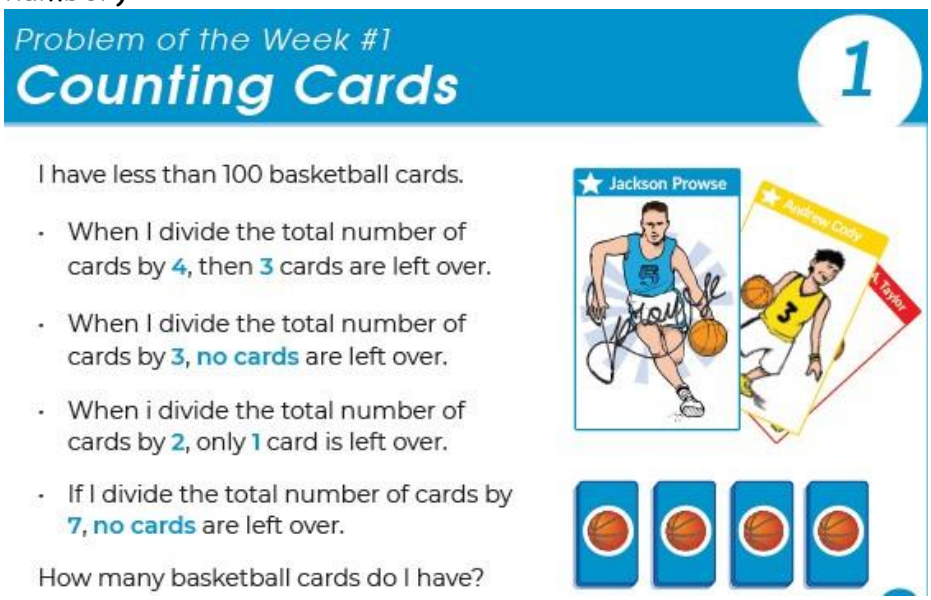
Solve problems involving the comparison of areas using appropriate units

113

Thursday

Spelling	Stand up, sit down: Spell your words out loud while standing up whenever a consonant appears, and sitting down whenever a vowel appears.

Sentence of the day	SENTENCE OF THE DAY — Thursday ***Learning Intention:*** Write a sentence using the independent clause below. Remember the dependent clause you write must contain a verb. Prompt: *...we were very happy.*
Writing	Today it is time to write your boulder problem for your story! The boulder is the biggest, largest, most dramatic problem. It is the OMG my world is going to end problem! So make it interesting. Usually the boulder problem is about the same length as your pebble and rock combined, so aim for at least half a page. Don't forget **Show Don't Tell** and to include your senses (not just what you see!) If you have time, edit your work. Think about capital letters, can you think of any better adjectives and adverbs, punctuation such as . , "" ! ? **EDITING IS ALLOWED TO BE MESSY!**
Reading	Read for at least 20 mins a book of your choice
Comprehension	Write a paragraph *inferring* what is happening in this image. 

Problem Solving (show your working out)	Try and solve the following in your workbook (Clue: 7 certainly is a magical number) 
Maths	Write the heading "Whacky Weighing Whizz" and complete the following in your workbook. Take a walk around your house and estimate how heavy items in your house might be in grams or kilograms. Once you've recorded your estimates, if you have scales, weigh some of them on a scale and record the actual weight next to your estimate. How close was your estimate?
Other	Using a cardboard box or bucket. Go outside and play a game where you compete with yourself or a family member. How far away can you stand and be able to throw the ball in. OR Get some paper and create some origami. (a sailors hat or whale is a good place to start)

Friday

Spelling	Get someone to test you on your spelling words, or do a look cover write check with them.
Sentence of the day	SENTENCE OF THE DAY *Friday* ***Learning Intention:*** Write a sentence using the independent clause below. Remember the dependent clause you write must contain a verb. Prompt: *... we went out for recess.*

Reading	Read for at least 20 mins a book of your choice. After reading: Complete one of the following sentences about what you have just read: **Question:** "I wonder if…" or "what if…" **Connection:** "This reminds me of…" **Opinion:** "I think…." **Reaction:** "WOW, I didn't know that…"
Other	Listen to some music and relax. OR With some help. Make some playdough. OR Complete any unfinished work.

The Circulatory System

The circulatory system is in our body. The word 'circulatory' means something that is going round and round in a circle or loop. This is exactly what is happening in our bodies all the time.

What Circulates and Why?

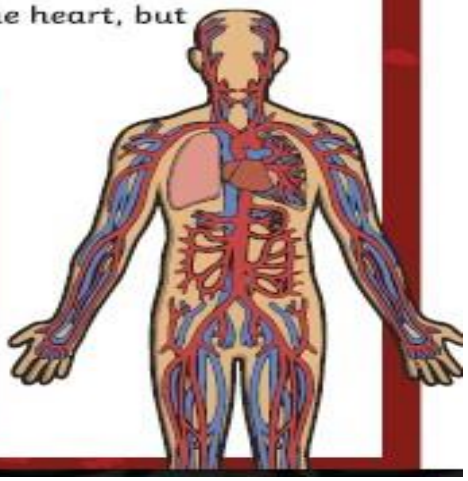
It is your blood that is circulated all around your body, and the blood is doing a really important job...it is taking oxygen all around your body to all the places it needs to go. The oxygen gets collected into your body when we breathe in, and it goes straight to your lungs. It's in the lungs that this oxygen goes into our blood and starts its journey around the body. You could think of the blood cells a bit like delivery drivers that drop off the oxygen to where it needs to be. Oxygen is dropped off all around the body to the capillaries, which are fine blood vessels that transfer the oxygen to all the cells in the body.

The Heart

Literally, the heart is at the heart of it all! Without the heart, no blood would get anywhere around your body. The heart is basically a big pump that constantly pumps the blood around the circulatory system. This happens all the time (even when you are asleep) to keep you alive. There are two loops in the circulatory system; the first goes to and from the heart visiting the lungs to collect oxygen and get rid of carbon dioxide. The other loop is much larger and goes to and from the heart, but travels all around the body in between.

Did you know?

- In the average person, the heart beats about 2,500,000,000 times during a lifetime.
- Amazingly, it only takes about 20 seconds for one red blood cell to go round the whole body.
- Red blood cells last about 4 months before your body makes new ones.

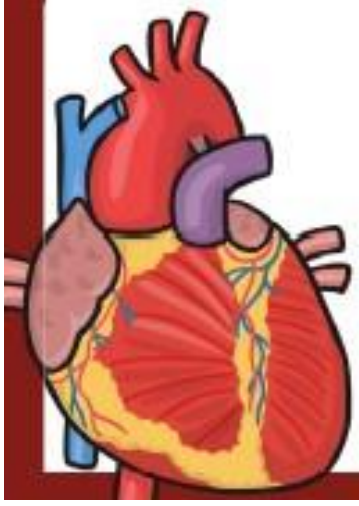


The Other Half of the System

We've talked about the blood in your system collecting oxygen and delivering it all around the body, but it also does another important job. It takes carbon dioxide from your body and back to the lungs to be let out when you breathe out. If we think of our red blood cell delivery drivers again, they also collect the waste and take it away again. So, they are delivery drivers and waste disposers all in one!

Did you know?

- If you put one adult's veins, capillaries and arteries in one long line it would stretch 60,000 miles which would circle the Earth two and a half times!



1. Why is it called a 'circulatory system'?

2. What pumps the blood around your body?

3. How long does it take for one red blood cell to go round the body?

4. What is it that your body needs that gets delivered by the blood?

5. What is the final thing your body needs to do to get rid of unwanted carbon dioxide?

6. The larger loop of the circulatory system goes all around to and from your heart, where does the other one visit?

7. In the final paragraph, the author has used an apostrophe to create a contracted word. What should the full words be?

8. Find three conjunctions in the text.

9. What are the blood cells compared to? Why?

What is the most interesting piece of information you have read in this text and why?