

SD83 Home Learning Opportunities - Grade 6

April 20th to 24th, 2020

Dear Parents/Caregivers,

We hope you had a wonderful weekend with your family. Here are some possible learning opportunities for your child this week. Hopefully you will have a chance to explore the "Website of the Week" as there are some wonderful Science videos there.

**Monday
April 20th**

Health & Well-Being: Spell Your Name Workout - go outside and perform each movement according to the letters in your name.

SPELL YOUR NAME

DO THE WORKOUT **EVERY DAY**

A: 10 PUSH UPS	N: 5 SETS OF STAIRS
B: 1K JOG	O: 20 LEG RAISES
C: 10 SQUAT JUMPS	P: 1 MIN PLANK
D: 20 BURPEES	Q: 30 STAR JUMPS
E: 10 SQUATS	R: 2 MIN SKIPPING
F: 20 STAR JUMPS	S: 20 BURPEES
G: 20 LUNGES	T: 30 SEC PLANK
H: 1 MIN SKIPPING	U: 15 SQUATS
I: 45 SEC PLANK	V: 15 PUSH UPS
J: 3 SETS OF STAIRS	W: 20 SIT UPS
K: 10 BURPEES	X: 10 LUNGES
L: 20 SQUATS	Y: 20 SQUAT JUMPS
M: 2 MIN PLANK	Z: 2 MIN PLANK

Literacy: Read a book of your choice.

Create a playlist connected to the book you are reading. How can you use songs to capture the theme or character development within your book? Explain your connections through writing.

Numeracy: A tadpole had a mass of 4.3 grams. After a month, it was 2.7 times heavier. What was the mass of the frog after a month?

"Would You Rather?" - Look at the options below and decide which one you would choose. Explain your choice and be sure to include your mathematical reasoning!

YOU ARE TRYING
TO SAVE MONEY
FOR A PURCHASE.
WOULD YOU
RATHER...?

Work five days week,
3 hours a day at
\$7.00 an hour?

Work four days a
week, working 2 hours
a day, making \$11.00
an hour?



Tuesday
April 21st

Health & Well-Being: Write or draw about how you are feeling. Talk about your drawing or writing with someone in your family, with a friend, or with an adult you feel comfortable with.

Literacy: Read a book of your choice.

Go on a shape hunt in your house or outside. Choose either a cylinder, cube, or trapezoid and look for as many objects or structures that represent your shape. Draw or take photos of what you found. Write down the attributes of your shape (how would you describe your shape to others)?

Numeracy: A single six-sided die was rolled. What is the probability that the outcome was an even number greater than 3?

Challenge: Using the digits 1 to 9 at most one time each, fill in the boxes to make the product as close to 7 000 as possible.

$$\begin{array}{r}
 \square \square \\
 \times \square \square \\
 \hline
 \end{array}$$

Wednesday
April 22nd

Health & Well-Being: "Deck of Cards" - Assign a movement to each of the 4 suits (remove the face cards).

Example:

Diamonds= Jumping Jacks

Clubs = Lunges

Hearts = Squats

Spades = High Knees

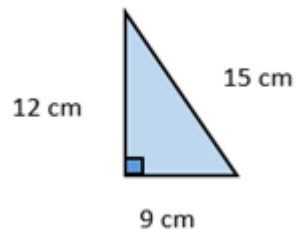
Pick a card from the deck and perform the number and type of movement that corresponds with the chosen card. As an example, the 3 of hearts means performing 3 squats. Can you go through the whole deck?

Literacy: Read a book of your choice.

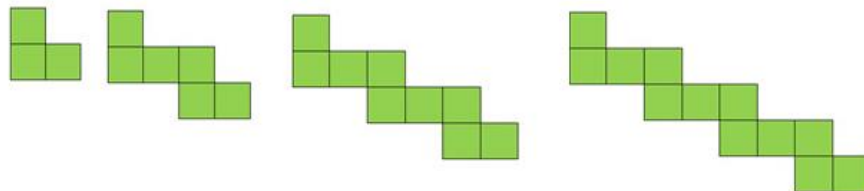
Research an animal. Write down five interesting facts that you learned about your animal. You may want to use a book, a magazine, or a website such as [National Geographic Kids](https://www.nationalgeographic.com/kids/) to guide your research. Write down the source you used for this research.

Numeracy: A triangle has the following dimensions. What is the:

- a) perimeter of the triangle
- b) the area of the triangle



Patterns: from visualpattern.org



How many squares are in the next figure?

How many squares are in the 43rd figure?

What is the perimeter of the 4th figure?

What is the perimeter of the 43rd figure?

Thursday April 23rd	Health & Well-Being: Create a poster with an uplifting saying and post it somewhere where others can see it or use chalk and write a positive message on a sidewalk.
	Literacy: Read a book of your choice. Think about a book you would like to recommend to someone. Write down the key features of your book that you enjoyed. Through technology or a phone call, recommend the book to a family member or a friend.
	Numeracy: A jug of laundry liquid detergent has a volume of 3.56 litres when it is full. The manufacturing company suggests that each load of dirty clothes uses 0.04 litres of soap. How many loads of dirty laundry can the jug of detergent wash at this rate? Problem of the Week link: https://sd83.bc.ca/math-problems-of-the-week/
Friday April 24th	Health & Well-Being: Put on your favourite upbeat songs and have a Dance Party. Teach your family a dance move like The Floss, Rake the Lawn, Pick the Apples, or do The Sprinkler! If you want to follow along with someone else check out these Dancepl3y video's .
	Literacy: Read a book of your choice. Acts of kindness: Write a plan for how you will add kindness to the world, even from a distance. How will you carry out your plan?
	Numeracy: In a particular class, the ratio of boys to girls is 4:5. If the same class has 15 girls, how many boys are there? Fun Friday game link: https://sd83.bc.ca/family-math-games/

Website of the Week

<https://billnye.com/the-science-guy>

Spend some time exploring a variety of interesting Science videos with Bill Nye the Science Guy.

Numeracy Solutions

Monday	Frog's mass after a month: $4.3 \text{ g} \times 2.7 = 11.61 \text{ g}$ Would You Rather? - Answers will vary.
Tuesday	A die has six possible outcomes: 1, 2, 3, 4, 5 and 6. There are two even numbers greater than 3: 4 and 6. Therefore, the probability is 2 out of 6 (or $\frac{1}{3}$ as a simplified fraction). Challenge solution: here are 2 solutions-can you find any closer to 7000? $96 \times 73 = 7008$ $92 \times 76 = 6992$
Wednesday	a. Perimeter = adding up the outside edges = $9 + 12 + 15 = 36 \text{ cm}$ b. Area = (length $\times$ width) $\div 2 = (9 \times 12) \div 2 = 54 \text{ cm}^2$. Note - the length and the width must be 90° to one another to find the area. Since the 15 cm leg is not at 90° to the other two legs of the triangle, it is not used in the area calculation. Pattern solution: 5th figure: 15 squares 43rd figure: 129 squares Perimeter of 4th figure: 26 units Perimeter of 43rd figure: 260 units
Thursday	Number of washes: $3.56 \div 0.04 = 89$ washes
Friday	There is a ratio of 4 boys to every 5 girls. In this particular class, there are 15 girls (which is 3 times greater than the proportion of 5). Therefore, there are ($3 \times 4 =$) 12 boys (3 times greater than the proportion of 4).