Home Learning Activities: Week 3

Grade 6J – Mr. Methot

*I encourage all of you to try to check your Microsoft Teams from time to time (every day if possible) to check for any new posts. Sometimes I post videos or ask discussion questions, and I like hearing from the class, but sadly I haven't received much participation on your end. It is not mandatory; however, Teams is a fun way for us all to stay in contact while being at home and a way for me to see what you are up to with your Home Learning and how you are doing. I will continue to provide weekly opportunities to share photos and/or videos with the group. Hope to hear from you, I miss you all 6J!

*I would suggest looking at the attached file named "Rapports" first thing to help you before you get going. This will be helpful with this week's activities. We are focusing on **Understanding Ratios (Rapports)**. A ratio, like a fraction, is a comparison. Ratios are a way to represent and compare groups of two numbers or quantities. There are a couple of different types of ratios: **part-to-part (partie-à-partie) and part-to-whole (partie-à-tout)**. We can express ratios in different forms such as 3:5 or 3 à 5 or 3/5. However when expressing a ratio as a fraction like 3/5, this can only be used when comparing part of a set to a whole set (partie-à-tout).

Monday

- **Brainpop:** There are lots of great educational videos and quizzes you can try. Feel free to explore the website as much as you want. You can use my account to gain access. Click on "se connecter" to log in. The username is Mr.Methot and the password is Raiders2020. Check out the subject "Techno ingénierie" at the top of the homepage. Then on the next page click on "Sujets". Find the topic called "Voler". There is a video you can watch and quiz questions you can try.

- **Netmath questions:** If you did not activate your account last week, here is the link you can use to activate your account: www.netmath.ca/activation. Once you click on the link, use the following class code: 646A-48AF. Next, select the option 'Je n'ai pas de compte Netmath'. Part 3 will ask for your first name, family name, email (optional), password, and password again to confirm it. Fill in the necessary information and then press continue. After you sign into the site, you can change your background image and character. You will see on the homepage that there are some activities that I have selected for you to try.

  If you activated your account last week, just go on www.netmath.ca and click on "login" at the top of the page. Type in your full name and password to log in. Like last week, you will see activities/lessons on your homepage that I've selected for you to try. You can always continue incomplete lessons from previous weeks if you want.

Tuesday

- **Puzzles + cards:** Here are a couple of new ones to try. You can always go back and revisit puzzles and card games from previous weeks that you enjoyed or want to complete.

  1. **Order of operations magic square:** Each row and column must add up to the same number (attached file titled "6J Carré Magique").

  2. **Proper fraction card game:** You will need a deck of cards and at least one partner to play along with you. First remove the jokers, jacks, queens, and kings from the deck. The ace will have a value of 1. Deal out 4 cards to each player. Each player will attempt to make the biggest proper fraction (fraction propre) they can using 2 of their 4 cards. A fraction equal to 1 such as 3/3 is an improper fraction (fraction impropre) and is not allowed. The player with the largest fraction earns a point. You can always confirm with a calculator if you aren't sure which fraction is larger by dividing your fraction. Then return all the cards

back to the deck, shuffle them all, and deal out 4 cards to each player again to begin the next round. You can decide how many points you need to win the game (maybe 5 points?).

Wednesday (Earth Day!) 😊

- **STEAM challenge:** Your challenge this week is to build an **anemometer** to measure wind speed and direction. There is some information and a link to a helpful website included in the attached file named "Défi de STEAM". I have included the English version of the document as well with the name "STEAM challenge". Be sure to use the third page for grades 6-8. And of course, I'd love to see your creations so feel free to share photos and/or videos on Teams with the class!

- **Earth Day checklist:** Since April 22nd is Earth Day, it's important to consider ways that we can be Earth-friendly, such as reducing our garbage output, saving water, and reducing electricity usage. In the same files again, there is a checklist at the bottom of the page listing many ways that you can help the environment. I'd love to hear about how you were Earth-friendly today/this week! 😊

Thursday

- **Netmath questions:** Continue with wherever you left off. If you happened to have completed all the activities/lessons that I've given you so far, then you can explore the website and find a new topic that interests you to try. Click on "Livres" on the left-hand side of the screen to find all the different math topics.

Friday

- <u>Ratio family activity</u>: Think about as many members of your family as you can and make a list of them all so you don't forget anyone. Using ratios, here are a list of comparisons you can make between members of your family. Some ratios (rapports) will be part-to-part (partie-à-partie) while others are part-to-whole (partie-à-tout). Once you are finished finding all the ratios, try identifying which ratios are part-to-part and which ratios are part-to-whole.

  - **Males to females / Hommes-femmes**

  - **Females to males / Femmes-hommes**

  - **Adults to kids / Adultes-enfants**

  - **Kids to total family members / Enfants par rapport à tous les membres de la famille**

  - **Total family members to females / Tous les membres de la famille par rapport au nombre de femmes**

  - **Family members that live with you to family members that don't live with you / Membres de la famille qui habitent chez toi par rapport aux membres de la famille qui n'habitent pas chez toi**

  - **Family members that live with you to total family members / Membres de la famille qui habitent chez toi par rapport à tous les membres de la famille**

  - **Family members over 50 years old to family members under 50 years old / Membres de la famille plus âgé que 50 par rapport aux membres de la famille plus jeune que 50**

  - **Family members under 50 years old to total family members / Membres de la famille plus jeune que 50 par rapport à tous les membres de la famille**

Extras

- **<u>Research question of the week:</u>** One of the four forces that acts on flying objects is <u>drag</u>. Drag is the force that slows the flying object. You can think of drag as air resistance. Imagine you were to design an airplane. **How can you change or alter your airplane design to increase or reduce the amount of drag?** We can discuss this question on Teams later in the week!

- **<u>PEMDAS song:</u>** The exponents (exposants) part of the order of operations will be introduced in grade 9.
  https://www.youtube.com/watch?v=yYLpIsY8G8E

Enjoy the Outdoors!

Keep Active!

https://twitter.com/gerritbosma9   https://www.prospects1500.com/top-50-lists/toronto-blue-jays-2018-top-50-prospects/