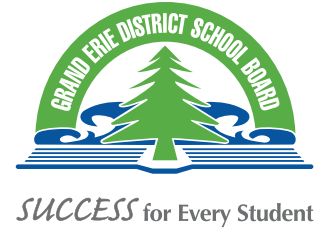


Grade 5

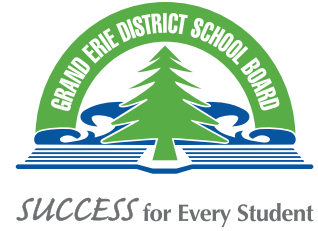


Literacy Calendar

Grand Erie values languages and home cultures. We invite all our families and students to complete some of these activities in English, French, or their own first/home language.

Date	Activity
Monday, June 15	Find a book and look at the front and back covers. What grabs your attention? What do you see on the back cover? What kind of information is given about the author? What kind of information is given about the book? Notice the letter sizes, fonts, colours and images used for the different sections of the front and back covers. How do these attract or detract your attention? Who do you think is the intended audience for this book? What makes you think this? Are the book covers effective at attracting this audience? Explain how.
Tuesday, June 16	Find one fiction and one nonfiction book, and compare them. What is the same and what is different? Why would the designs be different? How does each of the covers give you information before you read it? Who are the intended audiences for each book? How does the information on the back cover help you decide if you want to read the book?
Wednesday, June 17	Choose a book and redesign the front and back covers. What elements will you keep the same and what could you change? (e.g. title, illustration, review comments, book summary) Pretend you are the author of that book and write your own author biography. Create a rough sketch of your front and back cover designs.
Thursday, June 18	Share the rough draft of your author biography and both cover designs with a friend or family member. Ask them for some feedback on how to improve your book design. Was your design effective? Ask them if they would read the book based on your cover designs.

Grade 5



Literacy Calendar

Grand Erie values languages and home cultures. We invite all our families and students to complete some of these activities in English, French, or their own first/home language.

Date

Activity

**Friday,
June 19**

Use some of the feedback and some of your own ideas to improve your design and create a final copy. How did looking at different book covers help you design your covers? What did you learn about this process? What would change if you were to do this again?

Grade 5



SUCCESS for Every Student

Numeracy Calendar

Date

Activity

**Monday,
June 15**

Play Fraction Pick Up. This game can be played with a partner or on your own. You will need a deck of cards with the face cards removed. Ace = 1.

Take turns choosing two cards from the top of the pile to use to create a fraction. The smaller number will be the numerator and the larger number will be the denominator.

Compare the fraction you create to 0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and 1.

Scoring Guide:

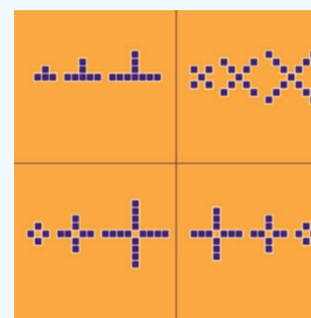
- 5 points if the fraction is equal to 0, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ or 1
- 3 points if the fraction is less than $\frac{1}{4}$ or greater than $\frac{3}{4}$
- 1 point if the fraction is between $\frac{1}{4}$ and $\frac{1}{2}$ or $\frac{1}{2}$ and $\frac{3}{4}$.

The first player to score 30 points wins. If you are playing alone, how many points can you score in 10 rounds? Try to beat your high score.

**Tuesday,
June 16**

Which One Doesn't Belong?

Instead of choosing only one that does not belong, give one reason why each pattern might not belong with the other 3. Can you think of more than one reason for some?

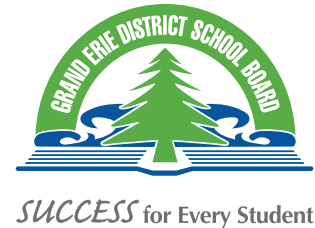


**Wednesday,
June 17**

Triangle Designs.

Cut a triangle out of a piece of paper or thin piece of cardboard. On a piece of paper, trace the triangle you cut out. Use 2 types of transformations (reflections or translations) to create a design by tracing the triangle you cut out after each transformation. Colour your design and display it for others to see.

Grade 5



Numeracy Calendar

Date

Activity

**Thursday,
June 18**

This Weather Network calendar shows the average temperature in Brantford, Ontario for the month of May 2020, during which we experienced extreme differences in temperature (very hot days and several chilly days).

Using the chart below, which days would have been great for swimming? On which days would you have needed to wear a sweater or jacket outside?

What is the average temperature (the mean) for the whole month of May?

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					01 Actual 16.2 °C 24h Rain 0.8mm	02 Actual 17.5 °C 24h Rain 0.5mm
03 Actual 21.3 °C 24h Rain 0.4mm	04 Actual 11.4 °C 24h Rain 5.4mm 24h Snow 0.4cm	05 Actual 11.3 °C 24h Rain 17.6mm	06 Actual 13.7 °C	07 Actual 16 °C	08 Actual 6.3 °C	09 Actual 6.2 °C 24h Snow 0.4cm
10 Actual 11.9 °C 24h Rain 0.4mm	11 Actual 6.5 °C 24h Rain 5.4mm 24h Snow 0.4cm	12 Actual 10.6 °C	13 Actual 12.9 °C	14 Actual 10.7 °C 24h Rain 4.8mm	15 Actual 23.1 °C 24h Rain 8mm	16 Actual 18.8 °C
17 Actual 12.8 °C 24h Rain 10.8mm	18 Actual 9.8 °C	19 Actual 14.5 °C	20 Actual 18 °C	21 Actual 20.4 °C	22 Actual 23.4 °C 24h Rain 4.6mm	23 Actual 24.4 °C
24 Actual 27.7 °C	25 Actual 30.5 °C	26 Actual 31.3 °C	27 Actual 28.1 °C	28 Actual 23.3 °C 24h Rain 8.4mm	29 Actual 24.2 °C 24h Rain 8mm	30 Actual 17 °C
31 Actual 15.9 °C						

Grade 5



SUCCESS for Every Student

Numeracy Calendar

Date	Activity
Friday, June 19	<p>Lost Socks in the Laundry</p> <p>Suppose you have three pairs of socks in the laundry, one blue pair, one green pair and one red pair. Now suppose that somehow four socks disappear. Which is more likely: that the two socks that are left will match or that they will not match?</p> <p>Try to show all the possible outcomes in a list or with a model. Use a fraction to represent the probability of drawing the matched or mismatched socks.</p>

Sources:

Box Cars and One-Eyed Jacks

<https://www.nctm.org/Classroom-Resources/CRCC-Archive/>

A Guide to Effective Instruction in Mathematics, Kindergarten to Grade 6. Data Management and Probability, Grades 4 – 6
Small, Marian. Open Questions for the Three-Part Math Lesson. Geometry and Spatial Sense/ Data Management and Probability. Grades 4-8

Small, Marian. Good Questions. Great Ways to Differentiate Mathematics Instruction

Math Pre-Assessment 6 – Finding Each Student's Pathway

(eaching Student Centered Mathematics, Grades 6-8, Van de Walle, 2014

<https://schools.wrdsb.ca/athome/learn/elementary-home/elementary-2/math/math-grades-1-3/whats-new/hot-or-cold/>

<https://www.eqao.com/en/assessments/primary-division/assessment-docs/g3-data-management-probability-strand-2012-2016.pdf#search=probability>

<https://www.eqao.com/en/assessments/primary-division/assessment-docs/g3-patterning-algebra-strand-2012-2016.pdf#search=patterning>

www.mathies.ca pattern block tool, number grid tool

<https://support.mathies.ca/en/mainSpace/RepresentationCardGames.php>

https://assets.pearsonschool.com/asset_mgr/current/201340/0132046008_fsm_geometry.pdf p. 78

Van de Walle, J., Lovin, L., Karp, K., Bay-Williams, J. (2014). Teaching Student-Centered Mathematics, Developmentally Appropriate Instruction for Grades Pre-k-2, p.238 and 328.

<https://www.publicdomainpictures.net/en/view-image.php?image=245286&picture=giraffe-illustration-clipart>

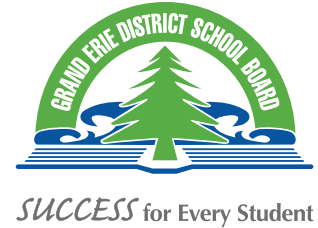
https://assets.pearsonschool.com/asset_mgr/current/201340/013221279X_fsm_data.pdf p.45

<https://oame.on.ca/eduproject/ontariomathresources/files/Patterning%20and%20Algebra%20K-3.pdf> p. 73

The Weather Network:

<https://www.theweathernetwork.com/ca/monthly/ontario/brantford?year=2020&month=5&dispt=calendar-container-monthly>

Grade 5



Science

June 15 - June 19

Option 1

Understanding Human Organ Systems:

In the heat of the summer months, outdoor activities have a different impact on your body. For example, running around the block in the early spring, will feel much different to your body (lungs and heart), then if you were to do the same route on a hot summer's day. Additionally, there are other factors then just heat that we have to consider. Humidity, pollution and overall health are just a few to consider. Heat stroke becomes a consideration when performing routine tasks in the heat of summer and understanding how the heat and humidity affect our organs and their functions.

Watch the YouTube video below to get a basic understanding of heat and humidity and its effects on the human body.

<https://www.youtube.com/watch?v=K2DKRV2ttAU>

Did you know that the average human is suggested to drink 8 - 250 ml glasses of water a day? Eight (8) glasses converts to 2 full litres of water! In many cases, people don't even realize that they are becoming dehydrated. Doctors suggest that by the time you feel thirsty your body is already headed into dehydration mode. As a project over the summer fill a jug or a large pitcher with water. Ask your parents to set the timer for 1 hour intervals. Every time you hear the alarm go off, drink one 250ml glass of water. Repeat for the waking hours of the day. Try this for one week if possible. Check in with your parents over the week long project. Do you feel any different? Do you think this amount of water is beneficial or detrimental to you health?

Grade 5



Science

May 11 - May 15

Option 2

Understanding Structures and Mechanisms:

Notre Dame cathedral in Paris France is considered to be one of the finest examples of Gothic Architecture in the world. Unfortunately, it was devastated by fire in 2019 due to on-site construction equipment malfunctioning.

As the fire moved throughout the building the roof was devastated and now is in need of complete restoration. If you had the chance to rebuild an important building in your community that had been burnt down or damaged would you build it back exactly as it was maintaining traditional approaches; or would you use your imagination and build something different?

Watch the following YouTube video to learn more about Notre Dame and some of the ideas that have been inspiring architects as they search for a plan to repair and modernize the cathedral. Please note that preview commercials cannot be guaranteed so exercise caution.

https://www.youtube.com/watch?v=ttsyclupn_M

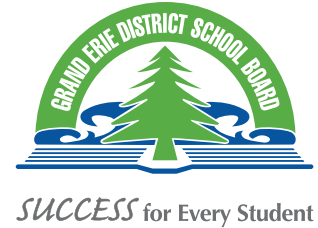
Think now to an important building that you enjoy (library, shopping mall, theatre). If something tragic were to happen to it what would be three (3) things that you could come up with that would make it modern, yet keep its connection to the community and traditions? Draw a picture of the building and your proposal. If you can't think of one - research the rebuilding of Notre Dame cathedral.

Option 3

Understanding Matter and Energy

As the weather gets warmer and people are wanting to be outside a bit more, they are going to find their bodies suffer from dehydration quicker than in say the early spring or late fall months. Turning water into ice to cool refreshments happens more often in summer months. But what is the freezing time for other liquids?

Grade 5



Science

June 15 - June 19

Option 3 Continued...

Ask your parents' permission before starting this experiment! Choose three liquids that you might have in your fridge. These may be juice, soda pop, maple syrup, even chocolate milk! Using a regular ice cube tray fill four spaces each with one each of the three selections. For example fill the first four spaces with one choice. Repeat with the following two choices.

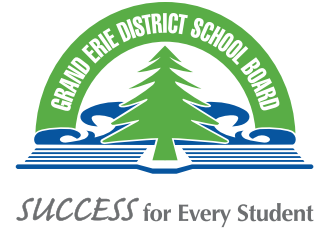
Place the tray in the freezer. Check back every half hour to see make observations. Keep track of the time it takes to make each one freeze. What observations did you make? Can you hypothesize why some liquids took longer than others to freeze? Repeat the experiment with three new liquids to see if your hypotheses holds true!

Students must have the appropriate supervision for safety when completing these science tasks. Adult participation is required for safety when completing some of the science tasks. If you have any concerns with completing these science tasks, please don't attempt them.

Prompts for discussion:

- Our environment impacts our body's systems. This week we looked at the increased need to stay hydrated during the summer months. What other actions need to be taken during the summer months to ensure our body functions efficiently and remains healthy?
- If you are interested in historical buildings, do a little research! Have any other famous monuments been damaged and rebuilt using different architectural ideas or modern techniques and technology?

Grade 5



Social Studies

June 15 - June 19

Big Idea – People and Environments

Citizens and governments need to work together in order to be able to address issues effectively and fairly.

Option 1

Who are your representatives?

Find out who represents you. Visit the following websites to find your municipal/band council, provincial and federal government representatives.

- <https://www.ontario.ca/page/list-ontario-municipalities#section-3>
- <http://www.chiefs-of-ontario.org/interactive-map>
- <https://www.haudenosauneeconfederacy.com/government/current-clan-mothers-and-chiefs/>
- <https://www.ola.org/en/members>
- <https://www.ourcommons.ca/members/en/search>

Write down the name and contact information for each of your representatives.

Option 2

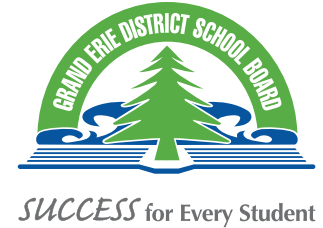
Issue Brainstorm

Think about an issue that you care about. It could be an issue affecting your neighborhood, community or city. Answer the following questions and gather any more information or ideas that you can about this issue.

- What is the issue?
- Who are the stakeholders?
- What are the different perspectives on this issue?
- What level of government is responsible for this issue?
- What are the effects of this issue?
- What are possible solutions?

Discuss the issue with your family to see if there are possible perspectives that you did not consider.

Grade 5



Social Studies

June 15 - June 19

Option 3

Write a letter

Write a letter or email to one of your elected representatives about the issue you care about using the information from your brainstorm.

Remember to include the following information in your letter:

- The issue
- Who/what is affected by the issue
- Why you care about this issue
- Possible solution(s) to the issue

Send your letter or email and wait to see if you receive a response.

Prompts for discussion:

- When and how should members of the community come together and make change?
- Why is it important to consider the perspectives of all stakeholders when trying to formulate solutions to problems?
- What are your responsibilities as a member of Canadian society?
- How can each person's actions help to protect and support others in our society?