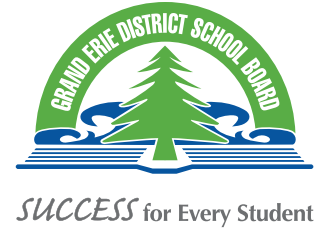


Grade 6



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

**Tuesday,
May 19**

Nutrition is very important, especially during this time. View this info graphic from Stats Canada:

www150.statcan.gc.ca/n1/en/pub/11-627-m/11-627-m2018002-eng.pdf?st=fej4efMS

What key information was shown in this info graphic? Did any facts surprise you or changed your thoughts on the topic? What do you think is the purpose of this infographic? Who would this be made for? How did the author use graphics to share the message? Is it a reliable source of information? What are the pros and cons to using this style of writing? What questions do you have about the topic?

**Wednesday,
May 20**

Locate more infographics to look at. They are frequently found in newspapers, magazines, game instructions, recipes, neighbourhood signs. Compare yesterday's info graphic to what you found today. Talk about what is similar? What is different? What are some common features that an infographic should have?

**Thursday,
May 21**

Using what you learned about info graphics, create a list of possible topics you might want to create your own info graphic about. What features would you need to include? Where could find data and facts on that topic? Then choose one topic. Plan and create a rough copy of your info graphic. Share your plans with a family member. Did they understand your message? Do you need to add more information?

Grade 6



SUCCESS for Every Student

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.

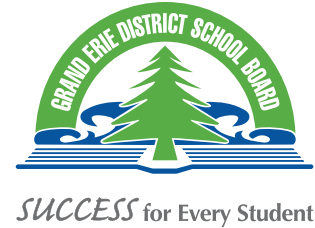
Date

Activity

**Friday,
May 22**

Today you will take the feedback from your family from yesterday and publish a final copy of your info graphic. Share it with family and friends if possible. Talk about the purpose of info graphics with family. Consider hanging it in your front window or mail it to a friend.

Grade 6



Numeracy Calendar

Date

Activity

**Tuesday,
May 19**

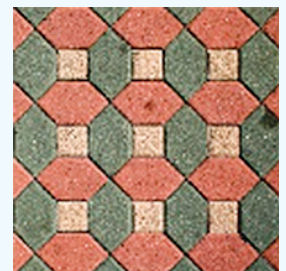
Over The Top is a game that can be played with a partner or on your own. Each player chooses a number between 0 and 600, which is their own target surface area* in square centimetres. Together, roll three dice, or one die three times. The digits rolled represent the length, width and height of a rectangular prism in centimetres. Together, calculate the surface area of the rectangular prism using the dimensions your rolled. If the surface area of the prism is greater than your own target, you score the number of points equal to your target number. If the actual surface area is less than your target, you do not score any points. The first player to reach 1000 points wins. If you are playing alone, see how many turns it takes to reach 1000 points. Consider finding a rectangular prism in your home such as a cereal or cracker box to help you visualize a rectangular prism.
*Surface Area – the total area of all the surfaces of a 3D object.

**Wednesday,
May 20**

Search for a *tessellation that uses rotations (turns), translations (slides) and/or reflections (flips). E.g.:

farm3.staticflickr.com/2265/2207257172_01352e662b_z.jpg

*Tessellation: A tiling pattern in which shapes are fitted together with no gaps or overlaps. A regular tessellation uses congruent shapes.



**Thursday,
May 21**

Which equation do you think doesn't belong?

$$3 \times a \div 6 = 5 \qquad 4 \times a + 52 = 92$$

$$3 + 18 \times a = 183 \qquad 3 \times a - 12 = 11$$

X represents multiplication in all of the equations and is not a different variable. Try to create similar problem with 4 different equations for someone in your family to solve.

Grade 6



SUCCESS for Every Student

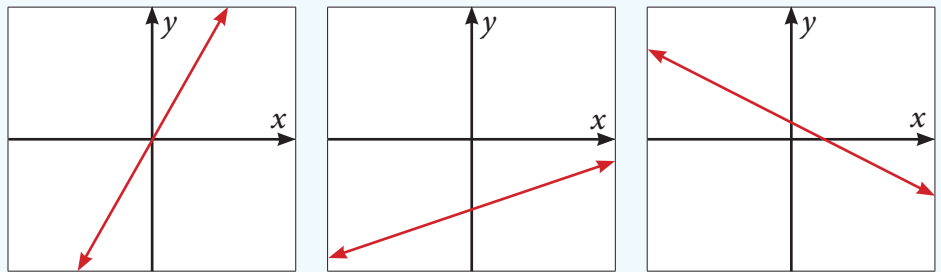
Numeracy Calendar

Date

Activity

**Friday,
May 22**

Which line graph would you say does not belong? Why? Does a member of your household have a different answer?



Sources:

Small, Marian. Math Up

Small, Marian. Leaps and Bounds. Grade 5/6

Small, Marian. Open Questions for the Three-Part Math Lesson. Measurement / Patterning and Algebra Grades 4-8

Small, Marion: Open Questions for the Three-Part Lesson; Number Sense and Numeration Gr. 4-8

Which Ones Doesn't Belong?; <https://wodb.ca/shapes.html> & <https://wodb.ca/graphs.html>

Ministry of Education: Ontario Mathematics Curriculum; Grade 1-8, 2005

<https://nrich.maths.org/eggsinbaskets>

<https://thelearningexchange.ca/wp-content/uploads/2017/01/Number-Sense-and-Numeration-1-3-Revised.pdf>

<https://mathclips.ca/swfPlayer.html?swfURL=tools/PatternBlocks1.swf&title=Pattern%20Blocks%2B>

Chain of Changes: <https://nrich.maths.org/221>

Three Block Towers: <https://nrich.maths.org/137>

<https://thelearningexchange.ca/wp-content/uploads/2017/01/Number-Sense-and-Numeration-1-3-Revised.pdf>

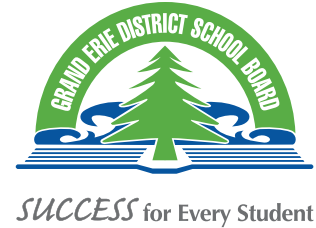
<https://oame.on.ca/eduproject/ontariomathedresources/files/Patterning%20and%20Algebra%20K-3.pdf>

Image of coordinate grid: <https://www.eqao.com/en/assessments/primary-division/assessment-docs/g3-geometry-spatial-sense-strand-2012-2016.pdf#search=geometry>

Four triangles puzzle: <https://nrich.maths.org/141>

Missing titles: <https://oame.on.ca/eduproject/ontariomathedresources/files/Data%20Management%20and%20Probability%20K-3.pdf>

Grade 6



Science

May 19 - May 22

Understanding Structures and Mechanisms – Big Idea:

Air has many properties that can be used for flight and for other purposes.

Option 1

Explore: www.wonderopolis.org/wonder/how-far-can-a-paper-airplane-fly and <https://www.wonderopolis.org/wonder/how-do-airplanes-fly>

What are the properties of air that can be used for flight?

Make 3 paper airplanes with different designs. Find a space inside or out to have each paper airplane take 5 test flights. Measure the distance each plane flies (use a measuring tool or a non-standard item). Graph your results. What plane flew the furthest? Why do you think it flew the furthest? How could paper airplanes help us understand how planes fly?

Option 2

Think about different animals or insects that fly (i.e., bats, bird, bees). What physical adaptations does that animal have that enable it to fly, or hover or even fly backwards? Draw a diagram of one of the animals and clearly label those adaptations in the diagram.

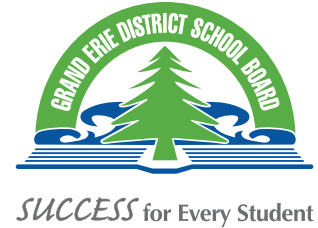
Option 3

How does flight work? What do the following terms mean in relation to flight? Would these be important when you design a kite? Explain how you would use this information to help you design a kite that flies better.

- Lift
- Drag
- Thrust
- Weight

Visit: <https://school.eb.com/levels/elementary/article/airplane/352719#236713>

Grade 6



Science

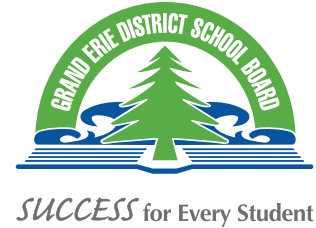
May 19 - May 22

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:

- What would you change or improve about your paper airplanes?
- Why do you think your airplane that flew the furthest did?
- What are some of the properties of air? How can those properties be used for flight?
- Explain how lift, drag, thrust and weight apply to commercial airliners

Grade 6



Social Studies

May 19 - May 22

Heritage and Identity – Big Idea:

By analyzing and interpreting, we can look at different historical perspectives.

Option 1

Visit: www.thecanadianencyclopedia.ca/en/article/red-river-rebellion

How could you use a cause (what event happened or was going to happen?) and-effect (what were the consequences of this?) organizer (two columns, one for cause and one for effect) to help you determine the impact of the Red River Rebellion (1869-1870) on different communities, including the Metis and the Canadian government? Can you give an example of how we might still see two communities of people with differing opinions in Canada today? Does this impact your life? How?

Option 2

Visit: www12.statcan.gc.ca/census-recensement/2016/dp-pd/dv-vd/imm/index-eng.cfm

Use the filters available on this page to explore the origins and distribution of Canada's immigrant populations over time. Use two headings (What do I notice? What do I wonder?) Fill in your what you notice and wonder as you explore. How could you find the information to answer what you wonder?

Option 3

Have a discussion with someone in your household about the different ways people are trying to stay healthy and active.

(Both mentally and physically.) Brainstorm a list of people, local groups, community organizations or others that have supports to help everyone stay healthy and active. What are some common messages or themes to these supports?

Grade 6



Social Studies

May 19 - May 22

Prompts for discussion:

- Think about then and now. Why is it important to investigate different perspectives?
- How does using visuals (graphs, charts, artwork, maps, etc.) help you notice and wonder about the past and present of Canada's identity?