

# 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                                                                                                                                                                                                                            |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Monday,<br/>April 20</b>    | <b>Describe a pet that you have or would like to have.</b> How and when did you get the pet? Then write an interesting story about you and your new pet.                                                                            |
| <b>Tuesday,<br/>April 21</b>   | <b>Read your favourite book today.</b> Talk about why this is your favourite book? Describe the characters and the story line. Who is your favourite character? Do you know the author or any interesting details about him or her? |
| <b>Wednesday,<br/>April 22</b> | <b>Talk with a family member or friend about what your dream job would be.</b> Why would do you think this would be the perfect job. If possible, interview a person who currently does this job.                                   |
| <b>Thursday,<br/>April 23</b>  | <b>Create a commercial for your favourite movie, game or book.</b>                                                                                                                                                                  |
| <b>Friday,<br/>April 24</b>    | <b>Describe your hero or someone you admire a lot.</b> What qualities does this person have? How can you try to be like this person?                                                                                                |

# Grade 5



SUCCESS for Every Student

## Numeracy Calendar

### Date

### Activity

**Monday,  
April 20**

You solve a problem involving the multiplication of 2 two-digit numbers, and the product is about 300. What might the problem be?

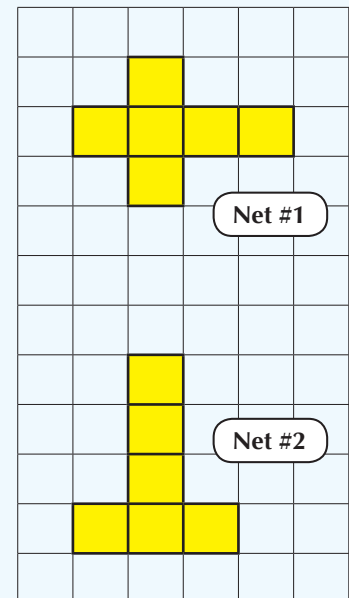
**Tuesday,  
April 21**

Look at a news article and an advertisement in either a newspaper, magazine or online. Consider for each item that you look at about what fraction of the area of the page is covered by pictures? What fraction of the area is not covered by pictures? Are these fractions the same or different? Why do you think that is? Tell someone your method for figuring out your fractions.

**Wednesday,  
April 22**

An electronics company is designing a new video gaming system and wants it to have a unique shape. The company is considering a square-based pyramid design, but wants to know what the packaging layout will be in order to determine costs. The company has asked for your help in determining all of the possible nets for packaging this square-based pyramid gaming system. How many nets can you sketch/create? It may be helpful to cut out a square and 4 triangles to rearrange.

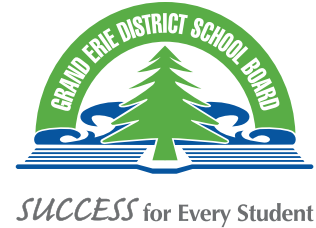
**Two examples of a cube net:**



**Thursday,  
April 23**

Find repeating patterns based on translations\* somewhere around you. Consider looking at items such clothes, wallpaper, bedsheets.  
\*Translation; also called a slide - an action that moves every point on a shape the same distance and in the same direction.

# Grade 5



## Numeracy Calendar

### Date

### Activity

**Friday,  
April 24**

**Fair or Unfair? (2 or more players):** You will need 2 dice. (If you do not have die, place 12 small pieces of paper in a container; 2 marked with a "1", 2 marked with a "2" and so on until you have 2 of each digit (1-6) in the container. Take turns rolling the dice (or pulling 2 numbers from a container).  
If the total roll is an even number, player A gets a point.  
If the total roll is greater than 7, player B gets a point.  
You can also make your own rules, especially if there are more than 2 players.  
Is this a fair\* game?  
\*Fair: Each player has an equal chance to win.  
Make a prediction about who you think will win the next game.

### Understanding Life Systems

#### Big Idea

The human body contains organ systems that work together and affect one another. For this week, choose one option below.

#### Option 1

##### Cardiovascular System Exploration

Your cardiovascular system is comprised of your heart and blood vessels. Its purpose is to allow blood to provide nutrients and oxygen to the tissues and to remove wastes from them.

##### How to measure your heart rate:

- find your pulse (on your neck or inside your wrist.)
- set a timer for one minute
- count the beats
- alternatively, you could count the beats in ten seconds and then multiply that number by six.

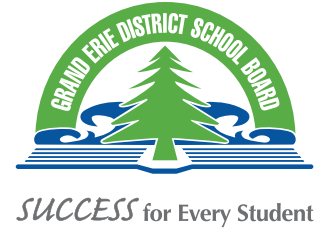
Find and record your heart rate before and after different activities, including an easy, moderate and difficult activity (e.g. sitting, eating, jumping):

1. Measure and record your heart rate
2. Perform the activity for a minimum of one minute
3. Measure and record your heart rate
4. Continue for each of the activities

You may want to track your heart rate throughout the day. What do you notice with your heart rate? Why do you think this is?

What other changes do you notice during and after performing the activities? Does your breathing change? Are you sweating? Why do you think this is?

# Grade 5



## Science

### Understanding Life Systems

#### Option 2

##### Exploring the Respiratory System

The respiratory system is your body's way of providing oxygen and expelling carbon dioxide for the circulatory system. When you breathe in, the air flows into your lungs.

Design an experiment to measure the capacity of your lungs.

For example, you could blow air into a balloon or bag and measure the circumference of the balloon. You could see how far you can blow a light object over a surface with one breath.

How will you track your results?

Complete the experiment on yourself and other family members.

What do you notice about the lung capacity of the different people?

What do you think affects lung capacity?

#### Option 3

##### The Musculoskeletal System

Watch the following 'muscle' video and read the information about muscles on Britannica (you can choose your reading level):

<https://school.eb.com/levels/elementary/article/muscle/353503>

Create a 2-column chart to record voluntary and involuntary muscle movements in the body.

### Questions to prompt discussion:

- How do systems in the body work together? For example, how does the musculoskeletal system work with the nervous system? The digestive system? The circulatory system?
- What can you do to keep musculoskeletal system healthy? How can you keep your circulatory system healthy? What about your digestive system? Your respiratory system?
- Can you name any common diseases and the organs or body systems that they affect? (e.g. asthma affects the lungs [respiratory system].)