

EMSB - Educational Services

High School Challenge Week 3

#stayathome



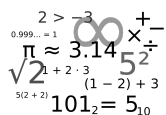
April 13, 2020



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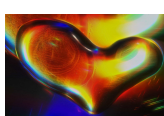
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English Language Arts

Writing Workshop: Where do ideas come from?

Where do writers get their ideas from? A really fun way to get lots of ideas is to play a [writing game](#). Another way to generate ideas and go deeper into your thinking is to do [quickwrites](#)!

To inspire, watch the following [video](#)!



Français

Vos fruits et vos légumes ont-ils poussé sur les toits de Montréal?

Visionnez [le documentaire](#).

Vous passez beaucoup plus de temps sur Internet, en ce moment : connaissez-vous vos droits?

Faites [le test](#)! Quelles sont [les réponses](#)?

$$\begin{array}{c}
 2 > -3 & \infty & + - \\
 0.999\dots = 1 & & \times \div \\
 \pi \approx 3.14 & & 5^2 \\
 \sqrt{2} & 1 + 2 \cdot 3 & (1 - 2) + 3 \\
 5^{(2 + 2)} & & 101_2 = 5_{10}
 \end{array}$$

Math

Take the challenge!

The [problem of the week](#) and the answer keys for all levels are designed to provide students with an ongoing opportunity to solve mathematical problems.

A good problem forces students to consider the problem, make choices about what mathematical knowledge is needed to solve the problem, carry out the necessary steps, and then explain why their answer makes sense.



Physical Education and Health

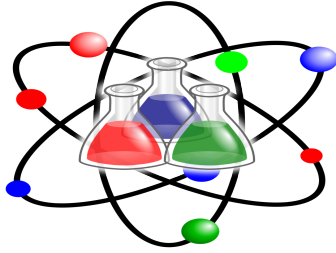
How Physically Educated are YOU?

Go on a GooseChase to find out!



Steps to Mission Completion:

1. Download the [GooseChase](#) scavenger hunt app (available Android or iOS - Free).
2. Choose to play as a 'guest' - no login or account needed.
3. Search by game name "How Physically Educated are YOU?!" or search by game code. ***IMPORTANT***. **Each grade level has their own game**, so choose the game labelled for your grade level. The name and game codes are:
How Physically Educated are YOU?! Sec 1 Health Heroes (code GZPEXE)
How Physically Educated are YOU?! Sec 2 Wellness Warriors (code WKJLWR)
How Physically Educated are YOU?! Sec 3 Active All-Stars (code 8ZRWP3)
How Physically Educated are YOU?! Sec 4 PE Powerhouses (code M4LPVJ)
How Physically Educated are YOU?! Sec 5 Expert Exercisers (code ZDG6ZX)
4. Select "join the game"
5. Enter the password **EMSBPEH**.



Science & Technology

Imitation: The Sincerest Form of Flattery

You have probably heard of mechanical, chemical, and civil engineers. But have you heard of biomimicry engineers? Let's explore how [mimicking nature](#) may hold possible answers for our future.

Traduction française

L'imitation est la plus sincère des flatteries

Tu as probablement entendu parler des ingénieurs mécaniques, chimiques et civils. Mais as-tu entendu parler des ingénieurs en biomimétisme ? Explorons comment [l'imitation de la nature](#) peut apporter des solutions pour notre avenir.



Social Sciences

Financial Education:

Renting vs. Buying

There are many financial decisions you will have to make over the course of your life. One of them involves getting your own place to live. But is it better to rent an apartment, or buy a house?

Check out this [video](#):

And then fill out this [spreadsheet](#) to help you weigh your options. The decision may not be as easy as you think...



History/Histoire IV

Demographic Changes in Quebec

Recently, Quebec’s workforce has been getting older, which means less and less people are working. This represents a problem for the economy. Here is an [article](#) from the Montreal Gazette about this.

This isn’t a new problem in Quebec. It began in the 1980s. Do this [activity](#) to learn a little about Quebec’s workforce in the 1980s.

Changements démographique au Québec

Récemment, la main-d’œuvre québécoise vieillit, ce qui signifie que de moins en moins de personnes travaillent. Cela représente un problème pour l’économie. Voici un [article](#) de Radio-Canada à ce sujet.

Ce n'est pas un nouveau problème au Québec. Cela a commencé dans les années 80. Faites cette [activité](#) pour en savoir un peu plus sur ce qui affecte la population active au Québec.

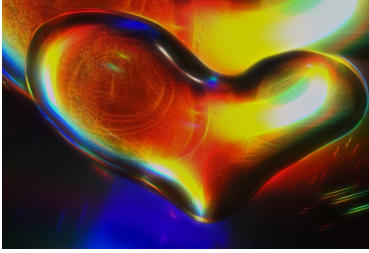


Ethics and Religious Culture

Neighbourhood Walk

Religious expression is all around us this April. Come to think of it, religious expression is all around us all the time, if we choose to look. Check out these [examples](#) taken around Montreal and Quebec City.

Now take a walk around your own neighbourhood, (maintaining a safe distance from others) and look for similar examples: houses of worship, statues, street names, etc. Bring your phone and make your own photo montage of religious expressions near you!



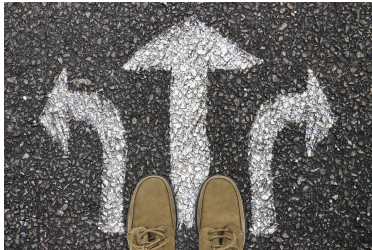
Arts Education

Artistic Inspiration: Muses

Did you know that the word museum comes from the idea “Seat of the Muses”? But who are the Muses?

In Ancient Greek mythology, the Muses were nine sisters who discovered and protected arts and science. It is said that these deities inspired many artists, writers, and philosophers. Throughout history you can see the Muses portrayed in various works.

Complete this [activity](#) to see how the Muses have been portrayed throughout different points in history and discover other muse-artist relationships.



Career Exploration

What's a Perfusionist?

There are many important and interesting careers that often don't receive the same attention as other careers in their field.

Take a moment this week and learn about Perfusionists and the vital role they play in many people's lives.

This [printable worksheet](#) could be used to note what you may already know about the career, what you would like to learn more about, and your conclusions.



Digital Citizenship

Digital Empowerment

How do you know if what you see online is true or not?
Do you know where the information you receive comes from?

Take on this [challenge](#) to find out...



E.P.I.C Challenge

Educational Personal Innovative Challenge

What inspires you to make change?

With all of the problems in the world today, what problem do you think you could fix? Check out these [ideas](#) for inspiration.

What new technology or innovation could be created to address these problems?

Sustainability is the key to a better future, but how do we get there?

If you're inspired to make a difference, share your ideas [here](#).