





Monday Activities	
 Let's Explore Literacy	<p>Working towards a Dream Your dream may be to go to camp, to be a star on the basketball court, to be class president, or to go to college someday. Whatever it is, hard work and luck can help you fulfill that dream. But along the way, you may encounter obstacles that block your progress.</p> <p>QUICKWRITE: What obstacles might you encounter while working to make your dream come true? In your journal, write one or two ways to overcome each obstacle.</p>
 Let's Explore Math	<p>Suppose that there is a startup music company called Sparsify. Right now, their library contains only 8 loyal users and 16 songs, spanning 9 artists and 5 genres in total.</p> <ul style="list-style-type: none"> • User 1: Likes songs 1, 2, 7, 8, 9; dislikes songs 3, 4, 5, 11, 15 • User 2: Likes songs 2, 4, 7, 8, 13; dislikes song 1 • User 3: Likes songs 6, 10; dislikes songs 8, 9, 11, 13, 14 • User 4: Likes songs 4, 5, 6, 10, 11, 12, 14, 16 • User 5: Likes songs 11, 12, 13, 14, 15; dislikes songs 1, 2, 3, 4, 5 • User 6: Likes all songs except for 7 and 13 • User 7: Doesn't rate any songs • User 8: Like songs 2, 3, 4, 7, 8, 9, 11, 13, 15, 16; dislikes 1, 5, 6, 10, 12, 14 • Song 1: Genre 2, features artists 2 • Song 2: Genre 2, features artists 3 • Song 3: Genre 3, features artists 4 and 7 • Song 4: Genre 1, features artists 1 • Song 5: Genre 4, features artists 8 • Song 6: Genre 4, features artists 8 • Song 7: Genre 2, features artists 5 and 6 • Song 8: Genre 3, features artists 5 • Song 9: Genre 3, features artists 6 • Song 10: Genre 1, features artists 1 and 6 • Song 11: Genre 1, features artists 2 and 9 • Song 12: Genre 1, features artists 9 • Song 13: Genre 5, features artists 7 • Song 14: Genre 2, features artists 4 • Song 15: Genre 5, features artists 3 • Song 16: Genre 3, features artists 1, and 4 <p>1. Determine if song 6 should be recommended to User 1.</p> <p>2. (a) If you absolutely had to recommend something to User 7, what would you choose, and why?</p> <p>(b) Can you think of other types of data we might be able to collect on User 7? How could we use that to give them recommendations?</p>



Let's Explore
Art and
Movement

Movement Calendar

1. Create a list of movements, exercises, dance moves, dunks, swings, balances, clapping (etc.)
2. Once a day select some of the movements and spend 20 minutes engaged in some fun moves!



Tuesday Activities



Let's Explore Literacy

Word Work:

1. Write a definition for the following words:

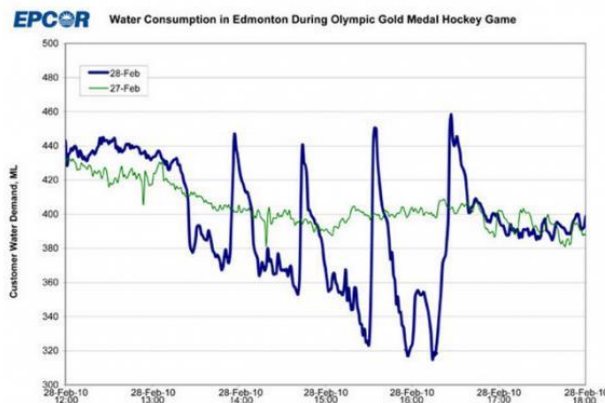
- agile
- dismay
- falsify
- despair
- eavesdrop
- vile

2. Write a story about a character who successfully overcomes a challenge. Be sure to use each word from your vocabulary list above.



Let's Explore Math

1. What could go wrong in a city if its demand for water can't be met?
2. How can a city ensure that it can meet its demand for water all the time?
3. The graph shows the use of water in Edmonton on two days in February 2010.



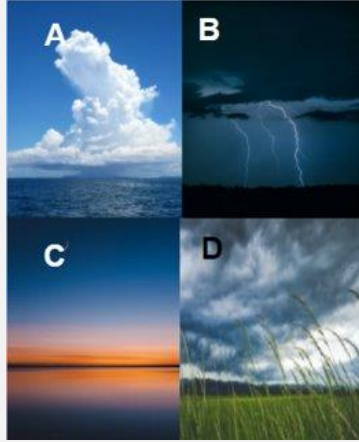
- (a) What is different about the way water was used on Feb. 27 and Feb. 28?
- (b) Approximate the total water used on Feb. 27 between 12:00 and 16:00.
- (c) By visual estimate, how does the total water used on Feb. 28 compare to Feb. 27?
- (d) In the graph, the vertical axis begins at 300 ML/min, rather than at 0 ML/min. How do you think the look of the graph would change if its scale went from 0 to 500 ML/min rather than from 300 ML/min? Why do you think it was presented this way? (e) What might be the reason that the use of water was so unusual on February 28?



Which image below best represents how you are feeling right now? Why? What title would you give the image?



Let's Explore Art and Movement



Stems:

- The image that best represents my feelings is... because....
- The image of the resonates with me because....
- The title I give it is ...



Wednesday Activities



Let's Explore
Literacy

Media Literacy: Campaign Promise

Read the Article **Mayoral Pledges**

What are the 3 considerations described in this article when critically examining political campaign promises?

Research political campaigns from a recent election (municipal, provincial, or national) and complete this chart:

Candidate	Position for the campaign	Promises	How credible is this promise? Why?

If you are running for a position as the Student Leader Representative for your school, what campaign promises will you make? Create a campaign poster that includes: a picture and at least 3 promises.

Wednesday Literacy Article
[MUNICIPAL ELECTION](#)

Mayoral pledges: small businesses, daycare and 311 service inspire campaign promises from leading contenders

Andrea Horwath, Bob Bratina and Keanin Loomis compete for spotlight in final municipal election stretch.

By [Teviah Moro](#) Spectator Reporter
Fri., Oct. 14, 2022

Mayoral candidate Andrea Horwath says the city must do more to support Hamilton's small businesses



That includes making special efforts to support those owned by Black entrepreneurs and other equity-seeking groups.

Small businesses have complained about delays in receiving permits and licences, Horwath said at a Concession Street juice bar Thursday.

The online process must be “made easier and more swift.”

Mayoral candidate Andrea Horwath speaks about her plans to support small-businesses, including Black entrepreneurs. She made her campaign announcement Thursday at the Juice Kitchen, which Mouhamadou Taffa, and

his wife, Afiya Myrie, operate on Concession Street. **THE HAMILTON SPECTATOR**

If elected Oct. 24, Horwath said she’d commit to creating four “buy-local-themed” events a year to drive more customers to Hamilton businesses.

“We have to acknowledge that the Black-owned businesses particularly face barriers that other types of businesses don’t face,” she said.

To help them succeed, she’d establish an advisory committee to learn of ways the city can help support equity-seeking entrepreneurs, said the former Ontario NDP leader and Hamilton Centre MPP.

Such an advisory committee is “long overdue,” said Mouhamadou Taffa, who opened the Juice Kitchen with his wife, Afiya Myrie, five years ago.

“When we first opened, we didn’t know anything, so it took us a long time,” Taffa said.

It can be difficult for budding Black business operators to navigate the city’s approvals system, he said.

“And that’s a loss for the city. It’s a loss for the community.”

‘Families in the lurch’

Hamilton families are waiting too long for too few daycare spots.

That’s what mayoral candidate Bob Bratina says he’s learned that from doorstep conversations on the campaign trail.

“So my goal as mayor will be to have the city operate at least one child-care centre in each of the 15 wards.”

Not enough child-care operators have signed up for the federal government’s \$10-a-day program, “leaving too many of our families in the lurch,” Bratina told reporters Wednesday.

The Red Hill Family Centre near the parkway in Ward 5 is an example of what the city should replicate across Hamilton, he said outside the Mount Albion Road building.

Bratina proposes to repurpose “underutilized community centres” and other municipal buildings to create 14 additional city-operated child centres in Hamilton over the next four-year council term.

The former Liberal MP and one-time mayor said he didn’t have an estimate on how much it might cost to operate the additional daycare centres.

“No, I haven’t ball-parked any costs.”



The gross annual operating cost of the Red Hill Family Centre is \$2.68 million, Jessica Chase, the city’s director of children’s and community services, said in an email.

Factoring in provincial funding and parental-fee revenue, the net tax levy cost to operate the city’s only directly-operated child-care centre is \$328,000 a year.

Bratina said he’s “found the money in the past for things,” pointing to an unused brownfield grant that led to the Beasley Community Centre.

The city has wasted millions of dollars, including on the estimated \$26-million judicial inquiry into a buried Red Hill Valley Parkway friction report, he added.

Dial 311?

Want to report a pothole? How about an unplowed street?

Mayoral candidate Keanin Loomis says he has a solution for that.

If elected, he’ll pursue a 311 service for Hamilton residents, Loomis announced this week at Sam Lawrence Park on the Mountain Brow this week.

As it stands, the city offers a phone line — 905-546-CITY — for residents to alert staff to issues.

But Loomis said 311 — which other large cities already have — will “modernize the process” and expedite responses.

“Our vision for 311 isn’t just a phone number,” the former Hamilton Chamber of Commerce leader said in a news release. “It’s also an app and website, where residents can log their issue, receive a ticket number and trace that issue through its completion.”

The service is “something that most people are clamouring for” given the taxes they pay in Hamilton, Loomis said during a mayoral debate hosted by the Durand Neighbourhood Association on Thursday night.

“It is 2022. That is not a new idea,” he said.



Let’s Explore Math

A 1,000 km by 600 km rectangular area within international waters must be monitored for tsunamis. Suppose a tsunami detector can monitor a circular area within a radius of 200 km.

Create a 6x10 grid to represent 600kmx1,000km

On the grid, do the following:

(a) Determine a way to arrange 12 tsunami detectors so that the entire rectangular area is within range of at least one detector.

(b) What percentage of the rectangular area is within range of exactly one detector?



Let's Explore Art and Movement

Read the article about the artist Morrisseau here:

The Four R's of Morrisseau

[Tara Ng](#)

- March 1, 2019

During the 1980s, celebrated Anishinaabe artist Norval Morrisseau (1931–2007) painted animated scenes of animals, plants, fish, Anishinaabe figures, and other forms of creation living harmoniously on the astral plane. These pictures represent the astonishing visions the self-professed shaman artist experienced during his travels beyond the earthly realm. The exhibition [Norval Morrisseau](#) here at the Art Gallery of Hamilton explores Morrisseau's role as a shaman artist whose visions encourage positive environmental and cultural change based on the traditional Anishinaabe values of respect, reciprocity, relationships, and responsibility.

RESPECT

The Anishinaabeg understand respect as the recognition that all of creation is spiritually connected. In *Children with Tree of Life* (ca. 1980–85) (fig. 1), bears and birds have gathered around three Anishinaabe children as they study a tall, blossoming plant. Gazing at the tree of life, the children are practicing silent observation. Silence encourages looking and listening to the natural world, which in turn fosters spiritual connections.^[i]

RECIPROCITY

Reciprocity between living beings is defined as the practice of exchanging things with others for mutual benefit and is fundamental to achieving a balanced and sustainable environment. Inspired by symbiotic relationships in nature, Morrisseau's lively *Floral Theme in Two Parts* (ca. 1980–85) (fig. 2) is a symmetrical diptych of purple and yellow birds resting on a plant bearing red flowers and berries as butterflies flutter in the air. Morrisseau's use of symmetry and complementary colours creates a strong sense of balance in this work.

RELATIONSHIPS

The traditional value of relationships speaks to the interconnectedness of all creation.^[ii] The Anishinaabeg express their holistic understanding of the world through the motif of the circle, which often appears in Morrisseau's work. *Life Cycle* (ca. 1980–85) (fig. 3) shows an intimate gathering of spirit animals connected both physically and through communication lines. Forming an all-encompassing circle, the communication lines illustrate that all living beings are responsible for maintaining relationships with each other as they journey through the cycle of life together.

RESPONSIBILITY

Within the Anishinaabe tradition, responsibility means using one's gifts and abilities to benefit the entire community and the earth.^[iii] Traditional Anishinaabe education fosters this cultural value through role modelling and oral teaching.^[iv] *Shaman and Apprentice* (ca. 1980–85) (fig. 4) depicts two



spirit figures facing each other as they float in a serene, celestial space. The apprentice on the right is watching the shaman demonstrate his remarkable powers of transformation. This painting reinforces the importance of imparting knowledge to younger generations.^[v]

Fostering traditional Anishinaabe values, Morriseau's art invites us to imagine, and to transform into reality, visions of a more balanced and sustainable world—one that supports the transmission of Indigenous knowledge, the quality of life of present and future generations, as well as Indigenous rights, identity, and cultural practices.

Look at Anishinaabe artist, Norval Morriseau's work entitled "Children with Tree of Life."



Fig. 1. Norval Morriseau (Anishinaabe 1931–2007), *Children with Tree of Life*, ca. 1980–85, acrylic on canvas, 132.7 x 189.2 cm, Gift of Mr. Nicholas John Pustina, Mr. Robert Edward Zelinski, and Mr. Kenny Alwyn Whent, 1985.

Explore the work using guiding questions:

- What objects do you see in the work of art in front of you?
- What is going on in this work of art? Share whatever you see happening, no matter how small.
- Does anything you have noticed in this work of art so far (colours, objects, or events) remind you of something in your own life?
- What ideas and emotions do you think this work of art expresses?
- How does Morriseau's art foster and express the traditional Anishinaabe value of Respect?
- How can art be seen as a visual metaphor?
- How can an object represent an idea, a concept?
- How do the arts allow a culture to define its identity and communicate it to others?

This artwork is part of the AGH's permanent collection. Use the link to explore more of Morriseau's works. Click >> [HERE](#)



An extension might be to conduct research about the Indigenous Group of Seven.



Thursday Activities



Let's Explore Literacy

No matter how good an offer sounds, it is important to read the fine print and figure out exactly what your costs will be. This way you will know what to expect and you won't get ripped off.

Watch the Fine Print video and complete the Fine Print Lesson activities.

FINE PRINT

No matter how good an offer sounds, it is important to read the fine print and figure out exactly what your costs will be. This way you will know what to expect and you won't get ripped off.

In this lesson you:

- Read the fine print in different ads
- Analyzed the fine print and decided if the offer was a good deal
- Used math to figure out the true cost of an offer

On your own:

- Look at lots of newspaper ads or online ads.
- Read the fine print in all of them.
- Decide which ones are good deals, and which ones are faking it.
- If a deal sounds too good to be true...it probably is. Always read the fine print—details about the offer that are usually in tiny type—to find out what the ad is really offering.

[READING3_A1Q1.PNG](#)

-
- Look at the ad for the Big Shoe Sale. Select the details in the fine print that you need to remember when you go to the store.
- If a deal sounds too good to be true...it probably is. Always read the fine print—details about the offer that are usually in tiny type—to find out what the ad is really offering.

[READING3_A1Q2.PNG](#)

-
- Look at the help wanted ad. Select the details in the fine print that you want to know more about before you apply for the job.



If a deal sounds too good to be true...it probably is. Always read the fine print—details about the offer that are usually in tiny type—to find out what the ad is really offering.

Select the details of this ad that you should check out before you buy this TV.

Big Shoe Sale!

Buy 2 pairs, get 3rd free

3rd pair must be less than the 2 purchased pairs
Offer applies to sandals only
Valid 8/9-8/15
Not available at downtown store

Tired of the office?

Stuff envelopes at home

Own Pace • Easy Money • Own Hours

Call to get your starter kit now

Have credit card ready
Postage deducted from paycheck
1,000 envelope/day minimum



Don't miss out!
Own your own flat screen TV
for as little as \$600.

No money down
No Payments for 6 months
Low, low interest rates

In this lesson you:

- Read the fine print in different ads
- Analyzed the fine print and decided if the offer was a good deal
- Used math to figure out the true cost of an offer

On your own:

- Look at lots of newspaper ads or online ads.
- Read the fine print in all of them.
- Decide which ones are good deals, and which ones are faking it.

Extension if there's time:

Create an ad for a product of your choice and include fine prints



Let's Explore Math

How does the length of a string affect its sound? When playing a guitar, the guitarist places their fingers higher and lower along the guitar to produce different notes. Similarly, in a grand piano, the length of strings in the piano changes as you go up the keyboard.

What you will observe if you look inside a grand piano, or watch a guitarist's fingers, is that the shorter the string, the higher the note produced. Shorter strings have a higher frequency. The case is similar for wind instruments. We can try the following experiment using two straws, courtesy of Scientific American.

- Cut one of the two drinking straws so that it is half the length of the other straw.



- Take one of the straws and flatten about one inch at one end of the straw. You can use your teeth or pinch it between your fingers or fingernails to flatten it.
- On the same straw, use scissors to make two small, angular cuts, one on each side of the flattened end. This should make the end of the straw be similar to a “V” shape when flattened, but without a pointed tip at the end (the end should have a short, flat, uncut segment left).
- Repeat this with the other straw so that both have small, angular cuts on one end.
- Insert the cut end of the longer straw into your mouth. Position the cuts so they’re just inside your lips. Then curve your lips down and inward a little and apply light pressure on the straw with your lips.
- Blow through the straw. You may need to move the straw around slightly to locate the best position for creating your musical note. It might take some practice and repeated tries to produce a constant, single note.
- Now blow through the shorter straw using the same method. Again, you might need to try blowing through the straw a few times to make it produce a constant, single note. You should notice that the shorter straw produces a note that is higher than the one produced by the longer straw. In fact, since the short straw is exactly half the length of the long straw, you are producing a note that is twice the frequency - an octave higher!

Experiment with different lengths to make different notes. Write the dimensions of the different lengths in a table.



**Let's Explore
Art and
Movement**

NAME, PLACE, ANIMAL, THING – Family Theatre Game

1. Everyone in the family must write down a Name, Place, Animal, and Thing that starts with that letter. (Example: “R” Name, Place, Animal, and Thing Rachel, Rome, Rhino, Rolex)
2. With another person try to carry out an improvised scene that must include the four selected words on the list
3. The goal is to incorporate the 4 words naturally in the scene and have fun!



	<h2>Friday Activities</h2>
<div style="text-align: center;">  <p>Let's Explore Literacy</p> </div>	<p>Word work: Vocabulary studies: Define the following words:</p> <ul style="list-style-type: none"> •Receding •Disarming •Imprudent •Surmounted •Diverting •Protruding <p>Write a poem or short story including the words above. Use a theme of screentime or social media.</p>
<div style="text-align: center;">  <p>Let's Explore Math</p> </div>	<p>Using only the digits from 1-9 and standard arithmetic symbols (addition, subtraction, multiplication, division), try to represent the number 100 as many times as you can.</p> <p>Eg.</p> <p>$9 \times 9 + 9 + 6 + 4 = 100$ $9 \times 9 + 9 + 5 + 5 = 100$ $2 \times 9 \times 5 + 9 + 1 = 100$</p>
<div style="text-align: center;">  <p>Let's Explore Art and Movement</p> </div>	<p>Listen to the Hamilton Philharmonic Orchestra (HPO) play Vivaldi's The Four Seasons: Spring. Click on the link >> HERE</p> <div style="text-align: center;">  </div> <p>Guiding questions: What type of music have you been listening to lately? What experiences have you had with live music? What images and thoughts come to mind while listening to this peice?</p>



If you were writing the script for a movie using this music, what might the movie be about?
Have you heard this music before and if so, where? What do/did you like most about this music? Least?