

Big & Small

Today we will be exploring all things big and small!!!



Asynchronous Learning Tasks

Grade 7
Grade 8



Would You Rather Writing

A 'Would You Rather' question is a great way to think critically about two different options for you to choose from. Read through each option and decide on one you would like to answer.

Would you rather...

1. volunteer for a local charity on a regular basis or donate a million dollars to a charity of your choice?
2. be unable to use search engines or social media?
3. be an Instagram influencer or YouTube famous?

Préfères-tu...

1. être bénévole (volunteer) pour une organisation locale ou donner un million de dollars à cette organisation?
2. être pas capable d'utiliser un 'moteur de recherche' (search engine) ou les médias sociaux?
3. être un influenceur d'Instagram ou un célèbre sur YouTube?

Writing Checklist

- Begin with a topic sentence (I would rather/Je préfère...)
- Include 2-3 sentences to support your answer
- Write a conclusion
- Check for capitals, periods, punctuation, and spelling



If the World Were a Village - A book about the World's People by David J. Smith

By exploring the lives of 100 villagers, you will discover that life in other nations is often very different from what we experience.

Question for Discussion - What was your biggest learning from this book?



Big & Small



Find something that is half your height.	Find something that is two times your height.	Find something that is around 5 mm.	Find something that has the same circumference as a garbage can.
Find something that has about the same volume as one metre cubed.	Find something that is about 1km long.	Find something that is about 1kg.	Find something that is about 100kg.
Find something that is about 500 grams.	Find something that is as long as a school bus.	Find something that has an area of one meter squared.	Find the smallest thing possible.

Go on a scavenger hunt around your house for big and small things. See if you can find all of the things in the chart. You can click on the table and print a copy if you have a printer.
No measuring tools allowed!

Have fun!



About how many breaths have you taken in your lifetime?

Solve this "Really Big" problem on paper. Be sure to show your work and be prepared to explain your thinking when you are with your classmates.



Round & Round

Today we will be exploring all things round!!



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Would You Rather Writing

A 'Would You Rather' question is a great way to think critically about two different options for you to choose from. Begin by reading the questions with your child and discussing both options. Communicate your thoughts in whichever way you choose (i.e. pictures, words, sentences or paragraph).

Would you rather...

1. live in a house shaped like a circle or triangle?
2. be able to see things very far away (like binoculars) or up close (like a microscope)?
3. text or read very fast?

Préfères-tu...

1. vivre dans une maison en forme de cercle ou triangle?
2. être capable de voir les choses très loin (comme des jumelles - binoculars) ou très proche (comme un microscope)?
3. texter ou lire très vite?



The Sharing Circle - Stories about First Nations Culture by Theresa Meuse

Through the use of seven brief stories about a young First Nation boy and his family, the author introduces information about the Eagle Feather; Sweetgrass, Sage, Cedar, and Tobacco; Medicine Pouch; Dreamcatcher; The Talking Circle; The Medicine Wheel; and the Drum. Enjoy the story, The Eagle Feather.



Question for discussion: What is something new that you learned?

#MathArtChallenge



James Brunt artist
@RFJamesUK

The *Math Art Challenge* was created during online learning in the spring. It became a trending topic in the virtual education world! Many DSBN students participated in this popular challenge. You can check out many examples on Twitter by following the hashtag "#mathartchallenge". James Brunt is an artist who takes loose parts and arranges them into perfect circles, creating beautiful works of art, as you can see in the picture to the left.

Use James Brunt's work as inspiration, find loose parts or similar found objects from around your house to create your own circle art! Take a photo and you will have a chance to share with your class in the coming days.

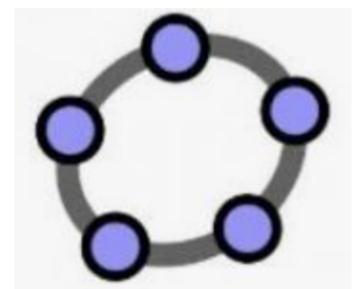
TECH — CHALLENGE

Using [Geogebra](https://www.geogebra.org/m), see how close you can get to making a circle! (without using the circle button!)

Remember: When setting up your workspace, go to settings (gear in the upper right corner) and click:

- Show axes
- Show grid, both major and minor
- Snap to grid

Have fun!

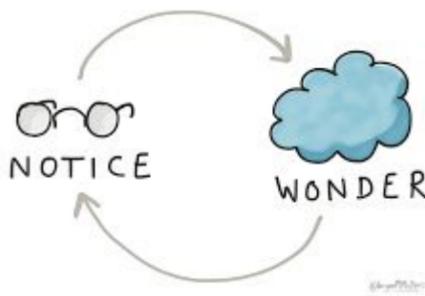


Some students may have access to Dreambox from last year. If you are one of those students login and complete some lessons! *If you don't have access don't worry... [give this a try!](#)



Notice & Wonder

Today we will be looking closely and thinking deeply



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Grade 8



Would You Rather Writing

A 'Would You Rather' question is a great way to think critically about two different options for you to choose from. Read through each option and decide on one you would like to answer.

Would you rather...

1. stay in the International Space Station or an underwater hotel for a week?
2. meet your favourite celebrity or be on TV?
3. be a babysitter or a dog sitter?

Préfères-tu...

1. rester à bord de la Station Spatiale Internationale ou dans un hôtel sous la mer pour une semaine?
2. rencontrer une grande vedette ou être dans une émission de télévision?
3. être un gardien/une gardienne d'enfant ou de chien?

Writing Checklist

- Begin with a topic sentence (I would rather/Je préfère...)
- Include 2-3 sentences to support your answer
- Write a conclusion
- Check for capitals, periods, punctuation, and spelling



Curiosity - The Story of a Mars Rover by Markus Motum

How did *Curiosity* get her name? What tools does she use to carry out her tasks? In her own voice, the popular NASA rover tells how and why she traveled more than 350,000,000 miles to explore a planet no human has ever visited . . . and what she's been doing there.

Question for discussion: What is something new that you learned?

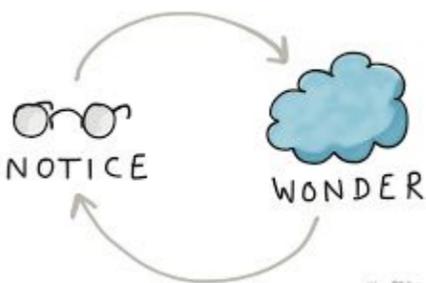
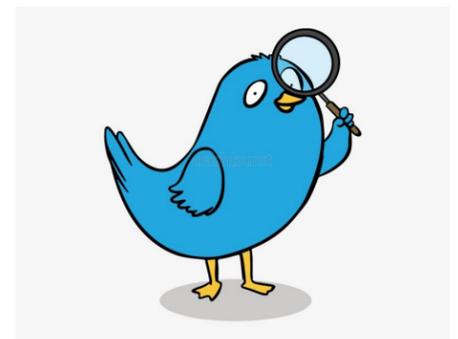


Go for a Math Walk!

Go for a walk around your neighbourhood with an adult (or around your backyard if by yourself) and look for math all around you! Pay attention to things in nature, architecture and what's in the sky and on the ground!

Some examples include:

- Find a pattern
- An example of symmetry/reflection/rotation/translation
- A set of parallel lines, complementary/supplementary angles
- A structure that is 2x your height/5x your height



Discussion prompts:

Which pattern do you like the most? Why?

Which pattern would be the easiest to describe? The most challenging?

Create your own clothing pattern (on tech or with pencil crayons)

Reference -

<https://www.ivandpearlboutique.com/fashion-and-news/fashion-school/fabric-and-textile-pattern-encyclopedia-complete-pattern-dictionary-illustrating-the-various-types-of-patterns-used-in-fabric-textile-and-clothing-design/>