



## Week 4: September 26th-30th Monday's Activities

### Theme: Life is a Mystery

#### Story of the Week

##### [Nancy Drew and the Clue Crew Volume 1: Small Volcanoes](#)

Nancy Drew decides to build a model of a volcano for her science project. Best friends George (Georgia) Fayne and a gungho Bess Marvin arrive to help. But, the next day, their teacher Mrs. Ramirez opens the door to find all the volcanoes missing. Why are they missing? Is it an actual crime or a prank? And who did it? Nancy Drew, with the help of Bess and George, is on the case!

#### Let's Explore Literacy

Inferencing is the process that the reader must go through to understand the meaning of what is written and what the writer meant. For example, if a text says "It was fall, and winter was coming soon", this implies that the leaves were changing colours and falling off the trees. The weather was becoming cooler and school has started again.

Read the following short passage and explain what you infer beyond what's written.

Passage: When people inhale polluted air, harmful materials called pollutants enter their bodies. Regularly breathing certain pollutants increase a person's chances of developing certain diseases, such as lung cancer and emphysema. Polluted air can also make diseases such as allergies, asthma, colds and pneumonia more severe. What did you infer?

#### Let's Explore Math

A flock of geese are on a lake.

$\frac{1}{5}$  of the geese fly away.

$\frac{1}{8}$  of the remaining birds are startled and fly away too.

Finally, three times the number that first left now fly away.

Twenty-eight geese are left on the lake.

How many were there to begin with?

#### Let's Explore Art and Movement

##### Collaging Challenge

Collaging allows for bringing different symbols and images together in way that illustrates new relationships and connections.

The video below is from McMaster Children & Youth University (MCYU). It shows how to make a collage using at home materials. <https://video.link/w/tJb1cYour>

Your challenge is to make a collage that represents what you envision for a bright future. Get creative!



## Week 4: September 26th-30th Tuesday's Activities

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#### Let's Explore Literacy

In the last activity, you had some practice with inferring. Making strong inferences is key to solving mysteries – even the basic everyday ones! Try again with this new passage below:

Smokers may use many different methods to stop. Some smokers may smoke fewer and fewer cigarettes each day until they have stopped altogether. Other people use a set of special filters, each of which takes a little more nicotine from the smoke. Other people are able to stop smoking all at once and never smoke again. In time, they find that the desire goes away.

What can you infer from this passage?

#### Let's Explore Math

An assortment of 1st floor people and 2nd floor people are living in a retirement complex.

$\frac{2}{5}$  of the first floor are related to  $\frac{3}{4}$  of the second floor.

How many first floor people might there be?

How many second floor people?

How many different answers can you find?

#### Let's Explore Art and Movement

Why does exercising make you feel good?

Let's explore the different happiness chemicals we experience when we exercise and play "Name that Happiness Chemical!"

Watch this video to learn about dopamine, serotonin and endorphins that are released when you exercise.

<https://video.link/w/AZb1c>



## Week 4: September 26th-30th Wednesday's Activities

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#### Let's Explore Literacy

Day in the Life: Photo Essay

As the name indicates, for this project you will photograph someone for a whole day (but feel free to do it for an even longer extended period if you want).

You'll follow a friend or family member around for the day, photographing whatever they do. You may choose to document a day in the life of a pet as well. Of course, you can set some things up, but for the most part, try and capture their day and their activities as they unfold naturally.

Choose 5-7 images that accurately portrays your subject's day, and write a caption explaining that part of the day for each image. Be sure to include:

- A portrait of your subject
- A photo that establishes setting
- Candid images that documents their actions

#### Let's Explore Math

Grannie Stitchwork made 20 teddy bears each month to sell in the local toyshop.

She received a monthly delivery of 6 square metres of fur material, 5 kg of stuffing, 4metres of coloured ribbon for bow ties and 40 special eye buttons.

She made 20 identical teddies. The teddies sold well but customers were asking for teddies twice the size, so Grannie was asked to make 20 large teddies for the following month.

Always obliging, Grannie Stitchwork immediately doubled the order of materials for the next month. How many large teddy bears will she be able to make after doubling her material order?

#### Let's Explore Art and Movement

The Grid Method

Start by drawing a grid over your reference photo, and then drawing a grid of equal ratioun your work surface (paper, canvas, wood etc). Then you draw the image on your canvas, focusing on one square at a time, until the entire image has been transferred. Continue on in this manner, until all the squares are done and the image is completely transferred. By focusing on one square at a time, you end up drawing what you actually see, and not what you thinkyou see or even what you think you oughtto see.Check out this website for more information on this technique.

<https://www.art-is-fun.com/grid-method>



## Week 4: September 26th-30th Thursday's Activities

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#### Let's Explore Literacy

Use your imagination to write the opening of a short story inspired by the idea of finding a secret space somewhere near you.



#### Let's Explore Math

There are some pennies on a table.

One fourth of the pennies are heads up.

If two pennies are turned over then one third of the pennies are heads up.

How many pennies are on the table?

How do you know?

#### Let's Explore Art and Movement

Stargazing

Some people say space is the world's greatest mystery. Being outdoors is a great way to stay healthy and on a clear night, try stargazing. Look out your window or lay on a blanket with family and friends. Do some research and discover the folklore and mythology behind the constellations. You can also check out the virtual tour of McMaster's Planetarium --> HERE

<https://www.science.mcmaster.ca/tour/location-burke-science-building/location-planetarium.html>



## Week 4: September 26th-30th Friday's Activities

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#### Let's Explore Literacy

Etymology refers to the study of the origins of words and the way in which their meanings have changed throughout history.

Look up the origin of your name.

What is its etymology?

If you could rename yourself, rebranding if you will, what would you choose? Explain your choice.

#### Let's Explore Math

A complete cycle of a traffic lights takes 60 seconds.

During each cycle the light is yellow for 5 seconds and red for 30 seconds.

At a randomly chosen time, what is the probability that the light will be green?

#### Let's Explore Art and Movement

Investigation Fitness (by Boks Canada, adapted)

Being an investigator requires stamina, flexibility, and focus. Do the following exercises to prep for tracking leads and solving mysteries!

Do each activity for 60 seconds:

- Jog in place as if you were chasing down someone with important information.
- Reach up as if you are finding evidence.
- Do toe touches as if you are hammering in tent stakes.
- Wall sit (or squat) as if you are sitting on a wall incognito.
- Move your arms as if you are swimming from a big fish.
- Shake your body as if you are a wet dog
- Torso twist as if you are paddling the kayak side to side.