

Harvey High School

To Wisdom We Climb

Grade 11 HOME LEARNING PLAN

TEACHER	Email	Homeroom	Grade/subjects taught
Mrs. Henry	Ara.henry@nbed.nb.ca		112/3 history & Law 120
Mrs. Arsenault	catherine.arsenault@nbed.nb.ca		Chem 112
Mr. White	David.white@nbed.nb.ca		FI History 112, FILA 11
Mr. Finley	Neal.finley@nbed.nb.ca		11/12 Skilled Trades
Mrs. Dufresne	Pamela.Linton-Dufresne@nbed.nb.ca		English 11-2
Mr. D. Fletcher	Don.Fletcher@nbed.nb.ca		Pre-Calculus 110
Mr. Woodworth	Kyle.woodworth@nbed.nb.ca	11B Homeroom	
Ms. Parra	Julia.parra@nbed.nb.ca		English 113 Culinary Technology 120
Ms. Crawford	Catherine.crawford@nbed.nb.ca	11 A	Indigenous Studies 120
Mme. Noble	Tina.noble@nbed.nb.ca		VP
Ms. Parra	Julia.parra@nbed.nb.ca		Resource
Mrs. Drummond	Cynthia.drummond@nbed.nb.ca		Resource
Ms. Collicott	Crysta.collicott@nbed.nb.ca		Principal
School Email	harveyhigh@nbed.nb.ca		

WEEKLY PLAN – April 14-17

Subject	
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Literacy

English 113 – Watch several episodes of your favourite TV show or a watch a movie of your choice. Take note of your reactions towards the main character. Do you develop a love or hate feeling for him/her? What leads you to the feelings you have? Is it personal experiences that cause you to relate to the character, his/her family or his/her situation? Do the actions and attitudes of other characters influence you? Does the character bring forth feelings of something you'd like to strive to be, try something you've never tried or make you want to act in a certain way? If you watch with someone in your family have a discussion to see how your thoughts and opinions are similar and/or different. Or journal about your thoughts and feelings.

English 11-2 - Learning Activity - Read a Short Story, Article, or News Report

Time:

Up to 30 Minutes day or until completed

Instructions:

Students can read a short story, magazine article, or newspaper article (either online or in print) OR watch a news report.

There are lots of short articles at this link:

<http://www.kellygallagher.org/aowarchive>

And short stories by teens at this link: <https://www.teenink.com/magazine>

Considerations:

As you read, ask yourself these questions:

- How might the public benefit from this published work?
- What types of details do authors and journalists need to consider when sharing their work with the public?

Online Resources:

<https://ca.ixl.com/>

New Brunswick Public Libraries offer many learning experiences and free access to downloadable ebooks. To access this site, you will need your library card number. If you don't have one, get one online

<https://www2.gnb.ca/content/gnb/en/departments/nbpl.html>

FILA: Using the subjunctif verb tense, write a paragraph for one of the prompts below: (expressions that precede the subjunctif are included in brackets)

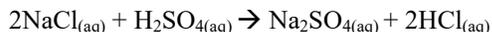
- 1. Imagine que tu partes en vacances. Dresse une liste de tout ce qu'il faut faire pour se préparer, les défis possibles, etc. (il faut que, il est possible que, il est peu probable que, avant que, en attendant que)

	<p>2. Est-ce que le programme d’Immersion doit se cibler sur les classiques littéraires ou les films et la musique contemporaine? Défendes ton opinion. (vouloir que, préférer que, m’attendre à ce que, sans que, pour que)</p> <p>3. Choisis un leader politique – Blaine Higgs, Justin Trudeau, Donald Trump, Angela Merkel, etc. Que penses-tu de la manière dont elle ou il s’adresse à la crise de COVID-19? Défendes ton opinion. (il semble que, c’est dommage que, avoir peur que, douter que, être + adjectif que [être content que, être impressionné.e que, etc.])</p> <p>Students interested in optional interactive French activities please contact Mr. White (david.white@nbed.nb.ca) or check out the Teams site on Office 365.</p>
<p>Numeracy</p>	<p>Pre-Calculus 110 Please see summary on Mr. D. Fletcher’s page on the HHS website. Click here for link</p> <p>Online Resources: Khan Academy offers math instruction for all levels of learners, organized by both subject and grade. https://www.khanacademy.org/math https://www.aaamath.com/ https://ca.ixl.com/ https://ttrockstars.com/</p>
<p>Science</p>	<p>Chem 112 <u>Avogadro’s Number</u> Chemistry uses a special unit to represent the number of particles (atoms or molecules) that are present. This unit is called a mole. Like a dozen represents 12, a mole represents 6.02×10^{23} particles. This number (6.02×10^{23}) is called Avogadro’s number. $6.02 \times 10^{23} = 602000000000000000000000$ This is a link to “the mole song” (6:25) – it will give you an idea of how big a mole really is https://www.youtube.com/watch?v=PvT51M0ek5c We can use Avogadro’s number (6.02×10^{23}) to convert number of particles to moles and number of moles to particles See the documents section of my Teacher’s Page for a sample problem and answers to the following practice problems: https://secure1.nbed.nb.ca/sites/ASD-W/harveyhighschool/Teachers/pages/docs.aspx?FilterField1=Blog%5Fx0020%5FCategory&FilterValue1=Mrs.+Arsenault **Calculator note: Please use the EE or EXP button on your calculator for scientific notation. 6.02×10^{23} would be 6.02 EE 23 or 6.02 EXP 23. This varies with the brand of calculator. A few calculators have a “x10^x” button instead of EE or EXP. Do not use the second function on the log button or your answers will be off by a factor of 10. Email if you are having difficulty getting this to work. Practice Problems: Part A (mole to particles) 1. How many moles are 2.80×10^{24} atoms of Si? 2. How many moles are 8.70×10^{22} molecules of SiO₂? 3. How many moles are 1.90×10^{25} atoms of Hg? Part B (particles to mole) 1. How many molecules are in 7.50 mol of SO₂? 2. How many atoms are in 0.57 mol of Fe? 3. How many molecules are in 21.50 mol of BF₃?</p>

Balancing Chemical Equations

A balanced chemical equation has an equal number of each kind of atom on each side (Law of Conservation of Mass). Coefficients in front of formulas represent moles.

Example:



Two moles of sodium chloride react with one mole of sulfuric acid to produce one mole of sodium sulfate and two moles of hydrochloric acid.

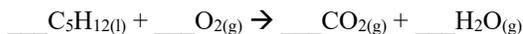
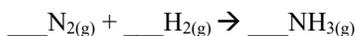
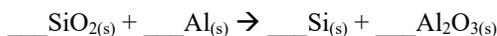
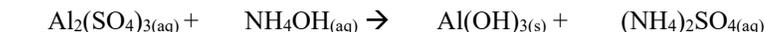
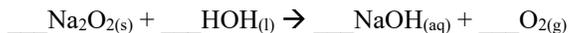
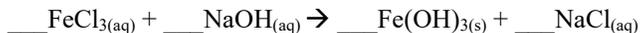
Hints:

1. Don't change subscripts in formulas to aid balancing
Eg. H_2O cannot be changed to H_2O_2
2. Don't put coefficients in the middle of a chemical formula
Eg. NaCl cannot be changed to Na_2Cl
3. If polyatomic ions are present on both sides of the reaction arrow balance them as a group (treat them as a single ion)
4. Balance diatomic molecules or single atoms last.

This video (5:00) reviews balancing chemical equations - <https://www.youtube.com/watch?v=zmdxMlb88Fs>

See the documents section of my Teacher's Page for a sample problem and answers to the following practice problems: <https://secure1.nbed.nb.ca/sites/ASD-W/harveyhighschool/Teachers/pages/docs.aspx?FilterField1=Blog%5Fx0020%5FCategory&FilterValue1=Mrs.+Arsenault>

Practice Problems:



Online Resources:

Explore the Earth from Home is a collection of resources to explore weather, climate, air quality, and other earth science topics.

<https://scied.ucar.edu/help-k-12-students-learn-about-earth-home>

Social Studies

Go to the indicated website and check out some of the images from WWI: (I will include 3 in case extended web access is a problem)

Choose a selection of images and spend some time analyzing – Start with *who, what, where, why & how?* Answer as many as you are able by just looking at the images

Once you have done that. Write down or think about what life would have been like for a soldier during the war? Think about people who had been living where these images were

taken. What would the life of civilians be? How do these images further our understanding of the experiences of people during WWI.

<https://www.warmuseum.ca/firstworldwar/objects-and-photos/photographs/battles-and-fighting-photographs/>



Demolished German Trench

The body of a dead German soldier lies near the entrance to his dugout. While the entrance is intact, the sides of the trench have collapsed. Common items such as an entrenching tool, a water bottle, and ammunition pouches lie scattered on the ground. The numbers on the dugout frame may refer to the unit designation or to the dugout's number in relation to a trench map.

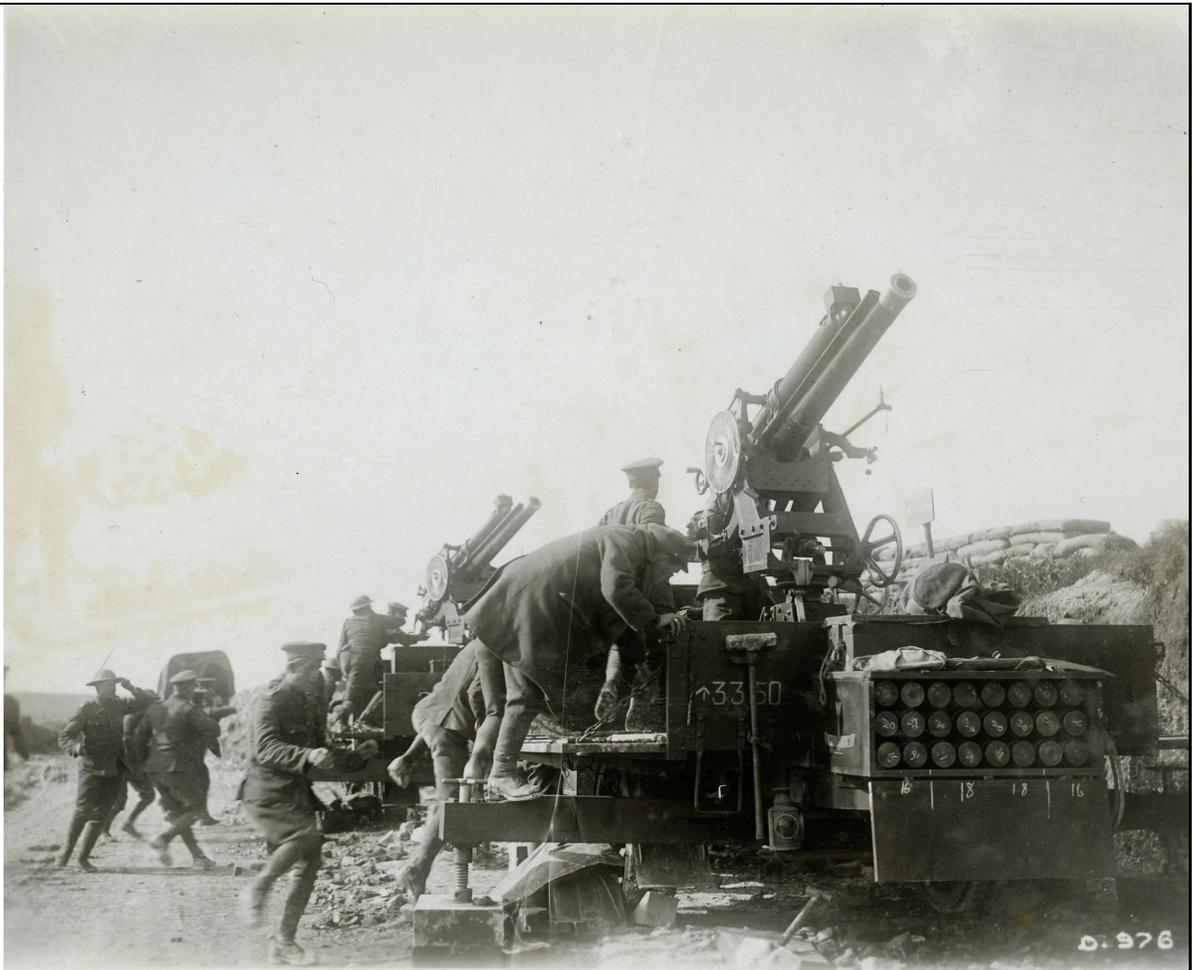
George Metcalf Archival Collection
CWM 19920044-195



Resting in a Shell Hole

Exhausted Canadians rest in a shell hole during the Battle of Amiens in 1918. These six infantry soldiers must be far from the front lines as several soldiers are sitting dangerously exposed.

George Metcalf Archival Collection
CWM 19930012-407



Anti-Aircraft Guns

Because it was very difficult to hit a fast-moving aircraft, anti-aircraft guns were usually grouped together in batteries to fire en masse at particular sections of airspace. Most anti-aircraft guns were situated on stable platforms, but some were attached to trucks for greater mobility. This photograph appears to document the gun crew racing towards their guns, perhaps after spotting an aircraft above.

George Metcalf Archival Collection
CWM 19920085-133

Online Resources:

Newsela provides students with thousands of texts on topics they care about most. <https://newsela.com/>

Indigenous Studies 120 Week Two Continuation of Learning April 14th-17th 2020

There are many teachings and sacred ceremony that our Indigenous brothers and sisters can share with us.

The link below will take you to the “Wabanaki Collection” on the U.N.B. Wolastoqey and Mi’kmaq website. (Faculty of Education- UNB)

Watch and learn from Elder - Imelda Perley as she shares her teachings.

Choose one or two of the videos and write a brief reflection on what you have learned.

Please feel free to think about some of the important sacred teachings you have in your own culture/family and how important they are to you.

<https://www.wabanakicollection.com/videos/oromocto-first-nations-ceremonies/>

Phys. Ed.

It is recommended that you do 30 minutes of physical activity per day, but how do you know if the activities you do are effective?

In terms of cardiorespiratory fitness (your body’s ability to use oxygen effectively), you can always check by taking your pulse while exercising. Find a stopwatch (most phones have one). Find your pulse and count the number of heartbeats you get in 10 seconds. To be improving your cardiorespiratory fitness, your pulse count should be at least 24. You are working too hard if your pulse count is 31. You can increase or decrease your intensity to get your pulse count into the ideal range 24-31.

Activities you can do to increase cardiorespiratory fitness could include:

- running/walking/hiking/biking/swimming
- an online aerobics class
- an online Tabata workout
- jumping rope (with or without an actual rope)
- creating an obstacle course in your backyard

You don’t necessarily have to work on your cardiorespiratory fitness every day. You can also use your physical activity time to work on improving a skill.

- Throwing and catching a ball
- Basketball shots
- Volleyball skills
- Ball handling skills (dribbling, passing)
- Balance

Don’t forget to stretch! It’s very important to ensure you do not get hurt when exercising. Also, if your activity takes you out in “the real world”, practice safe physical distancing, and obey all traffic regulations!

Technology

Culinary Technology 120

Seasonings are ingredients that enhance the flavour of food without changing the natural flavour. Examples include salt, pepper and lemon juice

Flavourings are ingredients that change the natural flavour of the foods they are added to. Examples include vanilla and cinnamon

My godmother always told me that they way to become a great cook is to read recipes. That way you learn what seasonings and flavourings work best with what ingredients. Take time to read some recipes – online, in a magazine or in an old fashioned recipe book. If you have the ingredients to do so, experiment with a single type of meat – can you notice a difference in

taste if you use a seasoning compared to if you don't? To experiment with flavourings, make a batch of basic vanilla cupcakes. Divide the batter into 3 or 4 parts and add a different flavouring to each part. Which do you prefer? Which does your family prefer?

11/12 Skilled Trades

Make a list of tools and materials you have available in your home. Design a project that would use those materials and tools. Projects can be as simple as fixing a nail hole in your wall, or any other small repair in your home. Remember to wear proper PPE when using tools and to only use tools for their intended purpose. Discuss your project(s) with some in your social circle or share with Mr. Finley if you'd like.

<https://www.youtube.com/watch?v=BZFSdtgDFig>

Offline activities

https://www2.gnb.ca/content/dam/gnb/Departments/ed/pdf/promo/learning_at_home/QuickStart_OfflineActivities_High.pdf

Online resources

https://www2.gnb.ca/content/dam/gnb/Departments/ed/pdf/promo/learning_at_home/QuickStart_OnlineResources_High.pdf