

Harvey High School

To Wisdom We Climb

Grade 12 HOME LEARNING PLAN

TEACHER	Email	Homeroom	Grade/subjects taught
Mr. Woodworth	Kyle.woodworth@nbed.nb.ca		120 Pre Calculus
Mrs. Henry	Ara.henry@nbed.nb.ca	12AB	112/3 history & Law 120
Mr. White	David.white@nbed.nb.ca		FILA 120
Mr. Finley	Neal.finley@nbed.nb.ca		Skilled Trades 11/12
Mrs. Arsenault	catherine.arsenault@nbed.nb.ca		Physics 122 & Chem 122
Mrs. Miller	Andrea.miller@nbed.nb.ca		12 FI Leadership
Ms. Parra	Julia.parra@nbed.nb.ca		Culinary Technology 120
Ms. Crawford	Catherine.crawford@nbed.nb.ca		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		MS Resource
Ms. Collicott	Crysta.collicott@nbed.nb.ca		Principal
School Email	harveyhigh@nbed.nb.ca		

WEEKLY PLAN – April 20-24

Subject

Literacy

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 120: Students interested in optional French activities please check out the Teams page for the course or contact Mr. White: david.white@nbed.nb.ca. While learning opportunities will still be offered and students will be supported if they choose to take the Oral Proficiency Interview, "Credit Earned" will not be available for this course and all students will received the "Enrolled" designation on their transcript. Please feel free to contact Mr. White with any questions.

Numeracy

Our focus this week is going to be on rational functions. On my teacher page on the school website ([Click here to go to the page](#)), you will find links you will find the following:
1) Notes on Analyzing Rational Functions. I have also included a pdf copy of the notes that I have filled in for you. I have also included a link to a video ([click here](#)). The video

talks about what is covered in the notes and also talks about oblique asymptotes. I am not going to cover oblique asymptotes in this format, but it would be good to watch that part if you plan to go on and take math courses in university.

2) Practice - Graph the following Rational Functions finding all relevant key points.

a. $f(x) = \frac{5}{x}$

b. $f(x) = \frac{3x+4}{x-2}$

c. $f(x) = \frac{3}{x^2-8x+16}$

d. $f(x) = \frac{x^2-3x-4}{x-4}$

e. $f(x) = \frac{x^2-3x+2}{x-1}$

f. $f(x) = \frac{x-1}{x^2-x-2}$

g. $f(x) = \frac{x^2+2x-8}{x^2+5x+4}$

3) A practice worksheet for graphing and analyzing rational functions. The worksheet includes an answer key as well. **Students completing the course for credit should complete the worksheet and send a copy of their work to Mr. Woodworth for credit.**

Online Resources:

Khan Academy offers math instruction for all levels of learners, organized by both subject and grade. <https://www.khanacademy.org/math>

	<p>https://www.aaamath.com/ https://ca.ixl.com/ https://trockstars.com/</p>
<p>Science</p>	<p>Physics 122 Go to Mrs. Arsenault's teacher page or the Physics 122 page on Microsoft Teams for information on projectiles launched at an angle or symmetrical trajectories. Material to be completed and submitted for those students working towards <u>credit earned</u> in Physics 122 will also be found there. Please email me if you have any questions or ideas you would like to share. Mrs. Arsenault's Teacher Page - https://secure1.nbed.nb.ca/sites/ASD-W/harveyhighschool/Teachers/pages/category.aspx?CategoryId=19&Name=Mrs.+Arsenault</p> <p>Chemistry 122 Go to Mrs. Arsenault's teacher page or the Chemistry 122 page on Microsoft Teams for information on acid and base definitions and Kw calculations. Material to be completed and submitted for those students working towards <u>credit earned</u> in Chemistry 122 will also be found there. Please email me if you have any questions or ideas you would like to share. Mrs. Arsenault's Teacher Page - https://secure1.nbed.nb.ca/sites/ASD-W/harveyhighschool/Teachers/pages/category.aspx?CategoryId=19&Name=Mrs.+Arsenault</p> <p>Online Resources:</p> <p>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</p>
<p>Social Studies</p>	<p>Grade 12</p> <p>In order for an act to be established as a criminal act, the following criteria should be considered:</p> <ul style="list-style-type: none"> • A crime is defined by societal beliefs. • A crime is an act that causes harm to other people or to those who need protection. • In order for an act to be considered a crime, harm must be serious in both nature and degree.

- Violations involving harm must be dealt with through the mechanism of criminal law.

The link is a CBC news article about the 2018 Saint John Refinery explosion. It was announced this week that Irving would be fined \$200 000 in relation to this. Could the explosion be considered a crime based on the above criteria?

<https://www.cbc.ca/news/canada/new-brunswick/saint-john-refinery-explosion-2018-1.4857404>

Indigenous Studies 120 Continuation of Learning April 20th - April 24th

This week I would like to provide you with the opportunity to Register with Knowledge Keepers.

Richard Paul- Wolastoqey

George Paul- Mi'Kmaq

There are several topics each of the Knowledge Keepers are covering over the next several weeks.

The link below will take you to the site and you can look at the topics and select the ones you are interested in.

They will send you a confirmation email which will tell you if the session is full or not.

If it is not full, they will send you a username and password to log into the session. This will come the day before the session starts. Each Session is between 30 and 60 minutes.

Here is the link below : Please note: You may need to copy and paste this link to your browser.

<http://www.world-of-wisdom.ca/kk.html>

LAW 120 STUDENTS IF YOU ARE WANTING TO EARN CREDIT FOR THIS COURSE PLEASE CHECK IN WITH YOUR CLASSROOM TEACHER VIA E-MAIL
ara.henry@nbed.nb.ca

Online Resources:

	<p>Newsela provides students with thousands of texts on topics they care about most. https://newsela.com/</p>
Phys. Ed.	<p>It is recommended that you do 30 minutes of physical activity per day. Increasing muscular strength is a goal many people want to achieve. How do you go about doing it?</p> <p>Use the FITT principle. Frequency, Intensity, Time and Type.</p> <p>Frequency – How often you do a task. How many repetitions.</p> <p>Intensity – What weight are you using? Often, using your own body is more than enough weight to help you increase muscular strength.</p> <p>Time – How much time do you have to complete, over what period of time.</p> <p>Type – It is often not recommended that you exercise the same muscles every day. Think about working with your upper body one day, lower body the next, focusing on the abdominals on the third day, before returning to the upper body. This allows for your body to heal, which it needs to increase strength.</p> <p>Activities you can do to increase muscular strength without weights could include:</p> <ul style="list-style-type: none">• Push ups• Sit ups• Pull ups• Planks• Bicep curls• Triceps dips• Leg lifts• Bicycle crunches• Step ups• Squats <p>If you have weight equipment at home, you can also use that. Just make sure someone has explained to you how to safely use it before beginning.</p> <p>You do not have to do muscular strength every day. Look on the past two weeks plans for ideas of how to fit physical activity into your day.</p> <p>Don't forget to stretch! It's very important to ensure you do not get hurt when exercising.</p>

Technology	<p>Culinary Technology Try a basic soup recipe that starts with a chicken, vegetable or beef broth. Here's one you could make but feel free to find your own (or better yet, ask someone in your family for a tried and true recipe).</p> <p><i>Skilled Trades</i> Estimate distances using objects with known lengths: There may be times when you don't have a measuring tape and need a method to estimate imperial distances or square footage. Using an object of known measurement to roughly estimate a distance of unknown measurement is a method that is frequently used on job sites.</p> <p>Using your feet as a known measurement, calculate the length and width of a room in your house. Walk heel to toe from one end to the other counting the steps. Multiply the steps by your foot length to get the length of the room. Multiply the length by the width to get the square footage.</p> <p>For reference, here is a link to foot size versus shoe size.</p>
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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