

Position: Online Mathematics Tutor for Homework Support through the Nova Scotia Homework Hub

EECD is seeking to contract with qualified individuals for real-time online tutoring to Grades 9-12 mathematics students in English and/or French for the current school year. Tutors are required to have teacher certification in Nova Scotia or be in the second year of preservice training at a recognized Nova Scotia post-secondary teacher training institution. Preference will be given to recent experience in intermediate or senior mathematics instruction. It is imperative that applicants are competent and comfortable with technology.

Key Elements:

- tutors will provide expert math homework help to students in grades 9-12 in a secure online chat
- unilingual (English) and bilingual (French and English) tutors are required
- tutors are available from Sunday to Thursday up to June exams during the hours of 5:30pm to 9:30pm ADT
- all tutors are required to work a minimum of 6 hours per week (these do not need to be consecutive) up to a maximum of 14 hours per week. (Public school classroom teachers may not tutor for more than 8 hours.)
- paid training (in person and distance will) take place prior to beginning tutoring
- tutors will work remotely during scheduled shifts as designated by the Homework Hub coordinator

Applicants to provide online tutoring must have:

- Nova Scotia teacher's license or be in the second year of preservice training at a recognized Nova Scotia post-secondary teacher training institution
- must be familiar with the current Nova Scotia mathematics curriculum at the high school level
- education in mathematics e.g. BA or BSc in Mathematics
- understanding of individual student strengths and abilities and how to address these to support mathematics learning
- tutors must have a **high speed internet**. Tutoring laptop will be provided.
- strong and effective communication, questioning and coaching skills
- high comfort level with online chat environments

Preference will be given to those applicants who:

- Have demonstrated experience in teaching in an online or blended learning environment
- Have strong background education and experience in teaching mathematics in a classroom
- Are capable of tutoring all courses and levels

Please submit this application to:

Nancy Fournier
Nancy.Fournier@novascotia.ca

Email your application, using the following format in the subject line: *yourname_application_mathtutor*

For example: NancyFournier_application_mathtutor

Failure to use this format in the subject line may result in your application not being received.

Applicants will be contacted if selected for an interview. Preference will be given to applicants who have the ability to tutor all levels.

Applications will be kept on file for 12 months from the date received.

Online Tutor Application Form

Section 1		
Name:		
Teacher License Number or date of expected graduation with a BEd:	Class:	
Address:		
Postal Code:		
Telephone:	e-mail:	
Indicate your highest level of education:		
Bachelor _____	Masters _____	Doctorate _____
Fluent in English: written _____ oral _____		
Fluent in French: written _____ oral _____		
Years teaching mathematics:	Last year you taught mathematics:	
If currently an undergraduate student name of University you are attending:		
Mathematics training/education:		
Online teaching experience:		

If you are not currently employed with a Nova Scotia School Board, the applicant must undertake a background search through the child and sexual abuse registry.

Provide the names of two references. At least one reference must be an academic reference:

Name:	Telephone:
Address:	Email:
Name:	Telephone
Address:	Email:

Section 2

Applicants must prepare a tutor’s response to help a student correctly understand how to answer the sample question that follows.

Keep in mind that this is in an online whiteboard environment when answering. If applying for a bilingual position, please respond in French. You may answer in writing or send a video or screencast response.

Question 1

If you prefer Grades 9-10, please answer a. If you prefer Grades 10-11, please answer b, and if you prefer IB and 11-12, please answer b and c.

- a) Explain how you would tutor a student that comes for a tutoring session saying that they do not understand anything about simplifying polynomials or the degree of a polynomial, but does not have any specific questions prepared.
- b) Explain how you would tutor a student who is unfamiliar with the Ambiguous Case and has not prepared a sample question.
- c) A student has the following question that they want help with on a homework assignment. Explain how you will help them, keeping in mind that the teacher might be marking this assignment.
Consider the function $f(x) = x^2 + x - 6$. What are the equations of the vertical asymptotes for the graph of $y = \frac{1}{f(x)}$.

Section 3

1) Please provide your availability to work.

	Sunday	Monday	Tuesday	Wednesday	Thursday
5:30-6:30					
6:30-7:30					
7:30-8:30					
8:30-9:30					

2) What are your expectations for the number of hours to work weekly?