



## **Math 9**

### **EBUS Academy 2019/2020**

#### **Course Overview:**

##### **Opening and Starting the Course:**

Mathematics 9 requires students to complete an opening assessment. The Opening Review is mandatory for you to refresh the skills you learned in Math 8 that will be needed in Math 9. You have unlimited tries, so you can always go back to improve your mark as you refresh your skills. Once the opening review is completed, the first topic will open up. After the first topic test is completed (student has done enough to show they are serious about progressing through the course), the entire course will open up. If after several tries, you cannot complete the Opening Review with a score of 80% or higher, an adapted version of the course is available and can be completed for full Math 9 credit. The adapted version leads into the Apprenticeship stream for grade 10.

You are expected to follow the order of the course. One topic builds upon another and must be followed in order for your success. The course is divided up into 8 topics, each with an assignment and a closed book test. There is a cumulative final for this course. There are 5 Projects, and you need to choose 2 to complete. You will do the final exam or the 2 projects, not both.

##### **Course Materials:**

There is no textbook issued for this course. Instead, lessons are provided through StudyForge. Access to StudyForge will be granted upon completing the opening assessment. The prescribed learning outcomes for this course are available at: [Math 9](#)

##### **Testing/Assessment information:**

All tests are to be supervised. Please fill out and submit your supervisor form in the course, do not email. The supervisor will be given the passwords for all tests. Once the assignment is completed and marked, you will be able to write under supervision. Supervised: Any adult, of 19 years or older may supervise.

**All tests are closed book, with the use of a formula sheet and a non-graphing calculator permitted.**

### About each Topic (in order):

All EBUS courses are designed to allow you to work on the material with an individualized, flexible timeline and at your own pace. The following timeline is a suggestion only, but is meant to keep you on track to complete by the end of June.

- Each topic should take approximately 3 weeks to complete.
- Each project will take up to 1 week, for up to 2 weeks total to complete.
- Allow 2 weeks for the final, to study and prep and write.

#### Topic 1 – Rational Numbers:

In this topic you will explore order of operations in depth and will work with equivalent forms of numbers, including: fractions, decimals and percentages.

☐ One Assignment

☐ Test (**supervised**)

#### Topic 2 – Exponents:

In this topic you will review exponent laws and apply them to solve equations with variables.

☐ One Assignment

☐ Test (**supervised**)

#### Topic 3 – Polynomials:

In this topic you will use algebra tiles and review terminology to work with multiple term equations, known as polynomials. Order of operations will be incorporated.

☐ One Assignment

☐ Test (**supervised**)

#### Topic 4 – Linear Relations:

In this topic you will develop the skills of graphing and apply these to real life examples, and towards the next topic.

☐ Two Assignments

☐ Test (**supervised**)

#### Topic 5 – Linear Equations:

In this topic you will explore further linear relations and equations to solve symbolically and pictorially.

☐ One Assignment

☐ Test (**supervised**)

### Topic 6 – Proportional Reasoning:

In this topic you will scale diagrams and polygons. You will work within the metric units and many of the familiar shapes you have learned up to this point.

- ☐ One Assignment
- ☐ Test (**supervised**)

### Topic 7 – Statistics:

In this topic you will analyze different graphs and their representations of data. You will also use data to construct biased and unbiased conclusions.

- ☐ One Assignment
- ☐ Test (**supervised**)

### Topic 8 – Financial Literacy:

In this topic you will create budgets and calculate interest amounts under different situations.

- ☐ One Assignment
- ☐ Test (**supervised**)

### Final Exam (Supervised) – option 1:

- ☐ 3 hour max time limit
- Composition (MC and Written)

### Projects – option 2:

The projects are aimed at a more in depth look, to build more knowledge by applying skills.

- ☐ Choose 2 of 5 Projects
- Must complete the specified topic before you can attempt the project

## Mark Breakdown:

### Note Packages: 10%

For each topic there is a note package to print off and fill in as you watch the StudyForge videos. This participation is worth marks towards your grade. There is a hand-in box for each note package.

### Assignments: 40%

For each topic there are **open book** assignments. Each assignment has its own hand-in box. Once the assignment has been marked you can access the test and view comments. **Corrections may be asked of a student before they can write the chapter test.** Re-submissions are not accepted once marked, unless corrections are requested. Students should put in their full effort the first time.

### Chapter Tests: 40%

There will be a one test per topic. All chapter tests are **closed book** tests, which means that you are **not permitted** to use any reference material. You can use a non-graphing calculator and the course formula sheet. Tests are mainly multiple choice. Print off the test worksheet before you start, to show your work and submit for marks. Immediately following your test (15min window) you will submit the test worksheets as a single file. There is only 1 attempt, please be prepared the first time.

### Projects & Final Exam (10%):

Choose 1 of the 2 options below:

**Projects:** Choose 2 of the 5 projects to complete. Check each one to see what chapter must be completed first before attempting. They will not be marked until that chapter is complete.

**Final Exam:** There is a cumulative final exam at the end of the course. It is a **closed book** test, and must be supervised. When you finish the last chapter, review and look over your assignments. There is an optional review provided in the course. Once you are ready to write, let your instructor know.

### Contact Information:

#### Having Trouble or Stuck?

Your instructor will be available by email or Moodle messaging.

If you need a more in depth explanation, please feel free to call or if you are in the Vanderhoof area you can drop in by booking an appointment.

**Available Hours: 9am – 12pm, 1pm – 3pm from Monday to Friday**

With the exception of Pro-D days and Holidays. If your instructor is unavailable due to weather, illness or any other reason; there will be an attempt to make an alert on Moodle to inform the class.

#### Contact Information:

Email: [smargison@sd91.bc.ca](mailto:smargison@sd91.bc.ca)

Phone Numbers: 1-800-567-1236 (Main Office)  
1-250-567-4744 ext: 44

### Grade Progress:

#### Progress Reports:

Progress reports will be emailed to the address(es) on file for all students and parents/guardians once a month. You can expect the email to occur near the end of the school week.

**Full-Time Students:** A draft proposal has been issued to change the reporting style for K-9, and this means full-time students will receive 2 formal reports, 2 conferences, and 2 detailed progress reports. This may change.

**Cross-Enrolled Students:** Report cards will be available at the end of each of the four terms. These will be available via email or accessible through the student's Moodle Dashboard page. Deadlines for grades to appear on report cards can be seen on the course page. A Proposal to change the reporting methods is in draft; so this may change, based on the final proposal accepted by the district.

#### Falling Behind:

Students who do not make the effort to keep on track, may be given an I contract and parent contact will be made. An I contract may be given for a failing grade or for not keeping up to the expected pace. An I is for our, and your, personal records. The I will not be posted onto official transcripts. An I

grade is not a fail, but rather a sign that at this moment in time, based on your progress, we cannot say with 100% assurance that you will be able to complete by the desired date.

Students who are not regularly engaged in the course may be sent computer-generated reminder emails. Two or more weeks of inactivity may trigger an OGER email. To additional activity may result in a withdrawal.

If a part-time student is in the course for a period of 3 months or more will no completed assessments, the student may be withdrawn. To be re-instated, the student must obtain the course instructor's permission and come to an agreement of when submissions need to happen.

## **Expectations:**

### **To Complete and Finish Successfully:**

- Remain ethical and upstanding in your assessments
- Contact your teacher when help is needed
- Review feedback from assignments and tests, where applicable
- Communicate respectfully
- Review progress reports
- You work consistently to complete by the end of June