



Math 9

EBUS Academy 2017/2018

Course Overview:

Opening and Activating the Course:

Mathematics 9 requires students to complete an opening assessment on the Grade 9 Homepage that informs your instructor of your learning and your understanding of the concepts needed in this course. Once you have access to the course, an 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 entire course will open up.

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.

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. This supervisor will be given the passwords to all your 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 learn the exponent laws and apply them to solve equations. You will also apply the exponent laws to numbers and 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. This will involve multiplying, dividing, adding and subtracting polynomials by monomials.

- 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.

- One Assignment
- 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):

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

Projects:

There are 5 different projects that take you through a specific area of the course and will make you look more in depth and build more knowledge as you apply these 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: 30%

For each topic there is an **open book** assignment. When you have completed your assignment, you will need to upload and submit into its hand-in box. Once the assignment has been marked you can view them in its hand-in box and all comments provided. **Corrections may be asked of a student before they can write the chapter test.** Students will need to re-submit an assignment until this is satisfied. Re-submissions are not accepted once marked, unless corrections are requested.

Chapter Tests: 40%

There will be a one test per topic. Please note that all chapter tests are **closed book** tests, which means that you are **not permitted** to use any reference materials to help answer the questions. You can use a non-graphing calculator and the course formula sheet. Each test is computer based and consists of multiple choice questions. Print off the test worksheet before you start, as this is where you will show your work and will submit for marks. Immediately following your test you will submit the test worksheets as a single file. Rewrites are not the norm, but the exception.

Projects: 10%

There are 5 projects to choose from, only 2 need to be completed. Check each one to see what chapter must be completed first before attempting! Some projects from PSBD Course can be used for math, email your teacher for approval first.

Final Exam: 10%

There will be a final exam at the end of the course. Please note that it will be a **closed book** test. Your final exam must be supervised. When you finish the last chapter, review and look over your assignments. 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 exemption 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: kkeleher@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 every 1-2 weeks. You can expect the email to occur near the end of the school week.

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.

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 will be sent computer-generated reminder emails. Two or more weeks of inactivity may trigger an OGER email.

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. If part-time students are not active for long periods of time, they will be contacted before removal.

As a student taking an online course, you need to be self-disciplined and spend time throughout the year on this course. One-on-one messages and phone calls may not happen with all parents or guardians. If you have concerns, please contact the course instructor.

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