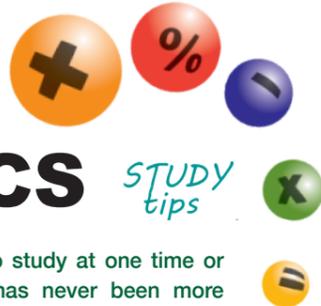




NAMCOL

UPDATE

It's EXAM time



MATHEMATICS

STUDY tips

Mathematics is a subject that every learner has to study at one time or another. The importance of maths for learners has never been more prominent. The problem many learners have is that they don't know how to study maths to get good results.

1. PRACTICE, PRACTICE & MORE PRACTICE

It is impossible to study maths properly by just reading and listening. To study maths you have to roll up your sleeves and actually solve some problems.

2. REVIEW ERRORS

When you're practising these problems, it's important to work through the process for each solution. If you have made any mistakes, you should review them and understand where your problem-solving skills let you down.

3. MASTER THE KEY CONCEPTS

Do not try to memorise the processes. This is counter-productive. It is much better and rewarding in the long-run to focus on understanding the process and logic that are involved.

4. UNDERSTAND YOUR DOUBTS

Sometimes you can get stuck trying to solve part of a maths problem and find it difficult to move on to the next stage. It's common for many students to skip this question and continue on to the next.

5. REMEMBER: MATHS REQUIRES TIME AND PATIENCE TO MASTER:

It is a good idea to study with a friend who you can consult with and bounce ideas off when trying to solve complex problems.

6. CREATE A DISTRACTION FREE STUDY ENVIRONMENT

Mathematics is a subject that requires more concentration than any other. A proper study environment and a distraction free area could be the determining factor when solving complex equations or problems in geometry, algebra or trigonometry!

7. CREATE A MATHEMATICAL DICTIONARY

We suggest you create Notes or Flashcards with all the concepts, terminology and definitions you need to know.

8. APPLY MATHS TO REAL WORLD PROBLEMS

Try to apply real world problems when approaching maths, as much as possible. Maths can be very abstract sometimes so looking for a practical application can help change your perspective and assimilate ideas differently.

OTHER EXAMINATION TIPS

We recommend that:

- Learners have a pencil, ruler, pen and calculator.
- Learners have a NAMCOL Examination Booklet to access former question papers.
- Learners have to practice by answering all the questions before looking up answers.

NAMCOL Examination Booklet.

- Learners have to do peer-marking.
- Practice is the only key which can drive you to pass mathematics
- It is advisable to practice in groups.



STUDY tips

1. Master the Basics

Students should master the basics of sciences such as: quantities, instruments, units and formulae.

2. Mastering one part

Only a few students are good in both Physics and Chemistry. Some prefer Physics and others prefer chemistry. Students with preference should be reminded that they have to master the part of physical science they prefer so that they score high marks AND that will boost the other part they don't prefer. It is likely that they perform poorly in the other part; this will boost the whole performance in physical science.

3. Time factor

Students should start to prepare as early as possible. A week is not enough for them to prepare the content they have been taught in that year. Motivate them to start using any single off-minute they are getting in their daily schedule.

4. Standard and nature of questions

Though we don't really get questions repeated in physical science, the nature of questions per level (ordinary or higher) doesn't change. Students should go through and expose themselves to old questions papers so that they will be familiar with the standards and nature of the questions they are expecting at their level.

5. Type of books and materials to use

All the materials and books they have been using from grade 11 and 12 AND/ NAMCOL study guides are useful. If students opt to use OTHER textbooks they should use the guidelines (like syllabus) for them not to study irrelevant contents.

6. Self-assessment

Self-assessment is helpful because it can give a picture of where they stand in terms of mastering the content. They should use papers from the booklets (with answers), write them in the time appearing on the papers and mark themselves according to the marking scheme given. This will give them a hint on the content which is less mastered.

7. Preparing yourself psychologically

Many students fail, not because they don't know the content but they tend to PANIC when they see examination papers. Motivate them to be positive towards the examinations. The more they panic the higher their chances of getting confused during the exams.

8. Handling a question paper

Now the LEARNERS are IN the examination room. Many students submit incomplete papers because they didn't manage the time given to them. The best way is to first answer all the parts they are not struggling with, so that even if they are not done, that at least all the parts they have answered are likely to help them score better marks.



Exam Motivation for Secondary Education Learners

The time for the preparation for your final exams has arrived. Writing exams forms an inevitable part of your secondary school career. You have to do the best you can to get the best grades needed for further studies or to get a job.

You attended classes all semester. In the weeks and days before the exam, you studied and reviewed more intensively. Now the day of the exam is here. By following a few mental, physical, and psychological strategies, you can get a higher score. It is important that you get enough sleep

the night before the exam. If you are dull-headed because of a lack of sleep, you won't be able to perform at your best. Sleep a few extra hours instead of studying a few extra hours.

Eat moderately before your exams and avoid a heavy meal. If you eat too much, your brain will have to devote energy to the process of digestion. On the other hand, if you skip a meal, your brain will have inadequate fuel to function well. Aim for nutritional balance and moderation. Avoid drinking coffee, tea or cola, which could make you need to use

the bathroom more often. Your body and your brain need water. Research has proven that your brain performs more efficiently when well-hydrated.

Lastly, do not forget your examination timetable and ID- every learner has a personal timetable generated of their exams that they receive through their school/ college. Bring it along for every session, together with a proof of ID.

Remember, that if you don't have this, you will not be admitted to the exam room.

The Board, Management and staff herewith wish the Grade 10 and 12 learners all the best for the upcoming examinations.