

**ASSA Maths
& Science**

ASSA Maths & Science Solutions Newsletter

Volume 1

June 2013

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Welcome to our new Website!

Our new website was launched on the 20 May 2013.

The response to the radio interviews and the newspaper articles have been overwhelming and very encouraging indeed! Thank you for your interest, feedback and support!

Website Stats:

Registrations:

11 000

Downloads:

27 000

Page views:

70 000

Special points to note:

- Don't ever give up, just keep trying!
- Where there is a will, there is a way!
- Honesty is certainly the best policy!
- Hard work never hurt anybody!
- Maths & Science are the key subjects for your future!
- We will no longer wallow in mediocrity!

Radio 702 John Robbie show interview:

soundcloud.com/leadsa/john-ro...

How can this website help you?

South Africa needs 1 000s of Actuaries, Doctors, Engineers, Teachers, Lawyers etc.

Will you be one of them?

To aim and reach your dreams you need **70%** or more in exams for Maths & Science!



He wants to be an Actuary!

Website address:

<http://mathsandscience.com/>

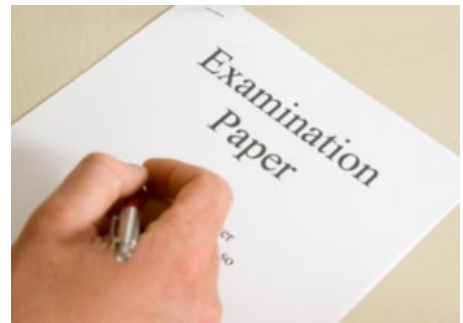
Our materials, methodology & website can enable you to do this and thus qualify for the University & faculty of your choice. **You need to use them daily!**

Grade 12 Matric learners: June Holiday Work!

How well did you do in your June Maths & Science exams?

Above 70% in all papers?

If not, the June school holiday is an ideal time to do some past exam papers. Try and complete 4 past Maths papers and 4 past Science papers & be sure to do papers that have Memos, so that you can check your work! Downloads are available from our website



If you achieved above 70% - don't rest on your laurels. Now is the time to put in even more work and effort and thus try to achieve above 80% in your September and November exams.

Remember, all of these exam marks need to be submitted to the tertiary institution of your choice before they will consider or accept you for 2014!

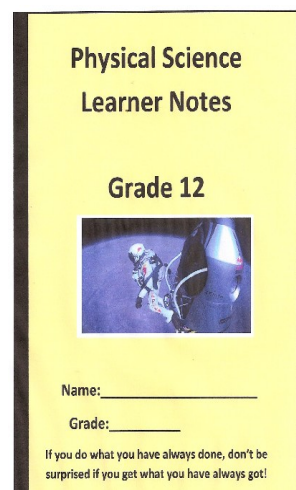
Grade 11 learners: Get the methodology right!

If you have not done that well, now is the time to start getting yourself organised and ready for your own Matric exam in 18 months time!

Download the learner study books from the resources section. Print them and use them daily in your studies and preparation for your tests and exams.

Remember, you will need to submit your Grade 11 November results when applying for University acceptance next year when you are in Grade 12! It is thus very important that they see that you are already achieving 70% or more in Grade 11 & it will improve your chances of early acceptance, considerably! [Click here for your study aid:](#)

[http://mathsandscience.com/resources/?g=/Learner%20Study%20aid%20books%20in%](http://mathsandscience.com/resources/?g=/Learner%20Study%20aid%20books%20in%20)



Grade 10 learners: Apply yourself properly, now!

We do not want large numbers of learners dropping out at the end of Grade 10, just because you have not applied yourself properly! Work really hard over the next 5 months and thus give yourself every opportunity to see if you can master these tricky subjects.

Large numbers of learners drop out of Maths and/or Science at the end of Grade 10, as a result of poor marks. Your whole future is being determined at this stage.

Do you know that the moment you drop Maths and/or Science, you are unable to qualify for about 200 different careers!

This could be a catastrophe for you in the future!



How are your study skills?

Many learners think they are studying correctly, but in fact they are not utilizing their time effectively, nor are they studying correctly!

If you have always studied in a particular manner and you invariably achieve between 35 & 50%, then you need to consider a change in your methods, if you want to score above 70% and go to University!

Have a look at the links on the following page:

<http://mathsandscience.com/resources/?g=/Study%20skills>

At which University would you like to study?

Many learners are not too sure where to study, because they are not familiar with the different faculties offered by the different Universities.

This link will connect you to a page that shows all the tertiary institutions in SA, names, faculties, points systems & bursaries:

<http://mathsandscience.com/resources/?g=/Universities%20points%20system%20and%20funding>

Our Website forums?

The forums on our website have been set up so that learners may ask questions and have them answered by other learners and even teachers. The idea here is to share our knowledge and thus benefit from what others can do to help.

To be able to explain something to someone else, you need to understand it well yourself and it is an important growth experience for us as we explain to another learner. You are encouraged to make use of this facility. No question is unimportant. Dare to be the first one to pose a question!

Go ahead, pose a question for other learners now and see what responses you get!

<http://mathsandscience.com/forums/>

Website & materials sponsored by:

Remember:

'If you do what you have always done, do not be surprised if you get what you have always got!'

Time for change!



Some fun links to try:

1. Alkali metals in water:

<https://www.youtube.com/watch?v=83eq5HyG-tl>

2. Generator:

http://www.walter-fendt.de/ph14e/generator_e.htm

3. Make your own simple generator

<http://www.youtube.com/watch?v=k7Sz8oT8ou0>

4. Savings Calculator—very important!

http://nlvm.usu.edu/en/nav/frames_asid_320_g_3_t_5.html

5. Simple vs compound interest

<http://demonstrations.wolfram.com/SimpleVersusCompoundInterest/>

6. Circuit construction kit—download now

<http://phet.colorado.edu/en/simulation/circuit-construction-kit-ac>

Together with the Actuarial Society of South Africa, Maths & Science Marketing are trying to make Maths and Science more interesting & fun to teach and to learn.

Remember, your future largely depends upon you!

Nothing can replace hard work, diligence & effort.

We care & want to see you do well!

Feedback:

How are you using & finding the materials?

How have you benefitted from using the materials?

Are you using the materials daily, as recommended? Please tell us.

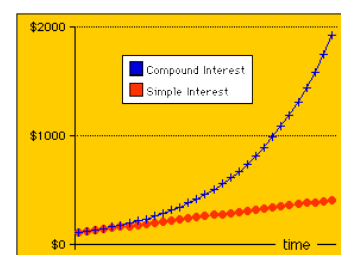
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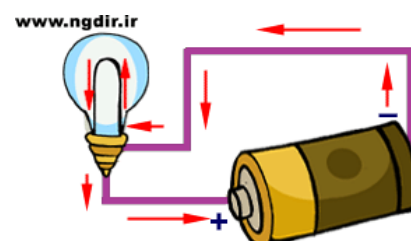
Cutting potassium
(symbol K)



Commercial generator



Simple vs compound interest



A Simple circuit With light

