

Maths & Science.

ASSA Maths & Science Solutions Newsletter

Volume 2

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Website exceeds wildest dreams!

Our website was launched on the 20 May 2013.

The response to the YOU article, the Google Adwords and the promotional materials sent to schools has been overwhelming and very encouraging indeed! Thank you for your interest, feedback and support—appreciated!

Website Stats:

Unique viewers:
23 000

Downloads:
65 000

Page views:
150 000!

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!

Achieve maximum benefit from this website!

To gain access to the most important stuff on the site, you must be registered. This gives you access to the 5 000 extra PowerPoint or PDF pages on the respective CAPS Curriculums.

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



They want to be Actuaries!

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: Pre-lims & Finals!

The next 6 weeks is a crucial time for each one of you!

You need to be doing the following:

- ▶ **1 Past Maths paper per week**
- ▶ **1 Past Science paper per week**
- ▶ **Using proper study skills and timetables**
- ▶ **Use your September holidays to do many past papers!**



Click here for past Maths & Science papers:

<http://mathsandscience.com/tests-exams/>

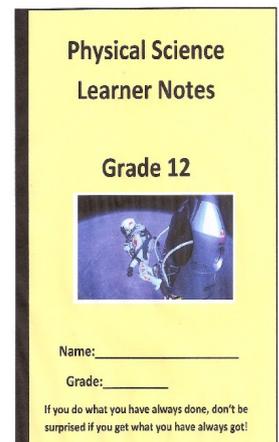
<http://www.education.gov.za/Examinations/PastExamPapers/tabid/351/Default.aspx>

Grade 11 learners: Use the methodology correctly!

- ▶ Download your learner workbook from our website
- ▶ Print out the workbook & start using it every day
- ▶ Know that you need to submit Nov Grade 11 results for University entrance next year and therefore need to do well at the end of this year.
- ▶ Ensure that you are using the right study skills & preparation for exams.

Click here for your study aid:

<http://mathsandscience.com/resources/?g=/Learner%20Study%20aid%20books%20in%20PDF>



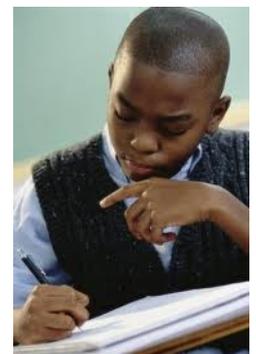
Grade 10 learners: Apply yourself properly, now!

Large numbers of learners drop out of Maths and/or Science at the end of Grade 10, as a result of:

- ▶ Poor marks
- ▶ Poor study effort and poor application in preparing for exams
- ▶ Lack of interest, motivation and determination to be successful
- ▶ Laziness, poor attitude and focus on too many other things besides academic progress

☹ **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 later in your future!**



Future Engineer?

<http://mathsandscience.com/resources/?g=/Learner%20Study%20aid%20books%20in%20PDF>

Grade 9 learners: Subject choice?

The next month or two is an absolutely crucial time for you! You are needing to:

- ▶ Research your subject choice options
- ▶ Establish which subjects are required for certain career choices
- ▶ Ensure that you select subjects you enjoy doing
- ▶ Ensure that you will be able to pass these subjects in Matric
- ▶ Be sure that you are studying in such a manner that you do well in the subjects that you want to study in Grades 10, 11 & 12.

Click here to get help & guidance:

<http://mathsandscience.com/resources/?g=/Career%20Guidance>

At which University would you like to study?

- ▶ **Where do you want to study?**
- ▶ **What faculties are offered at the various Universities?**
- ▶ **What points are required to gain entry to the faculties?**
- ▶ **What marks do I need in order to qualify?**

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

Find out more—click here:

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

Our new Website tutorial:

- ▶ **View 15 000 pages & links from here**
- ▶ **Not sure what is available on the site?**
- ▶ **Find your way around the site from this tutorial**
- ▶ **Feeling confused & don't know where to start?**

This will enable you to find whatever you require at just the click of a button! **Click here to access the tutorial:**

<http://mathsandscience.com/wp-content/uploads/2013/04/ms-tutorial-website.pdf>

If you want to ask a question:

Click here to gain access to our forums:

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

Website & materials sponsored by:

What does an Actuary do? Click here:

<http://www.actuarialsociety.org.za/Abouttheactuarialprofession/Whatisanactuary.aspx>

Remember:

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

What does this mean?

If you always study in a particular manner & you always get about 40%, if you want to achieve 70% - you are going to have to change your study methods and exam preparation!



**ACTUARIAL
SOCIETY**
OF SOUTH AFRICA



Some fun links to check out:

1. Elephant toothpaste:

<https://www.youtube.com/watch?v=QLSC-iGOOyc>

<https://www.youtube.com/watch?v=UTfMrx7275w>

2. Make your own electric motor:

<https://www.youtube.com/watch?v=ziWUmlUcR2k>

3. The meteor shower in August:

<https://www.youtube.com/watch?v=TrY75JhpSTo>

4. Easy Maths trick — if you follow the rules:

<https://www.youtube.com/watch?v=qaHNPfoyPFY>

5. Who are the top 30 greatest Mathematicians?

<https://www.youtube.com/watch?v=6SDqqROrOFs>

6. Electronic Circuit construction kit download:

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

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 please:

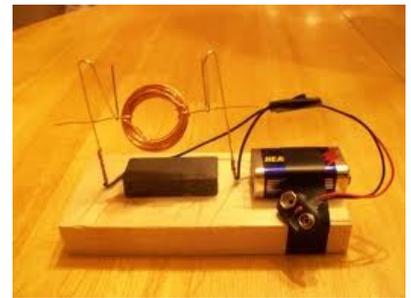
We can only improve our website if you send us feedback about the site

- ▶ 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.

<http://mathsandscience.com/>



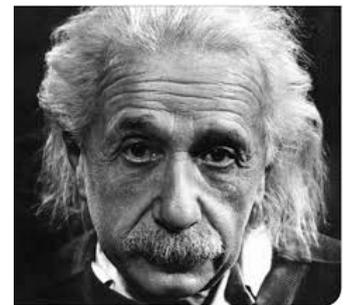
Elephant toothpaste



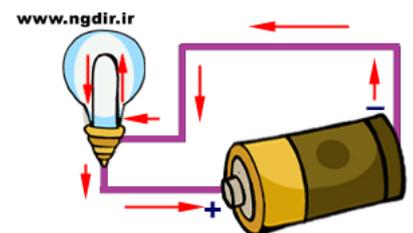
Electric motor



Meteor shower in August



Einstein?



A Simple circuit With light

Achieving 70% or more in tests & exams will enable you to go to University to study and pass Maths & Science courses.

Will you qualify?



Studying & Exam tips

Creating a Study Plan

As the exam nears, you will need to create a plan to help you study effectively and minimize stress. The first step is to figure out how much time and effort you must dedicate to studying for the exam by asking the following questions:

- How much material do I need to cover?
- How difficult is the material?
- How much time is available?
- Do I have any other priorities during the study period?
- What is the format of the exam?
- How important is it to do well in this exam?

70%

Is required for University!

What mark do I need for this exam?

Your Evaluation & study skills:

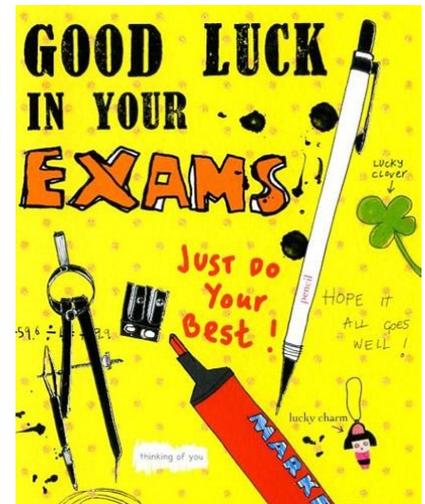
Look at the following link to ensure that you are studying effectively:

1. Your study skills evaluation
2. Your study skills booklet
3. Study skills video clip
4. Your self evaluation form

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

The following clip is also useful:

<https://www.youtube.com/watch?v=VpqXCeTfe0Y>



The actual Exam:

Ten tips for exam writing:

<https://www.youtube.com/watch?v=hJPhxTQtN4c>

Take the stress out of exam time:

https://www.youtube.com/watch?v=_nHm5VmoLdQ

How **not** to write your exam—the Mr Bean way!

<https://www.youtube.com/watch?v=98V9cEYe6-A>

