

Maths & Science

ASSA Maths & Science Solutions Newsletter

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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!

Website address:

<http://mathsandscience.com/>

Email address:

mwteach@mweb.co.za

Facebook page

<https://www.facebook.com/pages/Maths-and-Science-Marketing/159372754100348>

Maths & Science materials go **VIRAL!**

Our website was launched on the 20 May 2013.

The response to the radio talks, articles and the promotional materials sent to schools has been quite overwhelming and very encouraging indeed! Thank you for your interest, feedback and support— really appreciated!

People from **900** cities in **110** countries across the world have downloaded our materials! Quite remarkable, we think!



Website Stats:

Unique viewers:
50 000

Downloads:
190 000

Page views:
350 000!

Achieve maximum benefit from this website!

To gain access to the most important stuff on the site, teachers & learners must be **registered!**

Teachers should use the materials daily in the classroom, while **learners** should use them daily at home, if top marks are to be achieved.

This is the comment from a parent!



G 10—12 Teachers: Prepare for 2014, now!

The next 8 weeks is a crucial time and can be effectively used to set yourself up for an excellent teaching year ahead. You need to be doing the following:

- ▶ Familiarise yourself with the content of the website
- ▶ Print learner workbooks for each learner
- ▶ Purchase any extra hardware you may need
- ▶ Ensure you have the required internet access for year!

Click here for learner workbooks for duplication:

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



Your classroom set up for our methodology

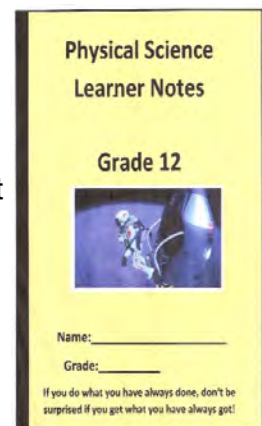
Grade 11 & 12 learners: Use the methodology correctly!

The last 2 years of schooling is crucial to qualifying for the University and faculty of your choice!

- ▶ Download your learner workbook from our website
- ▶ Print out the workbook & start using it every day—in class and at home!
- ▶ 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 coming 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>



Learner workbook from website!

Grade 10 learners: Apply yourself properly this year!

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!

The importance of doing Maths & Science for Matric:

<http://brighterlife.ca/2013/10/09/dont-let-your-kids-drop-science/>

<http://brighterlife.ca/2013/10/09/dont-let-your-kids-drop-science/>



This could be a catastrophe for you later in your future!



Future Doctor?

Grade 9 learners: Subject choice?

At the end of your Grade 9 year, you select the subjects for Matric!

- ▶ Research your subject choice options at your school in the year
- ▶ 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>

Grade 1—9 teachers and learners.

- ▶ We have recently added 5 000 pages of wonderful Grade 1 – 9 Maths materials to our website!
- ▶ Many of the Maths problems that surface at Senior High School have started in the Primary school, unfortunately.

The link below will connect you to a page that shows all the Grades 1—9 workbooks, worksheets, ANAs & many more:

Find out more—click here:

<http://mathsandscience.com/grade-1-to-9-downloads/>

Our new Website tutorial:

This tutorial helps you to learn your way around our website & enables you to become familiar with all what the site has to offer:

- ▶ View 15 000 pages & links of High school material 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>

Website & materials sponsored by:

What does an Actuary do? **Click here:**

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

The Actuarial Society of South Africa is very anxious to see more learners qualify and succeed at University and that is why they have sponsored this site.

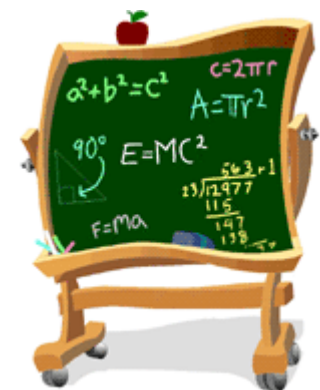
To be successful at University, you need to achieve at least 70% or more at school level & particularly in Matric finals!

Learners:

'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



Top Maths & Science learners become Actuaries, Engineers, Doctors etc.

Some interesting/fun links to check:

1. 10 cool things you did not know about Stephen Hawkins

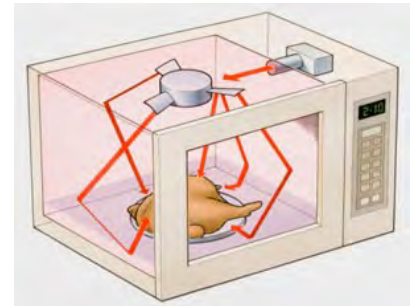
<http://science.howstuffworks.com/dictionary/famous-scientists/physicists/10-cool-things-stephen-hawking.htm#page=0>



Stephen Hawking

2. Understand microwaves in 10 seconds!

http://www.youtube.com/watch?v=OFG_OoiMhWE



Microwaves

3. 10 random liquid nitrogen experiments!

(Don't use liquid nitrogen yourself!)

http://www.youtube.com/watch?v=v_xLsm5Yb7w

4. Fun Math trick

<http://www.youtube.com/watch?v=JKWpl2EulDA>

5. Kid Snippets — maths fun

<http://www.youtube.com/watch?v=KdxEA91D7k>



Effect of liquid nitrogen

Together with the Actuarial Society of South Africa, Maths & Science Solutions 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/>

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?

What mark do I need for this exam?

70%

Is required at school for University entrance & success!

Your Evaluation & study skills:

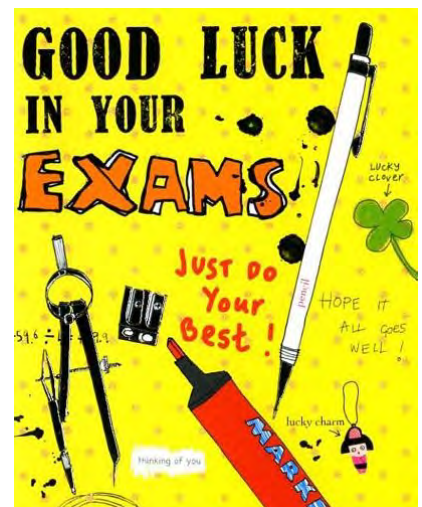
Look at the following link to ensure that you are studying effectively:

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>

