

Maths & Science

ASSA Maths & Science Solutions Newsletter

Volume 4

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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— it is really appreciated!

People from **1 600** cities in **150** countries across the world have downloaded our materials! **Quite remarkable, we think!**



Website Stats:

Unique viewers:
90 000

Downloads:
350 000

Page views:
620 000!

Achieve maximum benefit from this website!

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



ASSA—YOU GUYS ROCK!

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

G 10—12 Teachers: Are you and your learners using the materials and methodology effectively?

The next 4 weeks is a crucial time and can be effectively used to set yourself & your learners up for the rest of the year ahead. You need to be doing the following:

- ▶ Familiarise yourself with the content of the website
- ▶ Print learner workbooks (or chapter handouts) 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>

Grade 10 - 12 learners: Use the methodology correctly!

The last 3 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 & your Grade 12 June results for University entrance next year and therefore need to do well now & 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>

Science learners: We have just loaded a Science dictionary—check it out for yourself!

Often, when preparing for tests and exams, one can't remember the meaning of a word or term!

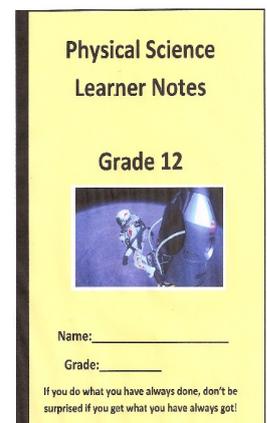
Well, we have solved your problem for you—just look it up in our new Science Dictionary—loaded under the **Resources** tab on the home page.

Have a look at it now!

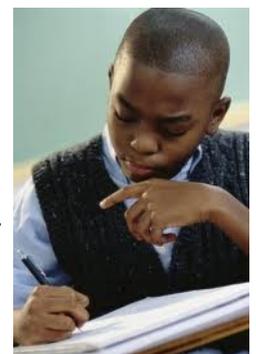
<http://mathsandscience.com/>



Your classroom set up for our methodology



Learner workbook from website!



Future Actuary?

Our Website tutorial:

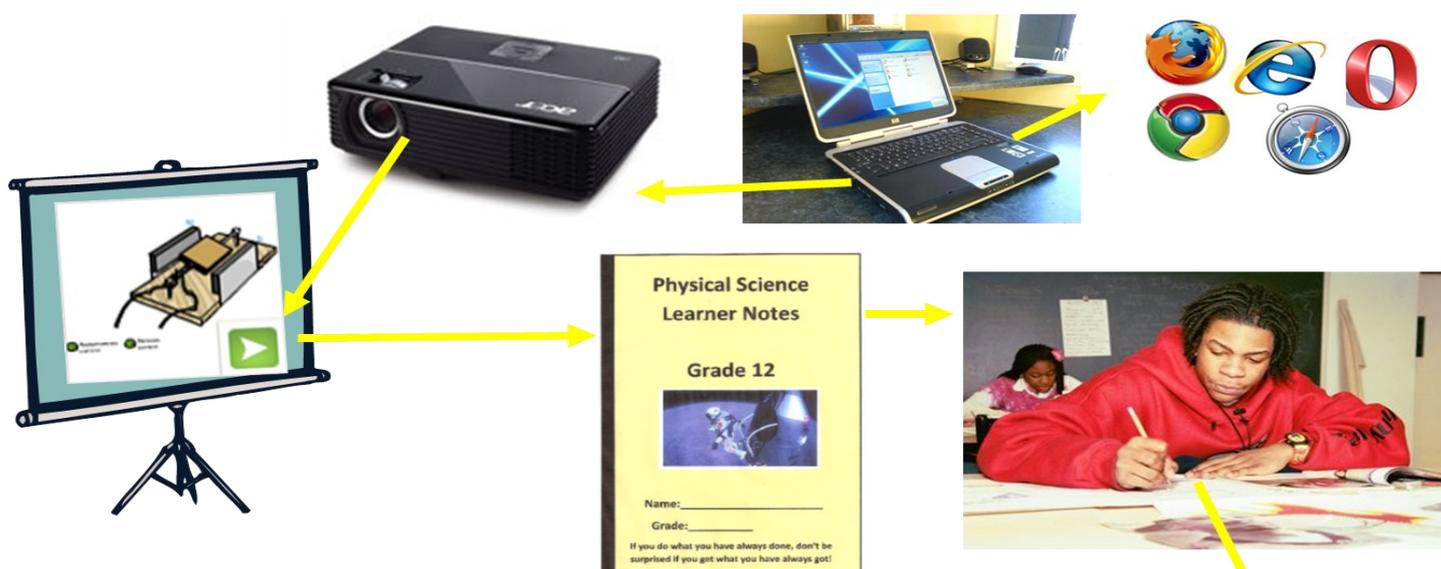
This tutorial helps you to learn your way around our website & enables you to become familiar with all that the site has to offer:

- ▶ View 100 000 pages, simulations & video links to material from this tutorial link
- ▶ 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>

See how methodology works:



Your Lab or classroom set up.

This flow chart gives a diagrammatic sequence of how our methodology works—with the learner workbook being the key component in the system.

Teacher workshops:

How does it work in the classroom?

In 2014 we have started running teacher workshops to help Maths & Science teachers to fully understand the use of the materials and methodology in the classroom situation—using:

1. Computer or laptop
2. Data projector
3. Projection screen
4. Learner workbooks containing all the slides to be used during the entire year!

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!



Funding available:

If funds are available, we are prepared and able to run a workshop at your school in the computer lab—provided there are at least 20—30 Maths & Science teachers. Contact us at:

mwteach@mweb.co.za

for more info.

Some interesting/fun links to check:

1. Want to know your IQ?

http://www.test-my-iq.com/en-US/?wm=ZA_adwords_ads

2. Try this science quiz

<http://chemistry.about.com/od/testsquizzes//blsciencequiz1.htm?lastQuestion=8&answers=3&submit=Next+Question+%3E%3E&ccount=6>

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=jKWpl2EuIDA>

5. Kid Snippets — maths fun

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

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.

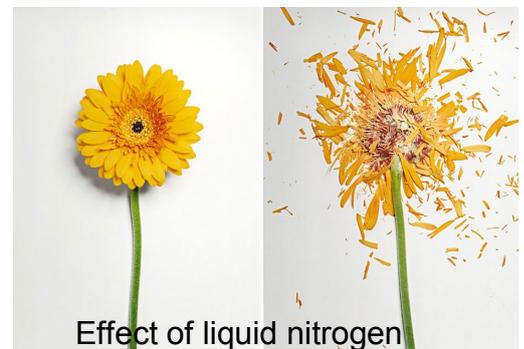
<http://mathsandscience.com/>



Stephen Hawking

When asked what is IQ was he said:

'I have no idea. People who boast about their IQ are losers!'



Effect of liquid nitrogen



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 at school for University entrance & success!

What mark do I need for this exam?

N.B. Matric learners must submit June exam results with their University Application form for 2015! Make sure you do well!

Your Evaluation & study skills:

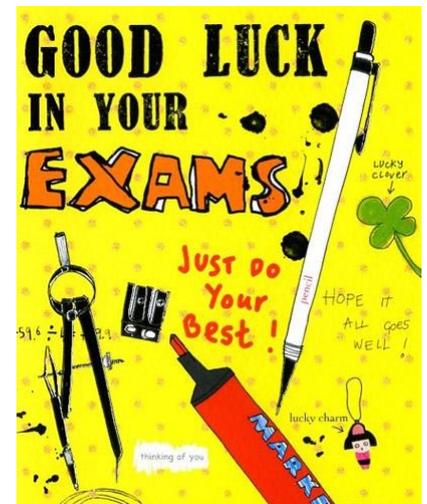
Look at the following link to ensure that you are studying effectively:

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>

