

Weekend Tuition Program for Maths & Physics - Grades 12

January - September 2015

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PROGRAM SYNOPSIS

The complete syllabi for mathematics and physical sciences are covered in the Saturday Tuition Program with over 800 practice questions and facilitated by experienced tutors. The Tuition Club Presently offers a program for grade 11 and 12 learners. The program uses a combination of in-class practice activities, online homework and remedial activities,

extensive in-class examination practice questions and value-added services. The classes are presented over no more than 20 sessions from February to September 2014. No more than 12-15 students will be placed in a class. Should there be great demand we will offer another program on Sundays for grade 12s, thus allowing for two attendance options on the weekend.

Previous Students' & Parents' Testimonials

This 23 day intensive programme has given me a comprehensive view of math. Not only did it reinforce my basics, it also led me to understand the fundamentals of what mathematics really is; it's history and how it came about to be what it is today. - Aneesah Barends (Attended the Matric Math Preparation Course and achieved 7 distinctions in Matric 2014).

Thank you, Imaad! My son wrote his matric exams without any stress and very calmly after having done your 10-day program in May 2013. Thanks for all the support - Mr. Galant (Parent).

BTG matric math and science program was a great help in understanding and helping me reach my goals. - Mehdi Haider (Engineering Graduate, UCT - Attended the program in 2010)

Thanks Imaad for the words of motivation and encouragement, you really encourage us to do better. Keenan you're great as well. - Student in BTG 23-Day Intensive Program 2014.

BTG taught me how to become an independent and confident thinker in maths. - Student in BTG 23-Day Intensive Program 2013.

Program Costs

Once-off registration fee: **R350**

If registering for two subjects, you only pay one registration fee and not an additional R340 - This fee is payable at commencement of first class.

First lesson & registration dates:

Saturday, 31 January 2015 (Grade 12s) @ 13h50

The first two (2) lessons are not charged. Both mathematics and physical sciences will be given on these days. Subsequent lessons are R70 per subject i.e. R70 for a physics lesson and R70 for maths lesson each.

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Venue

All sessions will be conducted at 161 Taronga Road, Rondebosch East.

Dates, Days and Times

Grade 12 Schedule

Session 1	31 January @ 13h50	(Physical Sc. @ 15h45) - not charged*
Session 2	7 February @ 13h50	(Physical Sc. @ 15h45) - not charged*
Sessions 3-5	14, 21, 28 February @ 09h45	(Physical Sc. @ 11h50)
Sessions 6, 7	7, 14 March @ 09h45	(Physical Sc. @ 11h50)
Sessions 8, 9	18, 25 April @ 09h45	(Physical Sc. @ 11h50)
Sessions 10-13	2, 16, 23, 30 May @ 09h45	(Physical Sc. @ 11h50)
Session 14, 15	18, 25 July @ 09h45	(Physical Sc. @ 11h50)
Sessions 16-20	1, 8, 15, 22, 29 August @ 09h45	(Physical Sc. @ 11h50)

If there is sufficient demand an additional program for Saturdays or Sundays will be accommodated for matric students. The dates will adjust to one day after each of the above mentioned dates.

Sessions 1-15 will cover the complete matric syllabus. The remaining sessions are used for final examination preparation and further solidification of concepts where needed.

Optional Math, Physical Sciences, and Life Sciences Camp for Paper 1 (27 - 29 March 2015)

Optional Math, Physical Sciences, and Life Sciences Camp for Paper 2 (8 - 10 May 2015)

Discounts applicable to Weekend Registered Students for these camps.

Matric Winter School is also available and will run during the first two weeks of the mid-year vacation period.

Administrative Details

Program Facilitators: Imaad Isaacs & Keenan Lawrence

Prerequisites

The program is open to current grade 12 learners and private students wishing to write the NSC examinations in 2015. Participants are not required to have done the concepts thoroughly at school, as this program is not necessarily a revision program. However, prior exposure may be an advantage.

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Course Overview

The course is aimed at giving participants a solid appreciation of the mathematical and physical sciences. We will pay attention to deduction, derivations and critical thinking exercises. Each section will be (re)taught before commencing on the exam and higher order practice questions. The course is primarily aimed at addressing any learning gaps in grade content and shortcomings in understanding.

Content Overview

For grade 12s: The course will pay particular attention to the examinable content in the NSC 2015 Final Examinations. Relevant sections of the grade 11 content will also be covered in the program.

Course Structure

The course consists of a combination of in-class activities and practice, online homework and remedial activities, extensive examination practice questions in-class, and value-added services. The key components include the following:

- 1) Group work, homework consolidation, deductive reasoning, applications of and physical sciences, brain growth exercises and learning for a growth mindset.
- 2) Online Homework sessions focussing on solidifying basic skills. (If participants have access to internet at home. This is supplemental. Students may also use our internet on weekends with their own devices.)
- 3) Teaching period with extensive mathematics and physics practice in class and homework.
- 4) Value-added services including: career advice (free), admissions advice/assistance (free) and guidance (free), extra workshops (some free/some charged) and documentary screenings . All courses also offer advice on learning techniques by trained instructors on learning methodologies.

Expected from you, the participant.

You are expected to engage in the class, read and revise the lesson notes daily, before and after a class, do what is asked of you by the lecturer, refrain from copying another participant's work but may work together (it becomes copying when both parties are not gaining a positive learning experience) and spend adequate time with the course material outside of the classroom.

In addition to the above, your engagement with the content beyond the class should be at least 1:1 for every hour spent in class. You are also required to work in groups and adequately contribute to such group activities. Your group will function as a team and you should support your fellow members to ensure maximum benefit from this program. These expectations are laid out so that you, the participant, may gain maximum benefit from the course.

What you can expect from us, the facilitators.

You can expect the best course that we can deliver, a reasonable and appropriate homework load and an open door policy.

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Things to bring along

Stationery - Pen, pencil, book, eraser, writing instruments, the usual tools :)

Lunch - As the program runs for the most part of the day. It is recommended that you bring along a packed lunch and water. Keeping yourself hydrated while doing mathematics and physics is a wise thing to do and keeps your brain in good shape.

A positive attitude and willingness to learn - Don't forget this!

Also, be sure to look after your health, nutrition and exercise routines.

General program rules

You should adhere to the expectations listed above at all times. Also, you should arrive 15 minutes before the class commences for daily registration. You should be settled-in at the scheduled time of commencement.

Missing sessions will not be tolerated. A valid medical certificate may excuse you.

However, missing two or more sessions may be cause for your dismissal from the program, as this has a negative impact on your learning, our teaching and our bottom line.

We look forward to working with you.