

Weekend Tuition Program for Maths & Physics - Grade 12

January - November 2017

PROGRAM SYNOPSIS

The complete syllabi for mathematics and physical sciences are covered in the Saturday or Sunday Tuition Program with over 800 practice questions and facilitated by experienced tutors. YaleSA Presently offers a program for grades 10, 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 33 sessions from February to November. No more than 12 students will be placed in a class. We will avail two program options for Saturdays and Sundays.

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: **See 2017 program contract.**

If registering for two subjects, you only pay one registration fee and not an additional R340 - This fee is payable upon acceptance to the program.

Subsequent lessons are charged per lesson per subject i.e. per lessons for a physics lesson and for each maths lesson. The lesson fees are a commitment to the program and payable in advance in via installments according to the program contract attached.

Additional Costs

Youth and Student Development Program - No charge donations welcomed.

The program focusses on assisting learners with appropriate life skills. These include soft and hard skills to develop the student's personal core, create a sense of community and engagement, develop social consciousness, discover leadership potential and provide opportunities for professional exposure.

Registration for this program is recommended for grade 9 learners and compulsory for all grade 10 - 12 students registering for the 2017 academic year.

Laptop Use Fee*

Annual fee of R320 (payable monthly R32 over 10 months) if the student does not have his/her own laptop and requires the use of the centre's laptops during class sessions. This fee is only applicable if the program requires full/regular use of laptops/electronic devices during sessions.

Venue

All sessions will be conducted at YaleSA: 332 Imam Haron Road, Lansdowne, 7780

Dates, Days and Times

Grade 12 Schedule

Sessions 1-20 cover the complete matric syllabus. The remaining sessions are used for final examination preparation and further solidification of concepts where needed.

Registration and Orientation Day	Saturday	14 January 2017
Grade 12 First Class	Saturday	21 January 2017
	Sunday	22 January 2017
Grade 11 First Class	Saturday	28 January 2017
Grade 10 First Class	Saturday	28 January 2017

Grade 10: Physical Sciences @ 09h00 and Mathematics @ 11h00

Grade 11: Mathematics @ 08h45 and Physical Sciences @ 11h00

Grade 12: Mathematics @ 08h45 and Physical Sciences @ 11h00

The full schedule will be made available on the first meeting of classes on Saturday 21 January 2017.

Administrative Details

Program Lead Facilitator: Imaad Isaacs

Assistant Facilitators: TBA

COURSE DETAILS

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.

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, admissions advice/assistance and guidance , 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.

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.

General Reservations

The Tuition Club, Bridging the Gap South Africa, YaleSA and affiliates of the Imaad Isaacs Foundation reserve the right to amend any dates and times as the need may arise due to unforeseen of special circumstances.