

science school 2022

Excel Study Centre is launching a new science laboratory in August 2022 at our venue in Edenvale, Gauteng. We are excited to offer science practicals and exam prep workshops to homeschooling students who may not have regular access to these facilities.

We have a team of experienced, knowledgeable tutors/practical instructors who are excited share their passion for the sciences.

Practicals

As an introductory special, we are running a series of “trial practicals” during August. We invite Grade 10-12, iGCSE and AS students to meet our experienced, knowledgeable instructors and participate in a two-hour practical. All attendees will receive a discounted fee on any subsequent bookings they make for practical sessions. One lucky attendee who books four practical sessions during October/November, will receive 50% off their next practical.

All our practicals are aligned to the CAIE syllabi and are suitable for CAPS/IEB students who value practical lab experience to enrich their studies. Our practicals are limited to a maximum of 8 students, ensuring personal attention and instruction.

22/8	IG Physics	11am-1pm	Energy Transfer: rate of cooling
24/8	AS Biology	3pm-5pm	Microscopy and plan diagrams
26/8	IG Chemistry	11am-1pm	Preparation of salts: solubility of salts
29/8	AS Physics	11am-1pm	Kinematics: motion
31/8	IG Biology	3pm-5pm	Microscopy and plan diagrams
02/9	AS Chemistry	11am-1pm	Quantitative Analysis: water of crystallisation

Fees for trial practicals are **R200** per person.

Bookings can be made by email: excelstudycentre.jhb@gmail.com

Or Whatsapp: 0832541373

Please include student’s name, practical/s class, parent/contact name, parent/contact number.

The fortnightly practical courses will run from 3 October – 25 November (four sessions per group), resuming in January 2023. All practicals are aligned with CAIE syllabi requirements. Fees are R480 per two hour session or R940 per two sessions (four hours/one month) for AS; R450 per two hour session or R880 per two sessions (four hours/one month) for iGCSE. Fees include use of individual lab station, equipment, supplies, notes and instruction.



Workshops

In September, we offer exam preparation workshops to IGCSE and AS students. Students may choose theory and/or practical workshops, one or more subjects. We offer 15% discount on multiple workshops per person and 10% discount for siblings. Practical workshops include hands-on instruction in our lab. Students are supplied with their own lab coat and protective eyewear, to be used again for their practical examination.

AS Theory prep 9:00-15:00 R1500
5-6 Sept AS Physics Includes dynamics, work, energy and power, electricity, DC circuits
15-16 Sept AS Chemistry Includes stoichiometry, chemical energetics, equilibria, inorganic chemistry, organic chemistry

IGCSE Theory prep 9:00-15:00 R1300
8-9 Sept IGCSE Chemistry Includes stoichiometry, electrochemistry, chemical reactions, organic chemistry, inorganic chemistry
12-13 Sept IGCSE Physics Includes motion, forces and energy, waves, electricity and magnetism, nuclear physics, space physics

AS Practical prep 9:00-15:00 R1900
19-20 Sept AS Chemistry Includes acid-base titration, enthalpy change, thermal decomposition, identification of cations and anions
22-23 Sept AS Physics Includes motion and equilibrium, pressure, electricity, forces
29-30 Sept AS Biology Includes microscopy and drawing plan diagrams, concentrations and dilutions, measuring enzyme activity, exam prep and practice

IGCSE Alt-to-Practical prep 9:00-15:00 R800
21 Sept IG Biology Includes data analysis, graphs and planning experiments, drawing diagrams, exam prep and practice, marking and feedback
26 Sept IG Chemistry Includes Acid-base titration, identification of cations and anions
27 Sept IG Physics Includes motion and equilibrium, pressure



All workshops begin with an introduction to lab equipment, safety rules and etiquette. Workshops include notes, feedback, exam tips, past papers, topical discussions. Practical workshops include hands-on practical activities. Students will be assigned individual, fully-equipped lab stations. Lab coats and protective eyewear is compulsory in the lab and will remain the property of the student.

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