

Workshop details available at [www.yalesa.org](http://www.yalesa.org)

All workshops hosted at The University of Cape Town. Venue details will be made available via email.

PHYSICAL SCIENCES SCRATCH-2-CONFIDENCE WORKSHOPS (GRADE 12 SCHEDULE)					
DATE	DAY	SECTION(S)	DURATION	TIME	GRADES
23/08/2015	Sunday	Momentum and impulse	2 hr	09h00	12
		Vertical projectile motion in one direction	2 hr		12
30/08/2015	Sunday	Organic molecules	4 hr	09h00	11 / 12
06/09/2015	Sunday	Rate and extent of reaction	1 hr	09h00	12
		Chemical equilibrium	3 hr		12
13/09/2015	Sunday	Forces, Newton's Laws, Universal Law of Gravitation	4 hr	09h00	11 / 12
20/09/2015	Sunday	Chemical industries	1 hr	09h00	12
		Work, energy and power	2 hr		12
27/09/2015	Sunday	Electric circuits	2 hr	09h00	11 / 12
		Doppler effect	1.5 hr		11 / 12
04/10/2015	Sunday	Electrodynamics	2 hr	09h00	11 / 12
		AC Current	1.5		12
11/10/2015	Sunday	Acids and bases	4 hr	09h00	11 / 12
18/10/2015	Sunday	Photoelectric Effect & Emission Spectra	2 hr	09h00	12
		Electrochemical reactions	2.5 hr		12

MATHEMATICS SCRATCH-2-CONFIDENCE WORKSHOPS (GRADE 12 SCHEDULE)					
29/08/2015	Saturday	All Calculus - (Derivatives, graphs of cubic functions, optimisation and rates of change)	5 hr	09h00	12
					12
05/09/2015	Saturday	Functions and inverse functions	4 hr	09h00	12
		Exponential and logarithmic functions			12
12/09/2015	Saturday	Euclidean geometry	5 hr	09h00	11 / 12
19/09/2015	Saturday	Number patterns, sequences and series	2 hr	09h00	11 / 12
		Financial mathematics	2 hr		12
26/09/2015	Saturday	Trigonometry (Identities, equations, expressions)	5 hr	09h00	12
03/10/2015	Saturday	Counting and probability	2 hr	09h00	12
10/10/2015	Saturday	Analytical geometry	2 hr	09h00	11 / 12
17/10/2015	Saturday	Trigonometry 3D	2 hr	09h00	12
		Statistics (regression and correlation)	2 hr		12