

SHARJAH INDIAN SCHOOL

SYLLABUS FOR THE ACADEMIC YEAR 2018 – 2019

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(Name & Signature)

Mr. David Xavier

GRADE: 12

SUBJECT: PHYSICS

		THEORY			PRACTICALS		
Month	Unit No.	Title of Lesson	No. of Periods	Name of Experiment / Project Planned	No. of Periods	Remarks	
APRIL 17 Days	I II	Electrostatics Current Electricity	28	Ohm's Law Metre Bridge I	4		
MAY 23 Days	II III	Current Electricity Magnetic Effects of current & Magnetism	28	Metre Bridge II Metre Bridge III Potentiometer – I	4		
JUNE 20 Days	IV	Electromagnetic Induction Alternating Current	26	Potentiometer – II Galvanometer -I Galvanometer – II	4	Periodic test 1 Worksheet based on First term (holiday assignment)	

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SEPTEMBER 16 Days	V VI	Electromagnetic waves Optics (partly)	35	Focal Length of concave mirror Focal Length of convex lens	6	Half yearly examination	
OCTOBER 23 Days	VI VII	Optics (Contd.) Dual Nature of Matter & Radiations	30	Focal Length of concave lens Travelling microscope	4		
NOVEMBER 19 Days	VIII IX	Atoms & Nuclei Electronic Devices (partly.)	17	PN Diode Zener Diode	6	Periodic test 2	
DECEMBER 9 Days	IX X	Electronic Devices (contd.) Communication Systems	16	Transistor characteristics	2	Worksheet based on Second term	
JANUARY	-	Revision	-	-	-	Model examination	

