Syllabus for XPERTSTEM



	Chapter 1	Chapter 2	Chapter 3
Physics	SI units and measurement	Work Energy principles	Electrical circuits, current and
Grade 9 & 10			components
(Division 4)	Mass and Weight	Waves in depth	Power
	Scalars and vectors	Magnetism and Induction	Electrostatics
	Motion, definitions,	Potential difference and	Light and Sound in depth
	interpretation and basic	electromotive force	
	calculations		

	Chapter 1	Chapter 2	Chapter 3
Physics	Mechanics advanced Forces	Doppler Effect	Electrodynamics
Grade 11 & 12	and Vector Calculation understanding		
(Division 5)	Momentum and Impulses	Photoelectric Effect and properties of matter	Mechanics Newtons Laws
	Vertical projectile motion	Electric circuits and EMF in depth	Centrifugal forces
	Work Energy and Power	Electrostatics	Geometric Optics