

Grade 12

Physical Sciences: What to Learn for the June Exam (some notes)

This set of guidelines must be read in conjunction with the Departmental EXAMINATION GUIDELINES for 2009 for Grade 12. This document:

- 1. outlines the content in each area;*
- 2. gives key equations you need to be able to use; and,*
- 3. definitions or statements of laws/ principles (which you must quote from this document).*

PAPER 1. Page numbers for the Study & Master (Red) Textbook

2,3,4	Old Notation	87	De Broglie formula
6,8,9,10	Learn	88	Go through Examples
24	Conservation of Linear Motion; Examples	94 – 110	Examinable [except. 101,102,104,106,107]
26	Inelastic, elastic (know which is which)	108	V_{\max} ...etc. Leave out funny equations
34,35,36	Frames Of Reference (leave out 2D)	111	Capacitors, Equations
40ff	(unit 2: Work, Energy, Power [learn unit])	112	Leave Out equation and Table
58	Doppler Effect	113	Don't need to know formula
59	Add “+.” to equations	138 – 150	read, do multiple choice questions, equations
64, 65	Equations		
77	Huygens' Principle	156 -167	*NB*
76 – 82	single slit and double slit	175	Light and Atmosphere
		177 – 179	Learn

Also (from Grade 11): Newton's Laws, electric circuits and electrodynamics

PAPER 2. Page numbers for the Study & Master (Red) Textbook

209 – 237	Organic Chem. Leave out: nitro comp. and benzene rings	265 – 266	Nice Questions (recommended practice)
259	Read	268 – 284	Rates. Included in June Exam