

Physics 30

2010/2011 Semester 2 (general calendar)

Monday	Tuesday	Wednesday	Thursday	Friday
31 PD Day	February 1 Review of Physics 20 ⇒ kinematics	2 Review of Physics 20 ⇒ vectors, trigonometry	3 Review of Physics 20 ⇒ UCM, dynamics	4 Lesson 1 – Impulse, Change in Momentum
7 Hand-in Lesson 1 Lesson 2 – Momentum in 1 Dimension ⇒ Optional lecture	8 Lesson 2 Activity – <i>1D Momentum</i>	9 Hand-in Lesson 2 Lesson 3 – 2D Momentum ⇒ Optional lecture	10 Work period	11 Hand-in Lesson 3 Lesson 3 Activity – <i>2D Momentum</i>
14 Quiz ⇒ Lessons 1 to 3	15 Lesson 4 – Graphing	16 Hand-in Lesson 4 Review 1 to 4	17 Teacher's convention	18 Teacher's convention
21 Family day	22 Doomsday test ⇒ Lessons 1 to 4	23 Lesson 5 – Introduction to Light	24 work period	25 Hand-in Lesson 5 Lesson 6 – Reflection
28 Hand-in Lesson 6 Lesson 7 – Curved mirrors	March 1 Work period Lesson 7 activity	2 Hand-in Lesson 7 Quiz ⇒ Lessons 5 to 7	3 Lesson 8 – Refraction ⇒ Optional lecture	4 Work period
7 Lesson 8 Activity	8 Hand-in Lesson 8 Lesson 9 – Lenses	9 Hand-in Lesson 9 Lesson 9 Activity	10 Quiz ⇒ Lesson 8 to 9	11 Lesson 10 – Dispersion, scattering, colour, polarisation ⇒ activity
14 Hand-in Lesson 10 Lesson 11 – Double slit interference ⇒ Optional lecture	15 Hand-in Lesson 11 Lesson 12 – Diffraction gratings ⇒ activity	16 Hand-in Lesson 12 Quiz ⇒ Lessons 10 to 12	17 Review 1 to 12	18 Doomsday Test ⇒ Lessons 1 to 12
21 Lesson 13 Activity – <i>Electrostatics</i>	22 Work period	23 Hand-in Lesson 13 Lesson 14 – Coulomb's Law ⇒ Optional lecture	24 Work period	25 Spring break begins Hand-in Lesson 14 Quiz ⇒ Lesson 13 to 14

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April 4 Lesson 15 – Electric Fields	5 Hand-in Lesson 15 Lesson 16 – Electric potential	6 Hand-in Lesson 16 Lesson 17 – Parallel plates ⇒ Optional lecture	7 Work period	8 Hand-in Lesson 17 Lesson 18 – Electric current
11 Hand-in Lesson 18 Quiz ⇒ Lessons 15 to 18	12 Review 1 to 18	13 Doomsday test ⇒ Lessons 1 to 18	14 Lesson 19 – Magnetic fields	15 Hand-in Lesson 19 Lesson 19 Activity
18 Lesson 20 – Magnetic forces on charged particles	19 Hand-in Lesson 20 Lesson 21 – Motor effect	20 Hand-in Lesson 21 Quiz ⇒ Lessons 19 to 21	21 Lesson 22 – Generator effect	22 Good Friday
25 Hand-in Lesson 22 Lesson 23 Activity – <i>Lenz's Law</i>	26 Hand-in Lesson 23 Lesson 24 – Electro-magnetic radiation	27 Work period	28 Parent/Teacher Interviews	29 Hand-in Lesson 24 Quiz ⇒ Lessons 22 to 24
May 2 Review 1 to 24	3 Doomsday Test ⇒ Lessons 1 to 24	4 Lesson 25 – Early Atomic Models Lesson 26 – Cathode Rays	5 Work period	6 Hand-in Lesson 26 Lesson 27 – Rutherford's Model of the Atom
9 Hand-in Lesson 27 Quiz ⇒ Lessons 25 to 27	10 Lesson 28 – Quantization of Light ⇒ Optional lecture	11 Hand-in Lesson 28 Lesson 29 – Photoelectric effect ⇒ Optional lecture	12 Hand-in Lesson 29 Lesson 29 Activity – <i>Photoelectric phet effect</i>	13 Hand-in Lesson 29 activity Lesson 30 – Light Spectra & Excitation States ⇒ Optional lecture
16 Work period	17 Hand-in Lesson 30 Quiz ⇒ Lesson 28 to 30	18 Lesson 31 – The Bohr Model	19 Personal planning day	20 PD day
23 Victoria day	24 Hand-in Lesson 31 Lesson 32 – X-rays and Compton Effect ⇒ Optional lecture	25 Work period	26 Hand-in Lesson 32 Lesson 33 – Waves and Particles ⇒ Optional lecture/video	27 Hand-in Lesson 33 Quiz ⇒ Lesson 31 to 33

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30 Lesson 34 – Wave Mechanics/Uncertainty ⇒ optional Review 1 to 33	31 Doomsday Test ⇒ Lessons 1 to 33	June 1 Lesson 35 – Nuclear physics	2 Hand-in Lesson 35 Lesson 36 – Radioactivity	3 Work period
6 Hand-in Lesson 36 Quiz ⇒ Lesson 35 to 36	7 Lesson 37 – particle physics ⇒ Optional lecture	8 Work period	9 Hand-in Lesson 37 Lesson 38 – quarks	10 Work period
13 Hand-in Lesson 38 Doomsday Test ⇒ Lessons 35 to 38	14 Diploma marks due at 2:30 pm	15 Diploma prep.	16 Diploma prep.	17 Diploma prep.
20 Diploma prep.	21 Diploma prep.	22 Diploma prep.	23 Diploma prep.	24 Diploma prep.
27 Diploma Exam 9:00 AM 2 hours + 30 minutes Peter's drive-in	28	29	30	July 1