

Physics 30

2014/2015 Semester 1 (general calendar)

Monday	Tuesday	Wednesday	Thursday	Friday
September 1 Labour Day	2 Review of Physics 20 ⇒ kinematics ⇒ vectors, trigonometry	3 Review of Physics 20 ⇒ UCM, dynamics	4 NSS camp	5 NSS camp
8 Lesson 1 – Momentum in 1 Dimension ⇒ Optional lecture	9 Lesson 1 Activity – <i>1D Momentum</i>	10 Hand-in Lesson 1 Lesson 2 – 2D Momentum ⇒ Optional lecture	11 Work period	12 Hand-in Lesson 2 Lesson 2 Activity – <i>2D Momentum</i>
15 Lesson 3 – Impulse, Change in Momentum	16 Hand-in Lesson 3 Quiz ⇒ Lessons 1 to 3	17 Lesson 4 – Graphing Review 1 to 4	18 Hand-in Lesson 4 Doomsday test ⇒ Lessons 1 to 4	19 Non-Instruction day
22 Lesson 5 – Introduction to Light	23 Work period	24 Hand-in Lesson 5 Lesson 6 – Reflection	25 Hand-in Lesson 6 Lesson 7 – Curved mirrors	26 Lesson 7 activity work period
29 Hand-in Lesson 7 Lesson 8 – Refraction ⇒ Optional lecture	30 Quiz ⇒ Lessons 5 to 7	October 1 Hand-in Lesson 8 Lesson 8 Activity	2 Lesson 9 – Lenses	3 Hand-in Lesson 9 Lesson 9 Activity
6 Quiz ⇒ Lesson 8 to 9	7 Lesson 10 – Dispersion, scattering, colour, polarisation ⇒ activity	8 Hand-in Lesson 10 Lesson 11 – Double slit interference ⇒ Optional lecture	9 Hand-in Lesson 11 Lesson 12 – Diffraction gratings ⇒ activity	10 Hand-in Lesson 12 Quiz ⇒ Lessons 10 to 12
13 Thanksgiving day	14 Review 1 to 12	15 Doomsday Test Lessons 1 to 12	16 Lesson 13 Activity – <i>Electrostatics</i>	17 work period
20 Hand-in Lesson 13 Lesson 14 – Coulomb's Law ⇒ Optional lecture	21 work period	22 Hand-in Lesson 14 Quiz ⇒ Lesson 13 to 14	23 Lesson 15 – Electric Fields	24 Hand-in Lesson 15 Lesson 16 – Electric potential

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27 Hand-in Lesson 16 Lesson 17 – Parallel plates ⇒ Optional lecture	28 Hand-in Lesson 17 Lesson 18 – Electric current	29 Hand-in Lesson 18 Quiz ⇒ Lessons 15 to 18	30 Review 1 to 18	31 Non-Instruction day
November 3 Doomsday test ⇒ Lessons 1 to 18	4 Lesson 19 – Magnetic fields	5 Hand-in Lesson 19 Lesson 20 – Magnetic forces on charged particles	6 No Classes Parent-Teacher Interviews 11:00 to 7:00	7 Hand-in Lesson 20 Lesson 21 – Motor effect
10 Non-Instruction day	11 Hand-in Lesson 21 Quiz ⇒ Lessons 19 to 21	12 Lesson 22 – Generator effect	13 Hand-in Lesson 22 Lesson 23 Activity – <i>Lenz's Law</i>	14 Hand-in Lesson 23 Lesson 24 – Electro-magnetic radiation
17 work period	18 Hand-in Lesson 24 Quiz ⇒ Lessons 22 to 24	19 Review 1 to 24	20 Doomsday Test ⇒ Lessons 1 to 24	21 Non-Instruction day
24 Lesson 25 – Early Atomic Models Lesson 26 – Cathode Rays	25 work period	26 Hand-in Lesson 26 Lesson 27 – Rutherford's Model of the Atom	27 Hand-in Lesson 27 Lesson 28 – Quantization of Light ⇒ Optional lecture	28 Quiz ⇒ Lessons 25 to 27
December 1 Hand-in Lesson 28 Lesson 29 – Photoelectric effect	2 Hand-in Lesson 29 Lesson 29 Activity – <i>Photoelectric phet effect</i>	3 Mark Lesson 29 activity Lesson 30 – Light Spectra & Excitation States ⇒ Optional lecture	4 Work period	5 Non-Instruction day
8 Hand-in Lesson 30 Lesson 31 – The Bohr Model	9 Quiz ⇒ Lesson 28 to 30	10 Hand-in Lesson 31 Lesson 32 – X-rays and Compton Effect ⇒ Optional lecture	11 Work period	12 Hand-in Lesson 32 Lesson 33 – Waves and Particles ⇒ Optional lecture/video

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15 Hand-in Lesson 33 Quiz ⇒ Lesson 31 to 33	16 Lesson 34 – Wave Mechanics/Uncertainty ⇒ optional Review 1 to 33	17 Doomsday Test ⇒ Lessons 1 to 33	18	19
January 5 No classes	6 Lesson 35 – Nuclear physics	7 Hand-in Lesson 35 Lesson 36 – Radioactivity	8 Hand-in Lesson 36 Quiz ⇒ Lesson 35 to 36	9 Lesson 37 – particle physics ⇒ Optional lecture
12 Hand-in Lesson 37 Lesson 38 – quarks	13 Hand-in Lesson 38 Doomsday Test Lessons 35 to 38	14	15	16
19 Deadline All work must be in and complete by 2:00 pm	20 Diploma prep.	21 Diploma prep.	22 Diploma prep.	23 Diploma prep.
26 Diploma prep.	27 Diploma Exam 9:00 AM 2 hours + 30 minutes	28	29	30