Physics 30 2014/2015 Semester 2 (general calendar)

Monday	Tuesday	Wednesday	Thursday	Friday
February 2 Review of Physics 20 ⇒ kinematics ⇒ vectors, trigonometry	**3** Review of Physics 20 ⇒ UCM, dynamics	**4** Lesson 1 – Momentum in 1 Dimension ⇒ Optional lecture	**5** Lesson 1 Activity – *1D Momentum*	**6** Hand-in Lesson 1 Lesson 2 – 2D Momentum ⇒ Optional lecture
9 Work period	**10** Hand-in Lesson 2 Lesson 2 Activity – *2D Momentum*	**11** Lesson 3 – Impulse, Change in Momentum	**12** **Teacher's convention**	**13** **Teacher's convention**
16 **Family day**	**17** Hand-in Lesson 3 Quiz ⇒ Lessons 1 to 3	**18** Lesson 4 – Graphing	**19** Hand-in Lesson 4 Review 1 to 4	**20** Doomsday test ⇒ Lessons 1 to 4
23 Lesson 5 – Introduction to Light	**24** work period	**25** Hand-in Lesson 5 Lesson 6 – Reflection	**26** Hand-in Lesson 6 Lesson 7 – Curved mirrors	**27** Work period Lesson 7 activity
March 2 Hand-in Lesson 7 Quiz ⇒ Lessons 5 to 7	**3** Lesson 8 – Refraction	**4** Work period	**5** Lesson 8 Activity	**6** 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	**12** Hand-in Lesson 10 Lesson 11 – Double slit interference	**13** 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	**19** **No Classes** **Parent-Teacher Interviews** **11:00 to 7:00**	**20** **Non-instruction Day**
30 Lesson 13 Activity – *Electrostatics*	**31** Work period	**April 1** Hand-in Lesson 13 Lesson 14 – Coulomb's Law	**2** Work period	**3** **Good Friday**

Monday	Tuesday	Wednesday	Thursday	Friday
6 **Non-instruction Day**	**7** Hand-in Lesson 14 Quiz ⇒ Lesson 13 to 14	**8** Lesson 15 – Electric Fields	**9** Hand-in Lesson 15 Lesson 16 – Electric potential	**10** Hand-in Lesson 16 Lesson 17 – Parallel plates
13 Work period	**14** Hand-in Lesson 17 Lesson 18 – Electric current	**15** Hand-in Lesson 18 Quiz ⇒ Lessons 15 to 18	**16** Review 1 to 18	**17** Doomsday test ⇒ Lessons 1 to 18
20 Lesson 19 – Magnetic fields	**21** Hand-in Lesson 19 Lesson 19 Activity	**22** Lesson 20 – Magnetic forces on charged particles	**23** Hand-in Lesson 20 Lesson 21 – Motor effect	**24** Hand-in Lesson 21 Quiz ⇒ Lessons 19 to 21
27 Lesson 22 – Generator effect	**28** Hand-in Lesson 22 Lesson 23 Activity – *Lenz's Law*	**29** Hand-in Lesson 23 Lesson 24 – Electro-magnetic radiation	**30** Work period	**May 1** Hand-in Lesson 24 Quiz ⇒ Lessons 22 to 24
4 Review 1 to 24	**5** Doomsday Test ⇒ Lessons 1 to 24	**6** **Personal Planning Day** **No Class**	**7** Lesson 25 – Early Atomic Models Lesson 26 – Cathode Rays	**8** Hand-in Lesson 26 Lesson 27 – Rutherford's Model of the Atom
11 Hand-in Lesson 27 Quiz ⇒ Lessons 25 to 27	**12** Lesson 28 – Quantization of Light	**13** Hand-in Lesson 28 Lesson 29 – Photoelectric effect	**14** Hand-in Lesson 29 Lesson 29 Activity – *Photoelectric* **phet** *effect*	**15** **Non-instruction Day**
18 **Victoria day**	**19** Hand-in Lesson 29 activity Lesson 30 – Light Spectra & Excitation States	**20** Work period	**21** Hand-in Lesson 30 Quiz ⇒ Lesson 28 to 30	**22** Lesson 31 – The Bohr Model
25 Hand-in Lesson 31 Lesson 32 – X-rays and Compton Effect	**26** Hand-in Lesson 32 Lesson 33 – Waves and Particles ⇒ Optional video	**27** Hand-in Lesson 33 Quiz ⇒ Lesson 31 to 33	**28** Lesson 34 – Wave Mechanics/Uncertainty ⇒ optional Review 1 to 33	**29** Doomsday Test ⇒ Lessons 1 to 33

Monday	Tuesday	Wednesday	Thursday	Friday
June 1 Lesson 35 – Nuclear physics	**2** Hand-in Lesson 35 Lesson 36 – Radioactivity	**3** work period	**4** Hand-in Lesson 36 Quiz ⇒ Lesson 35 to 36	**5** Lesson 37 – particle physics ⇒ Optional lecture
8 Hand-in Lesson 37 Lesson 38 – quarks	**9** Hand-in Lesson 38 Doomsday Test ⇒ Lessons 35 to 38	**10**	**11**	**12**
15	**16** **Deadline** All work must be in and complete by 2:00 pm	**17** Diploma prep.	**18** Diploma prep.	**19** Diploma prep.
22 Diploma prep.	**23** **Diploma Exam** 9:00 AM 2 hours + 30 minutes	**24**	**25**	**26**