



SCIENCE YEAR PLANNER (LTP)

YEAR 12 AS Physics 2019-20- WTR-FXX and WTR-JEP



Term	Teacher	Learning content/skills	Assessment schedule	Home Learning Support (How students can extend learning in addition to homework)
Autumn 1	Teacher 1 (5 lessons per fortnight) WTR – 12B3/Ph1 And 12B4/Ph1	Module 1 Development of practical skills in Physics - 1.1 Practical skills assessed in a written examination Module 2 Foundations of Physics - 2.1 Physical quantities, units and measurements - 2.2 Nature of quantities	CAT for: 1.1, 2.1 and 2.2 Common HW for: 1.1, 2.1 and 2.2 End of unit test for: 1.1, 2.1 and 2.2 (1 hour)	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly
	Teacher 2 (4 lessons per fortnight) JEP – 12B3/Ph2 FXX – 12B4/Ph2	Module 4 Electrons, Waves and Photons - 4.1 Electricity: charge and current - 4.2 Electricity: energy, power and resistance	CAT for: 4.1, 4.2 Common HW for: 4.1,4.2 End of unit test for: 4.1 PAG 3.1 resistivity of metal PAG 3.2 Investigating component characteristics	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly
Autumn 2	Teacher 1 (5 lessons per fortnight) WTR – 12B3/Ph1 And 12B4/Ph1	Module 2 Foundations of Physics - 2.2 Nature of quantities Module 3 Forces and Motion - 3.1 Motion Revision for Dec PPE	CAT for: 2.2 and 3.1 Common HW for: 2.2 and 3.1 End of unit test for: 2.2 and 3.1(1 hour) PAG 1.1 Acceleration of freefall	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly
	Teacher 2 (4 lessons per fortnight) JEP – 12B3/Ph2 FXX – 12B4/Ph2	Module 4 Electrons, Waves and Photons - 4.2 Electricity: energy, power and resistance -4.3 Electricity: Electrical circuits Revision for Dec PPE	End of unit Test for: 4.2 CAT for: 4.3 Common HW for: 4.3 End of unit test for: 4.3 PAG 4.1 investigating circuits	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly

*All assessments may be subject to alteration to best suit the learning needs of students.

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Spring 1	Teacher 1 (5 lessons per fortnight) WTR – 12B3/Ph1 And 12B4/Ph1	Module 3 Forces and Motion - 3.2 Forces in action - 3.3 Work, energy and power	CAT for: 3.2 and 3.3 Common HW for: 3.2 and 3.3 End of unit test for: 3.2 and 3.3(1 hour each) PAG 1.2 Terminal velocity	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly
	Teacher 2 (4 lessons per fortnight) JEP – 12B3/Ph2 FXX – 12B4/Ph2	Module 4 Electrons, Waves and Photons - 4.4 Waves	CAT for: 4.4 Common HW for: 4.4 PAG 5.3 Using an oscilloscope PAG 5.1 finding wavelength using a diffraction grating	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly
Spring 2	Teacher 1 (5 lessons per fortnight) WTR – 12B3/Ph1 And 12B4/Ph1	Module 3 Forces and Motion -3.4 Materials -3.5 Newton’s laws of motion	CAT for: 3.4 and 3.5 Common HW for: 3.4 and 3.5 End of unit test for: 3.4 and 3.5 (1 hour each) PAG 2.1 Young modulus of a wire PAG 2.2 springs in series and parallel	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly
	Teacher 2 (4 lessons per fortnight) JEP – 12B3/Ph2 FXX – 12B4/Ph2	Module 4 Electrons, Waves and Photons - 4.4 Waves - 4.5 Quantum physics	CAT for: 4.5 Common HW for: 4.5 End of unit test for: 4.4 and 4.5(1 hour each) PAG 6.1 Planck constant	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly

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Summer 1	Teacher 1 (5 lessons per fortnight) WTR – 12B3/Ph1 And 12B4/Ph1	Revision for AS exams and consolidation of the course		Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly -Revision Booklets
	Teacher 2 (4 lessons per fortnight) JEP – 12B3/Ph2 FXX – 12B4/Ph2	Revision for AS exams and consolidation of the course		Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly -Revision Booklets
AS exam and exam leave				
Summer 2	Teacher 1 (5 lessons per fortnight) WTR – 12B3/Ph1 And 12B4/Ph1	Module 6 Particles and medical physics - 6.5 Medical imaging	CAT for: 6.5 Common HW for: 6.5 End of unit test for: 6.5(1 hour)	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly
	Teacher 2 (4 lessons per fortnight) JEP – 12B3/Ph2 FXX – 12B4/Ph2	Introduction to theory of Logs and application in presentation of practical data in log graphs . PAG 12.1 research and presentation task	PAG 12.1 research tasks Presentation for PAG 12.1	Access to past paper questions via Firefly pages and also access to all lesson resources via Firefly