

Spec Ref	Topic	TAP episode	comments
Unit 1.3	1. Kinematic equations	205	Begins with scalars and vectors
	2. ICT use		
	3. s/t, v/t graphs etc		
	4. Projectiles	207	
	5. Scalars and vectors	201 205	Introduction Application to kinematics
	6. Resolving vectors	202	TAP work goes further than required
	7. Combining vectors	201	
	8. Free body diagrams & centre of gravity		
	9. $F=ma$	211	
	10. 'g' and weight Measuring 'g'	206	Experimental details
	11. Newton's Third Law	212	
	12. Kinetic energy	217-3	Questions using KE and PE
	13. Potential energy	217-3	Questions using KE and PE
	14. Conservation of energy	217	
	15. $WD = F \times s$	214	
	16. Applications of mechanics		
	17. Power	218	
Unit 1.4	18. Flow and viscous drag	208/209	
	19. Viscosity		
	20. Stokes Law	209	Experiment but NOT the theory
	21. Viscosity and temperature		
	22. Force, extension and stress/strain graphs, elastic limit.	228-5 228-2	Graph only Elastic limit and Y.Pt
	23. Hooke's Law	227	
	24. Breaking stress, stiffness, The Young Modulus	228	
	25. Elastic and plastic deformation		
	26. <i>Brittle, ductile, malleable, stiff etc</i>		
	27. Elastic strain energy	229	