

				From strength to strength	
Subject	Υe	ear	Ter	m	
Physics	13		2		
Topic					
Particle Physics topic 8					
Content (Intent)					
Prior Learning (Topic) Topic 2 (mechanics), GCSE atomic Physics (10P4)					
Structure of the atom Rutherford scattering experiments High energy scattering experiment					
Creation and annihilation of matter $\Delta E = c^2 \Delta m$ Non-SI units of MeV and GeV (end Principles of cloud, bubble & spark charter than the standard model Particle collisions: interpretation with	ergy) and MeV/c ² ambers, ionisation (, GeV/c² (mass)			
How will knowledge and skills	be taught?	How will your understanding be assessed & recorded (Impact)			
(Implementation) Computer simulation of Rutherford's experiment. Use bubble chamber images and a variety of interactions to illustrate particle collisions.		recorded (Impact) Homework Booklet 8 marked and written feedback given Test 8 marked, graded and feedback given			
How can parents help at hom	ie?				
Check that the homework booklet 8 is completed					
Helpful further reading/discussion					

Panding Variable Teading/discussion

Reading	Vocabulary Lists	Careers Links
Advanced Physics for you	See front of homework	
chapters 27	booklet	