

High Tunstall College of Science Curriculum Intent

Subject: Trilogy Physics Year: 11

Thread 2—Particles and radiation



	Physics Thread 2	Progress		
Topic	Key ideas	R	A	G
Particles and radiation	I can review nuclear radiation			
	I can formulate nuclear equations for alpha and beta decay			
	I can calculate half lives of different isotopes			

Lesson	Learning Focus	Assessment	Key Words
1	What can I remember about radiation?	SOLO taxonomy tasks	Radiation , alpha, beta, gamma, decay
2	What happens when isotopes decay?	Completion of equations looking at decay	Decay. Alpha, beta, nucleus
3—4	What is half life, and why is this important?	Calculation of half lives and application to different contexts	Half life , decay, alpha, beta, gamma