Year Grou	ıp: 12	Subject: Physics	Term: Spring 2022			
Topic		Key Learni	ng points	Assessment		
Topic 4: materials	 various ma with those unders calcula estima calcula calcula calcula interpr unders elastic 	To understand the determine the Young materials. Carry out a detailed analysis of understands. Carry out a detailed analysis of understands. It and Hooke's law and be able to make calculate the elastic strain energy stored in a deformation at the tensile/compressive stress at the tensile/compressive strain and the Young modulus. It and and apply the terms limit of proportion deformation and plastic deformation in relatoractical 5: Determine the Young modulus of	Students will be formatively assessed during each topic by past paper questions completed in lesson time. • Students will complete homework assignments as ongoing assessment of understanding. • Teachers will provide students with targeted feedback, based on their test performance.			
Topic 5: waves and particle nature of light	End Point: polarisation Und Use Und	n occurs using various filters derstand what is meant by refraction e Snell's law equation derstand how to measure the refractive indederstand that waves can be reflected and traction derstand what is meant by critical angle, an able to predict if TIR can occur at an interfaction	ex of a solid ansmitted at a media interface d how it can be calculated ce aplain how converging and diverging lenses affect ens lens combination g and a diverging lens ating to images. fications risation estigate stresses in a material	At the end of the term students will have a summative assessment. This will be a 60-mark exam paper which will be marked by their teacher.		