

# Y9 Physics progression

KH is responsible for writing lessons

Key:

*Separates only content*

**Assessment:** Y9 teacher teaching physics to organise. All classes to do the same assessment.

**Required practical:** See Y10 folder for guidance and practical sheets - To be written up in a 'skinny yellow exercise book' Name, class, and Required practicals on the front.

Have students divide it into thirds - Biology required practicals - page 1 in first third; Chemistry required practicals - page 1 in second third; Physics required practicals - page 1 in final third of lab book.

Absent students **MUST** copy up and record results. Other students perhaps take photographs? (Very good onion cell photos taken through the eyepiece lens of the microscope with 9sc1 last year)

Chapter P12: Waves			
1	P12.1 The nature of waves		
2	P12.2 The properties of waves		
3	<b>Required practical: Investigating waves in a ripple tank</b>		
4	P12.3 Reflection and refraction	Homework	Self/ peer
5	P12.4 More about waves		
6	<i>P12.5 Sound waves</i>		
7	<i>P12.6 The uses of ultrasound</i>	<i>Homework</i>	Self/ peer
8	<i>P12.7 Seismic waves</i>		
9	<b>End of topic common assessment</b>		<b>PENS teacher assessment</b>
10	<b>Assessment review and next steps</b>	<b>Targeted moving forward homework</b>	Student NS response
Chapter P13: The electromagnetic spectrum			
11	P13.1 The electromagnetic spectrum		
12	P13.2 Light. infrared, microwaves, and radio waves		
13	<b>Required practical: Absorption and emission of radiation</b>		
14	P13.3 Communications	Homework	Self/ peer
15	P13.4 Ultraviolet waves, X-rays, and gamma rays		
16	P13.5 X-rays in medicine		
17	<b>End of topic common assessment</b>		<b>PENS teacher</b>

			<b>assessment</b>
<b>18</b>	<b>Assessment review and next steps</b>	<b>Targeted moving forward homework</b>	Student NS response
<b>Chapter P14: Light</b>			
19	<i>P14.1 Reflection of light</i>		
20	<i>P14.2 Refraction of light</i>		
<b>21</b>	<b>Required practical: Investigating refraction of light</b>	<i>Homework</i>	Self/ peer
22	<i>P14.3 Light and Colour</i>		
<b>23</b>	<b>Required practical: Surface tests</b>		
24	<i>P14.4 Lenses</i>		
25	<i>P14.5 Using lenses</i>		
<b>26</b>	<b>End of topic common assessment</b>		<b>PENS teacher assessment</b>
<b>27</b>	<b>Assessment review and next steps</b>	<b>Targeted moving forward homework</b>	Student NS response