

Separate Science - Physics

Date (w/b)	Assessment	Unit(s)
4/9/23		P1 – Energy Stores & Transfers <ul style="list-style-type: none"> • P1.1 – Changes in energy stores • P1.2 – Conservation of energy • P1.3 – Energy & Work • P1.4 – Gravitational Potential Energy • P1.5 – Kinetic & Elastic energy • P1.6 – Energy dissipation • P1.7 – Energy & efficiency • P1.8 – Electrical appliances • P1.9 – Electrical power P2 – Energy transfer by heating <ul style="list-style-type: none"> • P2.1 - Energy transfer by conduction • P2.2 - Infrared radiation • P2.3 – More about IR radiation (HT)
11/9/23		
18/9/23		
25/9/23		
2/10/23		
9/10/23		
16/10/23		
30/10/23		P2 – Energy transfer by heating <ul style="list-style-type: none"> • P2.4 – Specific Heat Capacity • P2.4 – Required practical • P2.5 – Heating & Insulating Buildings P3 – Energy resources <ul style="list-style-type: none"> • P3.1 – Energy demands • P3.2 – P3.3 – Energy resources • P3.4 – P3.5 – Environment & Issues P6 – Molecules & Matter <ul style="list-style-type: none"> • P6.1 – Density • P6.1 – Required practical • P6.2 – States of matter • P6.3 – Changes of state • P6.4 - Internal energy • P6.5 – Specific latent heat
6/11/23		
13/11/23		
20/11/23		
27/11/23		
4/12/23		
11/12/23		
1/1/24		
8/1/24		
15/1/24		
22/1/24		P6 – Molecules & Matter cont. <ul style="list-style-type: none"> • P6.6 – Gas pressure & temperature • P6.7 – Gas pressure & Volume P7 – Radioactivity <ul style="list-style-type: none"> • P7.1 – Atoms & radiation • P7.2 – Discovery of the nucleus • P7.3 – Changes in the nucleus • P7.4 – Alpha, Beta, Gamma • P7.5 – Activity & Half-life • P7.6 – Nuclear radiation in medicine
29/1/24		
5/2/24		
12/2/24		
26/2/24		
4/3/24		
11/3/24		P7 – Radioactivity cont. <ul style="list-style-type: none"> • P7.7 – Nuclear fission • P7.8 – Nuclear fusion • P7.8 – Nuclear issues P8 – Forces in balance <ul style="list-style-type: none"> • P8.1 – Vectors & Scalars • P8.2 – Force between objects
18/3/24		

Separate Science - Physics

25/3/24		<ul style="list-style-type: none"> • P8.3 – Resultant forces • P8.4 – Moments
15/4/24		<p>P8 – Forces in balance cont.</p> <ul style="list-style-type: none"> • P8.5 – Leavers & Gears • P8.6 – Centre of mass • P8.8 – Parallelogram of forces (HT) • P8.9 – Resolution of forces (HT) <p>P9 – Motion</p> <ul style="list-style-type: none"> • P9.1 – Distance – time graphs • P9.2 – Velocity & acceleration
22/4/24		
29/4/24		
6/5/24		
13/5/24		<p>P9 – Motion cont.</p> <ul style="list-style-type: none"> • P9.3 – Velocity – time graphs • P9.4 – Analysing motion graphs <p>P10 – Forces and Motion</p> <ul style="list-style-type: none"> • P10.1 – Force & Acceleration • P10.1 – Required practical
20/5/24		
3/6/24		
10/6/24		
17/6/24		
24/6/24		
1/7/24		
8/7/24		
15/7/24		