



## DRAYTON MANOR HIGH SCHOOL

### Curriculum Map

#### Year 9

Date	Week	Lesson 1	Lesson 2	Lesson 3
1-Sep	1		Speed	Relative motion
8-Sep	2	Speed of sound	Distance-time graphs 1	Distance-time graphs 2
15-Sep	3	Moments	Levers	Solar system, stars, galaxies
22-Sep	4	How space affects us (demo)	The moon	The universe beyond our solar system
29-Sep	5	Revision	<i>End of topic test</i>	Why is the ocean important
6-Oct	6	How do you define a problem	What is the design cycle?	How can we think about materials differently?
13-Oct	7	How do you communicate your design?	Preparing your submission	<i>buffer lesson</i>
20-Oct	8	<i>buffer lesson</i>	Intro- Energy review from all past topics	Endothermic + exothermic (theory + planning)
Half term				



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3-Nov	9	Endothermic + exothermic (practical)	Mass conservation and Thermal decomposition	Reactions of metals with oxygen
10-Nov	10	<i>buffer lesson</i>	<i>Pre-assessment revision</i>	Autumn assessment
17-Nov	11	Reactions of metals with acids (theory + planning)	Reactions of metals with acids (practical)	Reactions of metals with acids (write up)?
24-Nov	12	Reactions of metals with water + reactivity series (demo)	Displacement reactions (theory + planning)	Displacement reactions (practical)
1-Dec	13	Autumn Assessment Review	Displacement reactions (write up)	Investigation (plan with equipment list)
8-Dec	14	Investigation (practical)	Investigation (write up)	Extracting metals
15-Dec	15	9C5 - L12 9C5 revision		
<b>Christmas Holiday</b>				
5-Jan	16	Types of drugs	Smoking	Alcohol
12-Jan	17	Addiction	Transmission of pathogens	Investigating the growth of bacteria (theory + planning)
19-Jan	18	Investigating the growth of bacteria (practical)	Defence against disease	Investigating growth of bacteria (review results + write up)
26-Jan	19	Variolation + Edward Jenner	Vaccination	Revision
2-Feb	20	End of topic test	Waves	Light



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9-Feb	21	Mid year assessment	Reflection	Refraction
<b>Half Term</b>				
23-Feb	22	Water waves and superposition	The eye and camera	Colour
2-Mar	23	Heat vs temperature	Conduction	Convection
9-Mar	24	Radiation	Revision	Mid year assessment feedback lesson
16-Mar	25	DNA extraction from strawberries	Surface area to volume ratio - feedback task	Variation
23-Mar	26	buffer lesson	buffer lesson	buffer lesson
<b>End of term</b>				
<b>13-Apr</b>	27	Continuous + discontinuous	Inheritance	Natural selection + feedback task
20-Apr	28	Selective breeding	Extinction	Maintaining biodiversity



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27-Apr	29	Cloning	Revision	<i>Pre-assessment revision</i>
4-May	30	End of topic test	Natural selection + feedback task review	<i>Buffer lesson</i>
11-May	31	<b>GCSE Content</b> History of the atom	History of the atom (alpha scattering)	Atomic structure
18-May	32	Relative atomic and mass number	Isotopes and relative atomic mass calculation	Electronic structure
<b>Half term</b>	<b>Half Term</b>			
<b>1-Jun</b>	33	Summer Assessment	Metals and non-metals	History of the periodic table
<b>8-Jun</b>	34	Group 0	Microscopes	Animal and plant cells
<b>15-Jun</b>	35	Eukaryotic and prokaryotic	Specialisation in plant cells	Assessment Feedback
<b>22-Jun</b>	36	Diffusion	Osmosis	Osmosis RP
<b>29-Jun</b>	37	Osmosis RP evaluation	Active transport	Exchanging materials
<b>6-Jul</b>	38	<i>Buffer lesson</i>	<i>Buffer lesson</i>	<i>Buffer lesson</i>
<b>13-Jul</b>	39			
<b>End of term</b>	40			