

## Scheme of Work - IBDP Chemistry

### Standard Level (SL) teaching schedule

<u>Topic</u>	<u>Title</u>	<u>Weeks</u>
<b><u>AUTUMN TERM (Y12)</u></b>		
S1.1	Introduction to the particulate nature of matter	1
S1.2	The nuclear atom	1
S1.4 / R2.1	The mole/amount of chemical change	5
S1.3	Electron configuration	2
S1.5	Ideal gases	2
	Collaborative sciences project	1
<b><u>SPRING TERM (Y12)</u></b>		
S3.1	Periodic table (not halogens)	3
S2.1 - S2.4	Ionic & covalent bonding, metals & models to materials	8
<b><u>SUMMER TERM (Y12)</u></b>		
R1 - R3	Enthalpy changes	5
R3.2 / S3.1	Electron transfer reactions including redox reactions of halogens	5
Tools	Basic coverage/review of tools/skills	2

<b><u>AUTUMN TERM (Y13)</u></b>		
R3.1	Proton transfer reactions (acids and bases)	4
R2.2	Rate of chemical change (reaction kinetics)	3
R2.3	The extent of chemical change (equilibrium)	2
	Scientific investigation	3
<b><u>SPRING TERM (Y13)</u></b>		
S3.2	Functional groups	5
R3.3 / R3.4	Electron & electron-pair sharing reactions	3
	Making connections between topics	3
<b><u>SUMMER TERM (Y13)</u></b>		
	Revision (UK)	2
	<b>Total time</b>	<b>60 weeks (150 hours)</b>

## Higher Level (HL) teaching schedule

<u>Topic</u>	<u>Title</u>	<u>Weeks</u>
<b><u>AUTUMN TERM (Y12)</u></b>		
S1.1	Introduction to the particulate nature of matter	1
S1.2	The nuclear atom	1.5
S1.4 / R2.1	The mole/amount of chemical change	4
S1.3	Electron configuration etc.	2.5
S1.5	Ideal gases	2
	Collaborative sciences project	1
<b><u>SPRING TERM (Y12)</u></b>		
S3.1	Periodic table (minus halogens & transition metal redox reactions)	3
S2.1 - S2-4	Ionic & covalent bonding, metals & models to materials	8
<b><u>SUMMER TERM (Y12)</u></b>		
R1 - R4	Enthalpy changes and spontaneity	5
R3.2 / S3.1	Electron transfer reactions (including redox reactions of halogens and transition elements)	5
Tools	Basic coverage/review of tools/skills	2

<b><u>AUTUMN TERM (Y13)</u></b>		
R3.1	Proton transfer reactions (acids and bases)	4
R2.2	Rate of chemical change (reaction kinetics)	3
R2.3	The extent of chemical change (equilibrium)	2
	Scientific investigation	3
<b><u>SPRING TERM (Y13)</u></b>		
S3.2	Functional groups and spectroscopic identification	5
R3.3 / R3.4	Electron & electron-pair sharing reactions	4
	Making connections between topics	2
<b><u>SUMMER TERM (Y13)</u></b>		
	Revision (UK)	2
	<b>Total time</b>	<b>60 weeks (240 hours)</b>