



## Science ELK Sessions Schedule 2019-2020

Students should attend the session which is appropriate to their tier of entry.

Day/Date	Time	Topic	Tier	Room
Session 1 Tuesday 7 <sup>th</sup> Jan 2020	3.10pm – 3.50pm	<b>B1 Cell biology</b> – cell structures, microscopy, stem cells, cell cycle, diffusion, osmosis and action transport.	<b>Higher/Triple</b>	<b>47</b>
	3.50pm – 4.30pm		Foundation	47
Session 2 Tuesday 14 <sup>th</sup> Jan 2020	3.10pm – 3.50pm	<b>B2 Organisation</b> – Communicable & non-communicable diseases.	<b>Higher/Triple</b>	<b>47</b>
	3.50pm – 4.30pm		Foundation	47
Session 3 Tuesday 21 <sup>st</sup> Jan 2020	3.10pm – 3.50pm	<b>B3 Infection and response</b> – Pathogens, vaccinations, herd immunity, antibiotics, drug discovery and development.	<b>Higher/Triple</b>	<b>47 / 49 (triple)</b>
	3.50pm – 4.30pm		Foundation	47
Session 4 Tuesday 28 <sup>th</sup> Jan 2020	3.10pm – 3.50pm	<b>B4 Bioenergetics</b> – Photosynthesis and respiration.	<b>Higher/Triple</b>	<b>47</b>
	3.50pm – 4.30pm		Foundation	47
Session 5 Tuesday 4 <sup>th</sup> Feb 2020	3.10pm – 3.50pm	<b>C1 Atomic structure &amp; periodic table</b> – Atomic structure, isotopes, history of the atom and periodic table, and group 0, 1, 7.	<b>Higher/Triple</b>	<b>47 / 49 (triple)</b>
	3.50pm – 4.30pm		Foundation	47
Session 6 Tuesday 11 <sup>th</sup> Feb 2020	3.10pm – 3.50pm	<b>C2 Bonding, structure and the properties of matter</b> – Ionic, covalent, and metallic bonding, and structures of carbon.	<b>Higher/Triple</b>	<b>47 / 49 (triple)</b>
	3.50pm – 4.30pm		Foundation	47
<b>HALF TERM</b>				

Continued....



## Science ELK Sessions Schedule 2019-2020

Students should attend the session which is appropriate to their tier of entry.

HALF TERM				
Session 7 Tuesday 25 <sup>th</sup> Feb 2020	3.10pm – 3.50pm	<b>C3 Quantitative Chemistry</b> – Chemical equations, moles, volumes, and concentrations.	<b>Higher/Triple</b>	<b>47 / 49 (triple)</b>
	3.50pm – 4.30pm		Foundation	47
Session 8 Tuesday 3 <sup>rd</sup> March 2020	3.10pm – 3.50pm	<b>C4 Chemical changes</b> – Metals, displacement, acids, and electrolysis. <b>C5 Energy changes</b> – Endo/exo reactions, reaction profiles, and bond energies.	<b>Higher/Triple</b>	<b>47 / 49 (triple)</b>
	3.50pm – 4.30pm		Foundation	47
Session 9 Tuesday 10 <sup>th</sup> March 2020	3.10pm – 3.50pm	<b>P1 Energy</b> – Energy stores and transfers, power, efficiency, and energy resources.	<b>Higher/Triple</b>	<b>47</b>
	3.50pm – 4.30pm		Foundation	47
Session 10 Tuesday 17 <sup>th</sup> March 2020	3.10pm – 3.50pm	<b>P2 Electricity</b> - Electrical components, series & parallel circuits, I-V characteristics, and electricity calculations	<b>Higher/Triple</b>	<b>47 / 49 (triple)</b>
	3.50pm – 4.30pm		Foundation	47
Session 11 Tuesday 24 <sup>th</sup> March	3.10pm – 3.50pm	<b>P3 Particle Model of Matter</b> – changes of state, density of regular and irregular objects, specific latent heat and specific heat capacity.	<b>Higher/Triple</b>	<b>47</b>
	3.50pm – 4.30pm		Foundation	47
Session 12 Tuesday 31 <sup>st</sup> March	3.10pm – 3.50pm	<b>P4 Atomic Structure</b> – Radioactivity, half-lives, and uses of radiation.	<b>Higher/Triple</b>	<b>47 / 49 (triple)</b>
	3.50pm – 4.30pm		Foundation	47