



Eastbrook School

KS 3 Curriculum Summary

2018/2019

Year 7		
Autumn term	Spring term	Summer term
Topics	Topics	Topics
7A-Cells, Tissue and systems. 8A- Food and digestion 7G- Particle Model 7H+ 8F-Atoms, Elements & Molecules (introduction to periodic table)	7E-Mixture and separation 7J – Electricity 7K – forces 7F- Acid and Alkali	7L- Sound 7D – Ecosystem
<p>Maths skills: plotting graph, bar chart, line graph, scatter graph standard form, ratios, percentages, fractions, calculating area, estimating size, mean, mathematical symbols, changing the subject of an equation, using units, converting between units, graph calculations, graph plotting, line of best fit, graph analysis, area and volume NB: questions on maths skills for all the topics are part of the curriculum for year 7. Time is allocated for the skills questions and two skills questions per unit to be done in the lesson and teachers to assess and close the gap where needed.</p> <p>Working scientifically: applications of science, explaining procedure, communication, analysing, asking scientific questions, making prediction, planning an investigation, obtaining, presenting and interpreting data, errors and uncertainties, ways to make notes, facts and opinion NB: Students to improve their skills by attempting extended questions after each topic.</p>		
Useful websites		
www.bbc.com/bitesize	www.samlearning.com/	https://www.youtube.com/
Other ways to support learning		
<p><u>The teaching rota has only two topics for the summer term. This gives teachers enough time to revise and support students to close the gap in their knowledge so that they are ready for the end of the year exam.</u></p> <p>Revision book: students to use the revision book which is sold at a subsidised price from the department. Educational visits: Science Museum, Natural History Museum, Kew Gardens, The Chase, Greenwich Maritime Museum</p>		

Year 8

Autumn term	Spring term	Summer term
Topics	Topics	Topics
<p>8C-Breathing and respiration 9B + 8B -Plants growth 9I-Force and motion 9J- Force field and electromagnets</p>	<p>8E-Combustion 8G-Metals and their uses 8I-Fluids 9A-Genetics and evolution</p>	<p>8J-Light 8k- Energy transfer</p>

Maths skills: calculating density, calculating volume of regular and irregular objects, mean, efficiency, working out the cost of energy, knowledge of variables, using units, converting between units, graph calculations, graph plotting, line of best fit, graph analysis,

NB: Questions on maths skills for all sciences are part of the curriculum for year 8. Time is allocated to complete the task and two skills questions per unit to be done in the lesson and teachers to assess and close the gap.

Working scientifically: applications of science, methods, models, communication, asking scientific questions, hypothesis, planning an investigation, obtaining, presenting and interpreting data, errors and uncertainties.

NB: Students to improve their skills by attempting extended questions after each topic.

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