

## **Year 9 revision topics**

### **History**

You need to revise source work and skills.  
The question will be a 'How useful question'.

### **IT**

Cyber Security  
Issues in Computing (Environmental and Legal)  
Creating an interactive digital media product  
2D Animation  
Python Programming

### **Geography**

Climate change history  
Causes of climate change  
The Greenhouse Effect  
Countries of the Middle East  
Reasons for the growth of Dubai  
Life in hot deserts  
Causes of desertification  
Development data and key terms  
Causes of birth rate and death rate falls in developing countries

### **PSHRE**

My influence / being a role model  
Online behaviour  
Careers  
Self-esteem and confidence  
Mental health  
Understanding credit scores  
Radicalisation and extremism

<b><u>DT</u></b>
Wood, metal and plastic theory - tools and materials CAD tools Isometric drawing Product analysis Mechanisms and simple machines Health and Safety in the workshop Electronics Sustainability Design brief and specification

<b><u>English</u></b>
PEAL paragraphs Inference Imaginative Writing SMILE - poetry writing frame

<b><u>Science</u></b>
Paper 1 - CB9 Ecosystems and material cycles, CB1 Key concepts of Biology, CC1 States of Matter, CC2 Methods of separating and purifying substances.  Paper 2 - CC3 The Atom, CC4 The Periodic Table, CP1 Motion, CP2 Forces and Motion.

### Maths- Foundation tier

	<u>Foundation</u>	<u>Paper 1</u>	<u>June 2019</u>
	<b>Marks</b>	<b>Skills</b>	<b>MathsWatch</b>
1	1	Minutes to hours	
2	1	Decimal to a percentage	85
3	1	BODMAS / BIDMAS	75
4	1	Prime numbers	28
5	1	Halfway values	27
6	4	Money problems	22a
7	3	Vertical line graphs	15
8	2	Ordering fractions	70
9	4	Distance speed time	142
10	4	Solving linear equations	135
11	2	Long multiplication	19
12	5	Angle facts	45 120
13	1	cm and mm	112
14	2	Fractions of amounts	72
15	2	Squares and square roots	81
16	2	Expanding and factorising	134a 94
17	2	Probability	59
18	4	Area problem solving	53 22
19	4	+ - $\times$ $\div$ fractions	71 73
20	3	Percentages of amounts	87
21	4	Two way tables	61
22	4	Relative frequency	125
23	5	Recipes	39
24	2	HCF LCM	80 79
25	2	Plans and elevations	51
26	3	Transformations	48 50
27	4	Ratio within ratios	
28	4	Problem solving - perimeter and area	53
29	3	Features of quadratic graphs	160

### Maths- Higher tier

	<u>Higher</u>	<u>Paper 1</u>	<u>June 2019</u>
	<u>Marks</u>	<u>Skills</u>	<u>MathsWatch</u>
1	4	Relative frequency	125
2	5	Recipes	39
3	2	HCF LCM	80 79
4	2	Plans and elevations	51
5	3	Transformations	48 50
6	4	Ratio within ratios	
7	4	Problem solving - perimeter and area	53
8	4	Estimation, significant figures negative indices	91 90 154
9	3	Multiplying fractions	73
10	2	Simultaneous equations graphically	140
11	4	Finding median and quartiles	62 186
12	3	Similar shapes - volume	200
13	2	Algebraic proof	193
14	2	Exact trigonometry values	173
15	4	Volume sphere & cone	169 171
16	4	Possible combinations	
17	4	Forming and solving a quadratic equation	137
18	5	Simplifying surds	207
19	3	Completing the square	209
20	4	Direct and inverse proportion	199
21	7	Functions	215 214
22	5	Conditional probability	204