

# GCSE Statistics Year 10 Route Map

*This is a guideline – timings are flexible.*



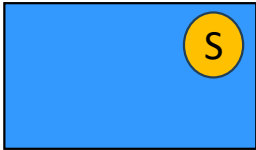
SEPTEMBER					OCTOBER					NOVEMBER					
INSET	<b>Wk1</b> 4.1 Scatter diagrams	<b>Wk2</b> 4.2 Correlation	<b>Wk3</b> 4.3 Causal relationships	<b>Wk4</b> 4.4 Line of best fit	<b>Wk5</b> 4.5 Inter/extrapolation	<b>Wk6</b> 4.6 Equation of line of best fit	<b>Wk7</b> 4.7/4.8 Spearman's rank	<b>Wk8</b> 4.9 Pearson's	<b>Wk9</b> Ch 4 revision and test	CLF Con	INSET	<b>Wk10</b> Holiday	<b>Wk11</b> 5.1 Time series	<b>Wk12</b> 1.1/1.3 Types of data, primary and secondary	<b>Wk13</b> 5.2 Trend lines
NOVEMBER					DECEMBER					JANUARY					
<b>Wk14</b> 1.2/1.4 Grouping and populations	<b>Wk15</b> 5.3 Variations in time series	<b>Wk16</b> 1.5 Capture-recapture	<b>Wk17</b> 5.4 Moving averages	<b>Wk18</b> 1.6/1.7 Random and non-random	<b>Wk19</b> 5.5 Making predictions	Holiday			INSET	<b>Wk20</b> Ch 5 revision and test	<b>Wk21</b> 1.8 Stratified sampling	<b>Wk22</b> 1.9 Collection of data	<b>Wk23</b> 1.10 Questionnaires and interviews		
JANUARY			FEBRUARY			MARCH									
<b>Wk24</b> 1.11 Problems with data	<b>Wk25</b> 1.12 Extraneous	<b>Wk26</b> 1.13/1.14 Hypotheses and designing investigations	<b>Wk27</b> Ch 1 revision and test	<b>Wk28</b> Holiday	<b>Wk29</b> 2.1/2.2 Tables and two-way tables	<b>Wk30</b> 2.2/2.4/2.5 Pictograms, bar charts, stem and leaf	<b>Wk31</b> 2.6/2.7 Comparative pie charts	<b>Wk32</b> 2.8 Population pyramids	<b>Wk33</b> 2.9 Choropleth maps	<b>Wk34</b> 2.10/2.14 Histograms and unequal class widths	<b>Wk35</b> 2.10 Frequency polygons	<b>Wk36</b> 2.11 Cumulative frequency charts	CLF Con		
APRIL				MAY				JUNE							
Holiday			INSET	<b>Wk37</b> 2.12 Shapes of distributions	<b>Wk38</b> 2.14/2.15 Misleading and choosing the right format	May BH	<b>Wk39</b> Ch 2 revision and test	<b>Wk40</b> 3.1/3.2 Averages and from frequency tables	<b>Wk41</b> 3.3 Averages from grouped data	<b>Wk42</b> 3.4/3.5 Transforming data, and geometric and weighted means	<b>Wk43</b> 3.6 Discrete measures of dispersion	<b>Wk44</b> 3.7 Grouped measures of dispersion			
JUNE				JULY											
<b>Wk45</b> Mock Revision	<b>Wk46</b> Y10 Mocks			<b>Wk47</b> 3.8 Standard deviation	<b>Wk48</b> 3.9 Box plots and outliers	Possible starter topics		<b>Term 1</b> <ul style="list-style-type: none"> <li>1/2 mark scatter graphs</li> <li>Equation of line</li> <li>Interpreting m and c</li> <li>Two-way tables</li> <li>Bar charts</li> <li>Histograms</li> </ul>		<b>Term 2</b> <ul style="list-style-type: none"> <li>Time series and trends</li> <li>Types of data and sampling</li> <li>Hypotheses</li> <li>Venn diagrams</li> <li>Probability trees</li> <li>Averages</li> </ul>		<b>Term 3</b> <ul style="list-style-type: none"> <li>Questionnaires and interviews</li> <li>Stratified sampling</li> <li>Frequency tables</li> <li>Cumulative frequency</li> <li>Histograms</li> <li>Choropleth maps</li> <li>Population pyramids</li> </ul>			

# CLF Mathematics Year 11 - Route Map

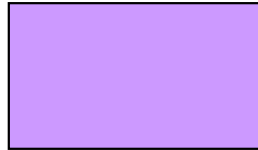
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SEPTEMBER				OCTOBER				NOVEMBER								
INSET	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10						
	3.10 Skewness	3.11 Which average to use	3.12 Comparing data	3.13 Estimates	Ch 3 revision and test	6.1/6.2 Probability	6.3 Risk	6.4/6.5 Sample space and Venn	6.6/6.7 Events and addition law	6.8 Independent	6.9 Tree diagrams	6.10/6.11 Conditional	Ch 6 revision and test	Holiday	Nov Mocks	
NOVEMBER				JANUARY												
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20							
7.1 Index numbers	7.2 RPI, CPI	7.3 Chain base	7.4 Rates of changes	Ch 7 revision and test	8.1 Binomial distribution	8.2 Normal distribution	8.3 Standardised scores	8.4 Control charts	Ch 8 revision and test	KC and reteach cycle Ch 4 and Ch 1						
JANUARY		FEBRUARY				MARCH										
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30							
KC reteach Ch 5	Mock re-vision	Feb Mocks Mock revision		Holiday	Feb Mocks End 1st Mar	KC reteach cycle Ch 5	KC reteach cycle Ch 2	KC reteach cycle Ch 6 and 7	Exam practice of 5/6 mark Qs	KC reteach cycle Ch 8/exam practice						
APRIL				MAY				JUNE								
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40							
Holiday		Class level responsive planning & revision following mocks				Holiday		EXAMS Paper 1 – ____ Jun PM Paper 2 – ____ Jun PM								
JUNE		Term 1				Term 2		Term 3								
Wk41	Wk42	<b>Possible starter topics</b> <ul style="list-style-type: none"> <li>• 1/2 mark scatter graph Qs</li> <li>• Calculating Spearman's rank</li> <li>• Variation in time series</li> <li>• Types of sampling</li> <li>• Capture-recapture</li> <li>• Averages</li> <li>• Standard deviation</li> </ul>				<ul style="list-style-type: none"> <li>• Outliers</li> <li>• Probability</li> <li>• Index numbers</li> <li>• Type of sampling</li> <li>• Definitions</li> <li>• Comparing data</li> <li>• Interpreting data</li> </ul>		<ul style="list-style-type: none"> <li>• Mixed exam questions</li> <li>• Using formulae</li> <li>• 5/6 mark questions</li> <li>• Previous mock questions</li> </ul>								
EXAMS Exam window closes 28th Jun																

## CLF Statistics Route Map Key



Chapter 4:  
Scatter diagrams



Chapter 5:  
Time series



Chapter 1:  
Data collection



Chapter 2:  
Data representation



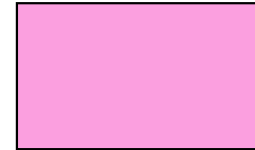
Chapter 3:  
Data calculations



Chapter 6:  
Probability



Chapter 7:  
Index numbers



**Chapter 8:  
Distributions (Higher only)**

### Notes

Chapters with a circle in them have links to the maths curriculum from Y8, 9 and 10

The whole of chapter 8 is for Highrt students only, the latter half of chapter 7 is also for Higher students only