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| **YEAR GROUP** | **AUTUMN 1** | **AUTUMN 2** | **SPRING 1** | **SPRING 2** | **SUMMER 1** | **SUMMER 2** |
| **10** | ***SPECIFY THE PROBLEM & PLAN***a. Data cycleb. Hypothesis c. Study design d. Independent and dependent e. Experimental methods f. Data types | ***COLLECT THE DATA***a. Samplingb. Sampling methods c. Capture & recapture d. Primary and secondary data e. Surveys and interviews f. Questionnaires g. Tally charts/tabulations h. Misleading graphs | ***PROCESS, CONSTRUCT, DISPLAY & INTERPRET DATA***a. Population pyramid b. Choropleth maps c. Two-way tables d. Frequency tables e. Measures of central tendency | ***PROCESS, CONSTRUCT, DISPLAY & INTERPRET DATA***a. Stem and leaf b. Bar chartsc. Pie charts d. Comparative pie charts | ***PROCESS, CONSTRUCT, DISPLAY & INTERPRET DATA***a. Cumulative frequency b. Measures of location c. Box plots d. Skewness & Outliers  | ***PROCESS, CONSTRUCT, DISPLAY & INTERPRET DATA***a. Scatter graphs b. Regression equation / line of best fit c. Interpolation/ extrapolation d. Spearman’s rank correlation coefficient e. Pearson’s product moment |
| **11** | ***PROCESS, CONSTRUCT, DISPLAY & INTERPRET DATA***a. Line graphsb. Frequency polygons c. Time series d. Moving averagese. Seasonal trendsf. Histogramsg. Measure of spread | ***PROCESS, CONSTRUCT, DISPLAY & INTERPRET DATA***a. Normal distribution b. Standardised scores c. Quality assurance d. Control charts e. Index numbers f. Rates of change | ***PROBABILITY DISTRIBUTION***a. Experimental and theoretical probability b. Relative risk c. Tree diagram d. Venn diagram e. Permutations and combinations f. Binomial distribution | ***INVESTIGATION***Opportunity to work with real world data sets.  | ***REVISION***Exam style questions focusing on RAG rated topics Exam papers | ***REVISION***Exam style questions focusing on RAG rated topics Exam papers |

**KEY STAGE 4 CURRICULUM STATISTICS**