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| Course name: GCSE Statistics |
| Which course/ syllabus will I be following?  GCSE Statistics |
| What are the reasons for studying this?  GCSE Statistics gives students the opportunity to broaden their knowledge in a key component of maths that is relevant to everyday life. They’ll develop a core statistical grounding, as well as transferable skills and understanding that are applicable to a range of other subjects. It will also benefit those progressing to A-level subjects such as the Sciences, Geography and Psychology. |
| How is the course assessed?  The work will be assessed by two written papers at the end of year 11. Exam papers are worth 50% each of the final grade and both are 1 hour 30 minutes long. In both exam papers a calculator is allowed. Each exam paper covers elements from the whole content of the course.  The course will follow the 3 aspects below:   1. The collection of data 2. Processing, representing and analyzing data 3. Probability   This GCSE is available at Higher and Foundation tier. |
| Which careers/ post 16 courses will this course help me to prepare for?  Just a few of the careers that use statistics…  An **actuary** is an expert in risk management. They use their mathematical skills to help measure the probability and risk of future events. This information is useful to many industries, including healthcare, pensions, insurance, banking and investments where a single decision can have a major financial impact.  At one end of the scale, some **forensic statisticians** are employed by forensic science units specifically to analyse forensic data; at the other end, there are some researchers who specialise in carrying out statistical research on forensic matters and act as consultant forensic statisticians when required.  **Environmental statisticians** are responsible for the analysis and interpretation of environmental data, for the design of environmental studies, and for the dissemination of statistical methods and concepts to staff working within the environmental sector.  **Market research statistician.** Market research is, in very general terms, a means for providers of goods and services to keep themselves in touch with the needs and wants of those who buy and use the goods and services. It involves the systematic gathering, recording and analysing of information relating to the transfer and sale of goods and services from producer to consumer, together with systematic problem analysis, model building and fact finding for the purposes of improved decision making and control in marketing goods and services. |