

AUTUMN 2023

Subject: Statistics

Year: 11 GCSE

Topic(s) to be covered:

Unit 7 - Index Number

Topic 7.1 - Calculating and interpreting simple index numbers

Topic 7.2 - Calculating weighted and chain-base index numbers

Topic 7.3 - Calculate with crude birth and death rates

Topic 7.4 - Calculate with standard population and interpret this in context

Unit 8 - Probability Distributions

Topic 8.1 - Calculate with the binomial distribution

Topic 8.2 - Calculating with the normal distribution

Topic 8.3 - Quality Assurance graphs

Assessment Procedures:

Following each topic area, students will sit a topic assessment which will be graded from 1-9 based on GCSE levels and used to inform us of your child's progress. A closing the gap topic consolidation sheet will be in your child's book on green paper, this will show you child the areas to develop, and areas of strength to help them improve and target their revision. They will complete a Wow, How Now to get them to close the gap on missing knowledge.

Mock assessments in both Yr10/Yr11 will be carried out and assessed in order to identify personalised targets/area for improvement.

Homework guidance:

Homework will be set once a week. The purpose of the homework will either be to consolidate work done during the lesson or to find out something new to discuss at the following lesson. Homework will be a past paper, or the corrections of a past paper and a copy of the sheet will be uploaded onto Synergy.

How can you help?

1. Any extra Mathematics or Statistics you can encourage your child to do will help with their success in the subject. Students are always encouraged to seek extra help from their teachers to help them make good progress Statistics.
2. Ensure your child completes homework in time and shows all working out on their homework sheet or in their book.
3. Purchasing a Statistics 9-1 revision guide to use at home to assist them in their learning and consolidation of a topic.
4. Encourage your child to look for statistics in the news or in other areas of life. Getting them to think and question the reliability of the statistics in the news will help them become more confident and able in, analysing patterns and trends in data, and the reliability and validity of claims based on statistics.

Equipment needed:

- Pencil, ruler, calculator, rubber, pen, protractor, compass.

Textbooks:

Our scheme of work follows the Pearson Edexcel 9-1 Statistics GCSE Student book.