

## Transition Year Unit.



**Subject:** Maths – Probability and Statistics

**Number of Periods per week:** 3

**Class Teacher:** Mr. Staunton

**Aims and objective:**

To help students understand the meaning of Statistics and how to use information to compare sets of data and events. To enable pupils to represent this data on graphs and make better informed decisions on their results. To investigate the outcomes of experiments in a systematic way so that they can demonstrate an understanding of Probability events and generate sample space diagrams. We will also cover Relative Frequency of events and Theoretical Probability.

**Course content:**

Week 1- Recap of averages and how to compare data. Covering measures of central tendency and dispersion including variance, standard deviation and standardised scores.

Week 3- Scatter Diagrams and Correlation.

How to draw scatter diagrams and find correlation from graph. Determining Causal relationships. Finding the line of best fit and equation of the line from diagrams.

Week 4- Introduction of Probability

Events and outcomes and calculating probability of an event.

Constructing Sample Space Diagrams, Venn diagrams and Tree Diagrams to calculate probability of an event.

Understanding multiplication law and addition law for independent events and mutually exclusive events.

**Method of assessment:** First continuous assessment on Averages, Standard Deviation and Scatter Diagrams. Second continuous assessment on Probability and role of Statistics in everyday life.

**Digital Learning Skills:** Microsoft Word, PowerPoint, MS Teams and how to interpret data from Microsoft Excel sheet.



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**CASTLEKNOCK COLLEGE**



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