Foxford Learning Plan

YEAR 10 Topic: Probability, Capture recapture, Compound interest, Trigonometric graphs, Sine rule, Cosine rule

Summer 1

Key Vocabulary

Venn diagram	A diagram that shows the relationship between 2 or more things.
Mutually exclusive	When two events cannot occur at the same time.
Conditional	Probability of an event occurring given another event occurs.
Independent	The probability of an event occurring doesn't affect probability of another event occurring.
Interest	The money earnt when money is placed into a bank account.
Depreciation	Reduction in value of an asset.
Multiplier	Increases or decreases an amount by a given percentage.

Key Skills

Over the course of the topic, I will be able to: -
Construct and interpret venn diagrams.
Construct and interpret tree diagrams
Estimate the size of a population.
Use sine rule and cosine rule to find a length or an angle on a non-right angle triangle.
Use the multiplier when working with compound interest.

I will Understand

1. How to interpret venn diagrams by applying your knowledge of set notation.
2. How to find the probability of 2 events happening by constructing a tree diagram.
3. Construct a tree diagram that involves algebra.
4. How to draw a sine/cosine graph and use this to find values of sin and cos.
5. How to work out the number of years of an investment given the starting amount and final amount