Foxford Learning Plan

Year 11 Higher - Spring 2

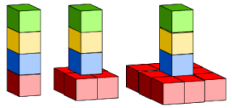
Topics: Transformations, conditional probability, graphs, Quadratic Sequences

Key Vocabulary

Rotation	In Geometry, a concept of turning around a point while maintaining the distance from the point the same
Enlargement	In Geometry, a transformation that involves changing the size of a given shape
Translation	The displacement of every point of a shape from one place to another
Reflection	A transformation where each point in a shape appears at an equal distance on the opposite side of a given line
Probability	A measure of the likelihood of an event to occur
Gradient	Measures the level of steepness of a given line
Tangent	A line that just touches a curve at a point, matching the curve's steepness at that point
3D shape	A solid figure or object or a shape with three dimensions - length, width and height
Quadratic Sequence	Sequences including a quadratic term

Key Skills

Over the course of the topic, I will be able to: -
Describe all forms of transformations using appropriate terminology
Apply Tree diagrams to solve conditional probability problems
Estimating the gradient from speed – time graph
Identify the Plans and Elevation of any given 3D shape
Calculate and apply Quadratic Sequences



I will Understand how to

1. Apply all transformations of shapes and describe the different transformations
2. Apply conditional probability in solving word problems
3. Calculate the area of under the curve of any given function
4. Sketch a tangent at a given point
5. Review a shape given viewer's position
6. Compute the general expression of a quadratic sequence given a sequence of numbers