

Year 12 - Further Mathematics

Yearly

$$z = x + iy$$

1. Core Pure Mathematics 1
  - Complex Numbers
  - Argand Diagrams
  - Series
  - Roots of Polynomials

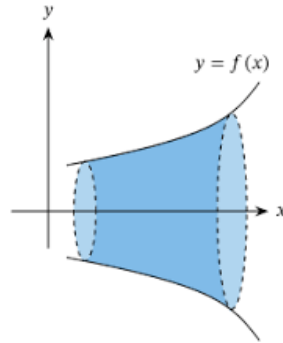
Assessment Window 1



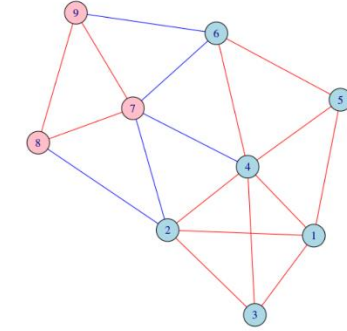
Assessment Window 2



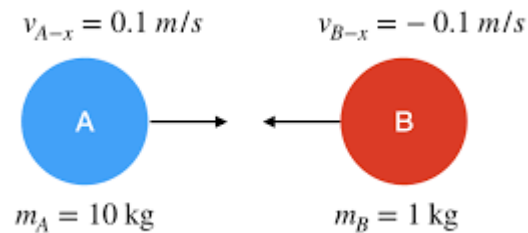
3. Core Pure Mathematics 1
  - Volumes of Revolutions
  - Matrices
  - Linear Transformations
  - Proof by Induction
  - Vectors



2. Decision
  - Algorithms
  - Graphs and Networks
  - Route Inspection
  - Linear Programming
  - Critical Path Analysis



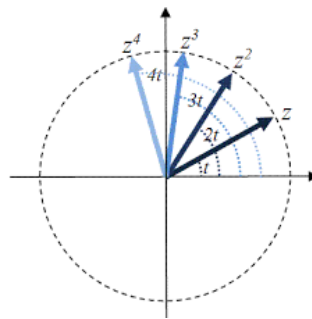
4. Mechanics
  - Momentum and Impulse
  - Work, Energy and Power
  - Elastic collisions in one dimension



Assessment Window 3



**Year 13**  
**Further Mathematics - Yearly**



Assessment Window 1



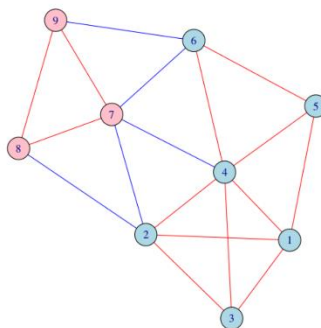
1. Core Pure 2
  - Complex Numbers
  - Series

3. Core Pure 2

Assessment Window 2



- Methods in Calculus
- Volumes of Revolutions
- Hyperbolic Functions
- Polar coordinates
- Methods and Modelling in Differential Equations

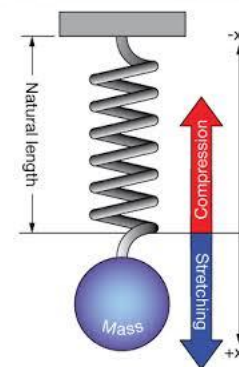


2. Decision

- Graphs and Networks
- Algorithms on Graphs
- Route Inspection
- The Travelling Salesman
- The Simplex Algorithm
- Critical Path Analysis

4. Mechanics

- Momentum and Impulse
- Elastic Strings and Springs
- Elastic Collisions in 2D



Assessment Window 3

