



# **Form 3 - Mathematics**

## **Course Content Schedule**

**Please refer to “Study Weeks 2006”  
for details of our academic calendar**



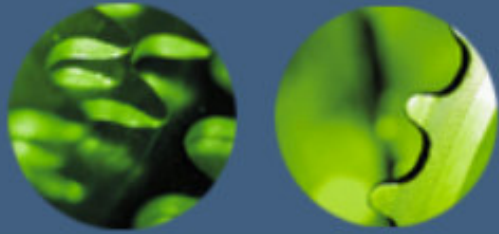
# Week 1

1. Angels
2. Transversals & parallel lines



## **Week 2**

1. Regular polygons
2. Angles of polygons



## **Week 3 – Week 4**

1. Circles
2. Chords
3. Arcs
4. Angles in circles
5. Cyclic quadrilaterals



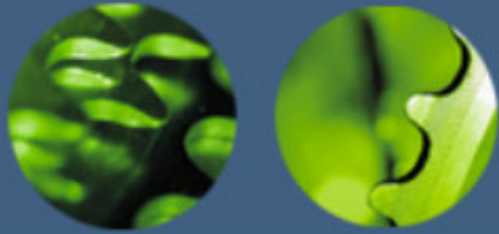
## **Week 5**

- Assessment



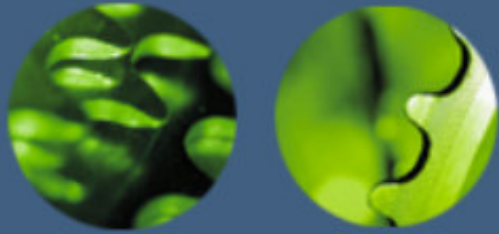
## **Week 6**

1. Pie charts
2. Mode
3. Median
4. Mean



## **Week 7 – Week 8**

1. Indices
2. Multiplication & division of numbers in index notation
3. Index expressions raised to a power
4. Negative indices
5. Fractional indices



## **Week 9 – Week 10**

1. Expansion of algebraic expressions
2. Factorisation of algebraic expressions
3. Addition & subtraction of algebraic fractions
4. Multiplication & division of algebraic fractions



# Week 11

- Assessment



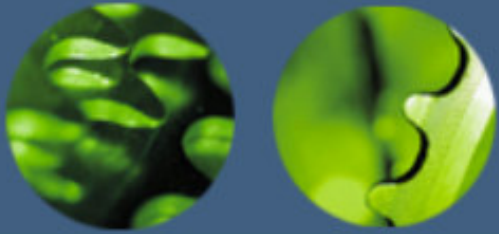
## **Week 12**

1. Variables & constants
2. Formulae



## Week 13

1. Volume of right circular cylinders
2. Volume of right prisms
3. Volume of right pyramids
4. Volume of right circular cones
5. Volume of sphere



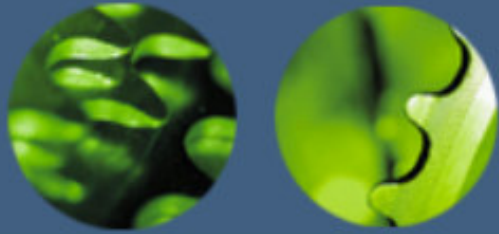
## **Week 14 – Week 15**

### 1. Scale drawing



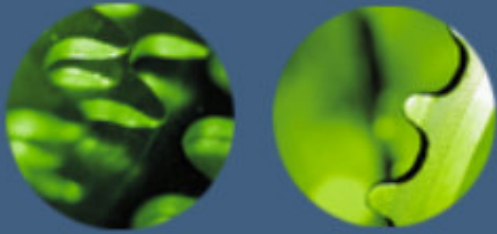
## **Week 16**

- Assessment



## **Week 17 – Week 18**

1. Similarity of objects
2. Enlargement of objects



## **Week 19 – Week 20**

- Revision



## **Week 21**

1. Linear equations in two variables
2. Simultaneous linear equations in two variables



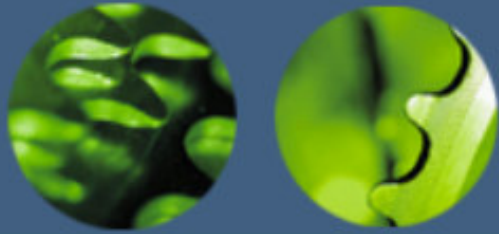
## **Week 22**

- Assessment



## Week 23

1. Inequalities
2. Linear inequalities in one variable
3. Operations on linear inequalities
4. Solving linear inequalities in one variable
5. Simultaneous linear inequalities in one variable



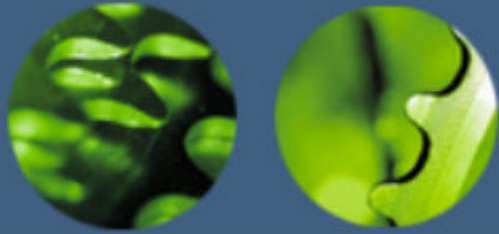
## **Week 24 – Week 25**

1. Functions
2. Graphs of functions



## **Week 26**

- Assessment



## **Week 27 – Week 28**

1. Rate
2. Speed
3. Average speed
4. Acceleration



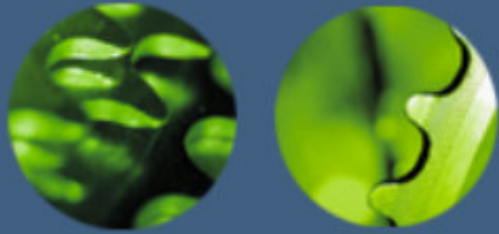
## Week 29

1. Trigonometry
2. Trigonometric ratios for right-angled triangles
3. Solving problems using trigonometric ratios



## **Week 30**

- Assessment



## **Week 31 – Week 37**

- Revision



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