

# Maths

# Road Maps

Learning in Maths sequenced by year

# Ks3:Year 7

SEQUENCES, ALGEBRAIC NOTATION,  
EQUALITY AND EQUIVALENCE, PLACE VALUE  
AND ORDERING INTEGERS AND DECIMALS

FDP EQUIVALENCE  
PROBLEM SOLVING WITH ADDITION AND SUBTRACTION

Y7

HT1

HT2

## End Point Checklist 2

- Adding and subtracting fractions
- Averages
- Area of 2D shapes
- Understanding a bar chart
- Patterns, sequences and nth term
- Direct proportion
- Collect like terms and substitution

## End Point Checklist 1

- Place value and rounding
- Understanding function machines and rules of algebra
- F.D.P. in context
- Solving 1 step equations

PROBLEM SOLVING WITH MULTIPLICATION AND DIVISION  
FRACTIONS AND PERCENTAGES OF AMOUNTS

End Point 1

HT3

DIRECTED NUMBER, ADDITION AND SUBTRACTION OF FRACTIONS

HT4

HT5

End Point 2

14th March is Pi day!

$$\pi \approx 3.14$$

Junior Maths Challenge

CONSTRUCTING, MEASURING AND USING  
GEOMETRIC NOTATION, DEVELOPING  
GEOMETRIC REASONING

SETS AND PROBABILITY  
PRIME NUMBERS AND PROOF

# Ks3:Year 8

RATIO AND SCALE  
MULTIPLICATIVE CHANGE  
MULTIPLYING AND DIVIDING FRACTIONS

WORKING IN THE CARTESIAN PLANE  
REPRESENTING DATA  
TABLES AND PROBABILITY

Y8

HT1

HT2

BRACKETS, EQUATIONS AND INEQUALITIES SEQUENCES INDICES

## End Point Checklist 1

- Co ordinates
- Straight line graphs
- Proportion
- Fractions

## End Point Checklist 2

- Proportion
- Algebra
- Standard form
- Circles

End Point 1

HT3

FRACTIONS AND PERCENTAGES  
STANDARD INDEX FORM & NUMBER SENSE

HT4

HT5

End Point 2

14th March is Pi day!

$$\pi \approx 3.14$$

Junior Maths Challenge

ANGLES IN LINES AND POLYGONS  
AREA AND TRAPEZIA AND CIRCLES  
LINE SYMMETRY AND REFLECTION

DATA HANDLING CYCLE  
MEASURES OF LOCATION

# Ks3:Year 9

STRAIGHT LINE GRAPHS  
FORMING AND SOLVING EQUATIONS  
TESTING CONJECTURES

3D SHAPES  
CONSTRUCTIONS AND CONGRUENCE NUMBERS

Y9

HT1

HT2

USING PERCENTAGES MATHS AND MONEY

End Point 1

HT3

PYTHAGORAS THEOREM ROTATION AND TRANSLATION

HT4

HT5

End Point 2

START GCSE CONTENT  
NUMBER, ALGEBRA

FRACTIONS AND RATIO

## End Point Checklist 1

- Straight Line Graphs
- Forming and Solving Equations
- Testing conjectures
- 3d Shapes
- Constructions and congruence

## End Point Checklist 2

- Numbers
- Percentages
- Maths and Money
- Deduction
- Rotation and Translation
- Pythagoras

14th March is Pi day!

$$\pi \approx 3.14$$

Junior Maths Challenge

# Ks4: Year 10 – HIGHER

Number, Algebra,  
Interpreting and representing data

Fractions, ratio and percentages  
Angles and Trigonometry

Y10

HT1

HT2

Graphs, Area and volume  
Transformations and constructions

HT3

Year 10  
exams

Equations and inequalities Probability Multiplicative reasoning

☐ Year 10 Mocks;  
Complete summer  
series of all three  
papers from previous  
years' GCSE to cover  
all content.

Accumulation of  
topics;

- ☐ Number
- ☐ Algebra
- ☐ Interpreting and  
Representing Data
- ☐ Fractions Ratio and  
Percentage
- ☐ Angles and  
Trigonometry

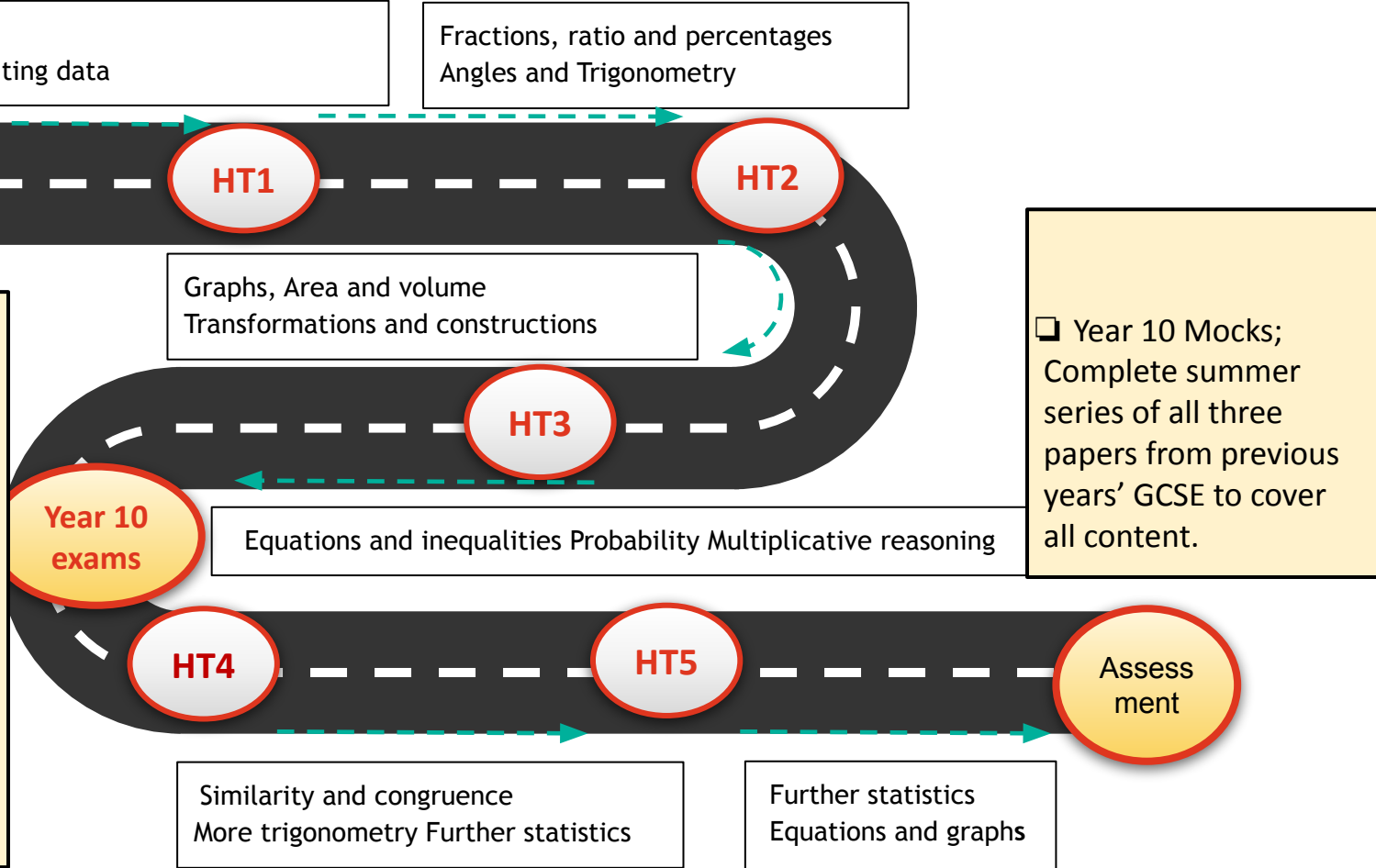
HT4

HT5

Assess  
ment

Similarity and congruence  
More trigonometry Further statistics

Further statistics  
Equations and graphs



# Ks4: Year 10 – Foundation

Number Algebra  
Graphs, tables and charts

Fractions and Percentages  
Equations, Inequalities and Sequences  
Angles

**REVISION GUIDES  
AVAILABLE TO BUY  
ON PARENT PAY**

**Y10**

**HT1**

**HT2**

Averages and range  
Perimeter, area and volume 1

**Year 10 Mocks;**  
Complete summer series of all three papers from previous years' GCSE to cover all content.

**Year 10 exams**

Graphs  
Transformations

**HT3**

- Number
- Algebra
- Graphs , Tables and Charts
- F.D.P.
- Equations, Inequalities and Sequences

**HT4**

**HT5**

**Year 11**

Ratio and Proportion,  
Right-angled Triangles  
Probability

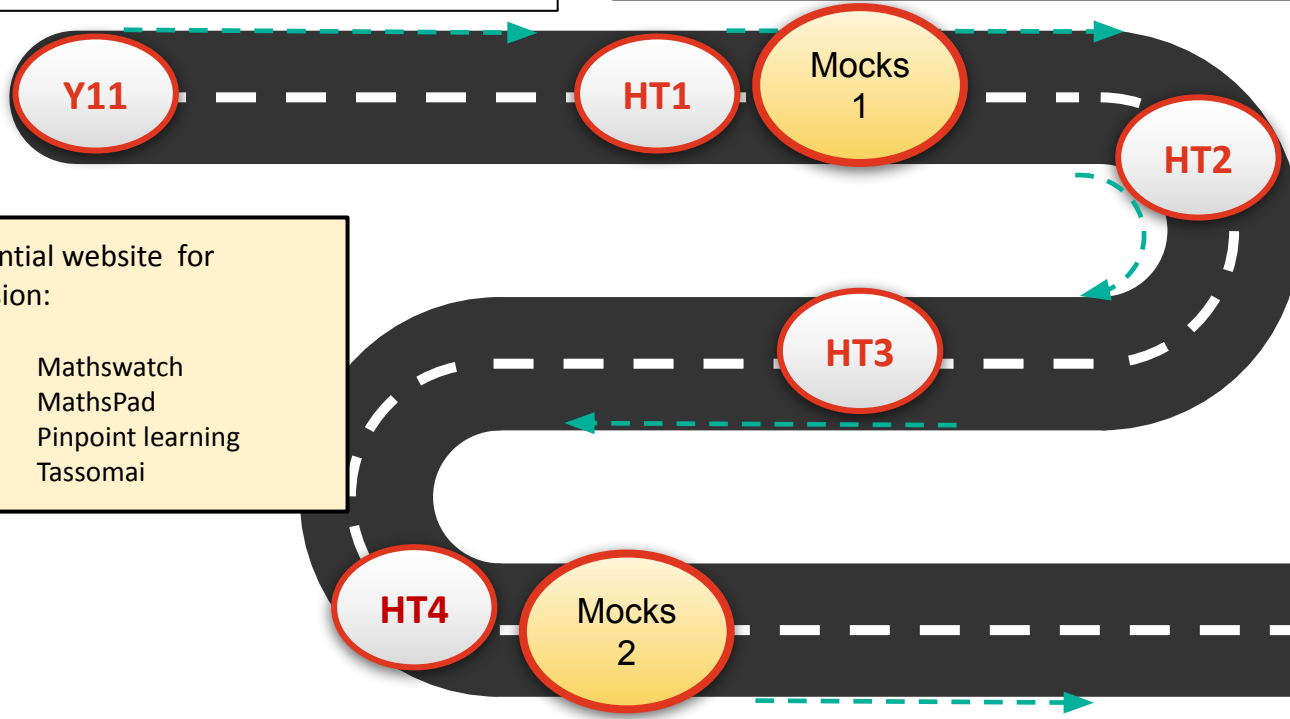
Multiplicative Reasoning,  
Constructions, Loci and Bearings

# KS4: Year 11 HIGHER & FOUNDATION

- Fortnightly in class assessments identify gaps in prior learning.

- Teaching in class is bespoke revision tailored to each set dependent on gaps

- ★ Revision lists for mock exams will be published on google classroom and mathswatch before half term



Essential website for revision:

- ★ Mathswatch
- ★ MathsPad
- ★ Pinpoint learning
- ★ Tassomai

- P6 and School-led tutoring intervention after school classes
- Targeted revision in class based on mocks

- Preparation in class for the mocks 2

- Walk-talking mock practice in class
- Use of 'shadow' papers to maximise DIRT tasks

U	1	2	3	4	5	6	7	8	9
U	G	F	E	D	C	B	A	A*	