Mathematics

Al Risalah

2016-2017

Maths Overviews KS3 & KS4 - *Updated October 2016*

Al Risalah School
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Year 7 Maths

Updated June 2016

Number of Lessons per two weeks:	**Homework**
7	Up to 2 hours per fortnight.
Assessment Class Work, Home work. End of Topic Tests. End of Term Tests.	**Trips** To be confirmed.

Course Outline

Autumn Term
1 Analysing and displaying data
2 Number skills
3 Equations, functions and formulae
4 Fractions

Spring Term
5 Angles and shapes
6 Decimals
7 Equations

Summer Term
8 Multiplicative reasoning
9 Perimeter, area and volume
10 Sequences and graphs

How You Can Help

- Use the practice tasks from www.mymaths.co.uk.
- Encourage your child to focus in the Maths lessons, make sure they do their homework in due time and with the best of their ability.
- Make sure that your child maintains a good standard in homework tasks both in content and presentation.
- Help your child to do constant revisions, by going through previous work and practising more questions related to the topic.

Teacher

Contact: Br **Salim** (Girls)- HOD & Br **Abdullah** (Boys)

Year 8 Maths

Updated June 2016

Number of Lessons per two weeks:	**Homework**
7	Up to 2 hours per fortnight.
Assessment Class Work, Home work. End of Topic Tests. End of Term Tests.	**Trips** To be confirmed.

Course Outline

Autumn Term
1 Factors and powers
2 Working with powers
3 2D shapes and 3D solids
4 Real-life graphs

Spring Term
5 Transformations
6 Fractions, decimals and percentages
7 Constructions and loci

Summer Term
8 Probability
9 Scale drawings and measures
10 Graphs

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- Make sure that your child maintains a good standard in homework tasks both in content and presentation.
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Teacher

Contact: Br **Salim** (Girls)- HOD & Br **Abdullah** (Boys)

Year 9 Maths

Updated June 2016

Number of Lessons per two weeks:	**Homework**
7	Up to 2 hours per fortnight.
Assessment	**Trips**
Class Work, Home work. End of Topic Tests. End of Term Tests.	To be confirmed.

Course Outline

Autumn Term
1 Powers and roots
2 Quadratics
3 Inequalities, equations and formulae
4 Collecting and analysing data

Spring Term
5 Multiplicative reasoning
6 Non-linear graphs
7 Accuracy and measures

Summer Term
8 Graphical solutions
9 Trigonometry
10 Mathematical reasoning

How You Can Help

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- Make sure that your child maintains a good standard in homework tasks both in content and presentation.
- Help your child to do constant revisions, by going through previous work and practising more questions related to the topic.

Teacher

Contact: Br **Salim** (Girls)- HOD & Br **Abdullah** (Boys)

Year 10 Maths

Updated June 2016

Number of Lessons per two weeks:	**Homework**
8	Up to 3 hours per fortnight.
Assessment Class Work, Home work. End of Topic Tests. End of Term Tests.	**Trips** To be confirmed.

Course Outline

New GCSE (9 – 1)

Autumn Term
1 Number
2 Algebra
3 Interpreting and representing data
4 Fractions, ratio and percentages
5 Angles and trigonometry

Spring Term
6 Graphs
7 Area and volume
8 Transformations and constructions
9 Equations and inequalities
10 Probability

Summer Term
11 Multiplicative reasoning
12 Similarity and congruence
13 More trigonometry
14 Further statistics
15 Equations and graphs

Assessments: Exam Board: **Edexcel** – First Exam June 2017

GCSE (9-1) MATHEMATICS 1MA1

Paper 1 Tiered papers: 1F (Foundation) & 1H (Higher) Non-calculator	Written exam: 1 hour 30 mins	80 marks 33.33% of GCSE
Paper 2 Tiered papers: 2F (Foundation) & 2H (Higher) Calculator	Written exam: 1 hour 30 mins	80 marks 33.33% of GCSE
Paper 3 Tiered papers: 3F (Foundation) & 3H (Higher) Calculator	Written exam: 1 hour 30 mins	80 marks 33.33% of GCSE

How You Can Help

- Use the practice tasks from www.mymaths.co.uk.
- Encourage your child to focus in the Maths lessons, make sure they do their homework in due time and with the best of their ability.
- Make sure that your child maintains a good standard in homework tasks both in content and presentation.
- Help your child to do constant revisions, by going through previous work and practising more questions related to the topic.

Teacher

Contact: Br **Salim** (Girls)- HOD & Br **Abdullah** (Boys)

Year 11 Maths

Updated June 2016

Number of Lessons per two weeks:	**Homework**
8	Up to 3 hours per fortnight.
Assessment Class Work, Home work. End of Topic Tests. End of Term Tests. Mock Exam.	**Trips** To be confirmed.

Course Outline - New GCSE (9 – 1)

Autumn Term

- Circle theorems
- Circle geometry
- Changing the subject of formulae (more complex),
- algebraic fractions,
- solving equations arising from algebraic fractions,
- rationalising surds,
- proof

Spring Term

- Vectors and geometric proof
- Direct and indirect proportion: using statements of proportionality,
- reciprocal and exponential graphs,
- rates of change in graphs, functions,
- transformations of graphs
- Direct and inverse proportion
- Revision

Assessments: **Exam Board: Edexcel – First Exam June 2017**

GCSE (9-1) MATHEMATICS 1MA1

Paper 1 **Tiered papers: 1F (Foundation) & 1H (Higher)** **Non-calculator**	**Written exam: 1 hour 30 mins**	**80 marks** **33.33% of GCSE**
Paper 2 **Tiered papers: 2F (Foundation) & 2H (Higher)** **Calculator**	**Written exam: 1 hour 30 mins**	**80 marks** **33.33% of GCSE**
Paper 3 **Tiered papers: 3F (Foundation) & 3H (Higher)** **Calculator**	**Written exam: 1 hour 30 mins**	**80 marks** **33.33% of GCSE**

How You Can Help

- Use the practice tasks from www.mymaths.co.uk.
- Encourage your child to focus in the Maths lessons, make sure they do their homework in due time and with the best of their ability.
- Make sure that your child maintains a good standard in homework tasks both in content and presentation.
- Help your child to do constant revisions, by going through previous work and practising more questions related to the topic.

Teacher

Contact: Br **Salim** (Girls)- HOD & Br **Abdullah** (Boys)

Year 11 Level 2 Further Mathematics (8360) *(optional)*

Updated June 2016

Number of Lessons per two weeks:	**Homework** Up to 3 hours per fortnight.
Assessment Class Work, Home work. End of Topic Tests. End of Term Tests. Mock Exam.	**Trips** To be confirmed.

Course Outline

Level 2 Further Mathematics

The specification content is set out in six distinct topic areas

- Number
- Algebra
- Co-ordinate Geometry (2 dimensions only)
- Calculus
- Matrix Transformations Geometry

Assessment is linear:

- paper 1, the written paper (non-calculator) carries 40 per cent of marks and
- paper 2, written paper (calculator) carries 60 per cent of marks.

How You Can Help

- Use the practice tasks from www.mymaths.co.uk.
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- Make sure that your child maintains a good standard in homework tasks both in content and presentation.
- Help your child to do constant revisions, by going through previous work and practising more questions related to the topic.

Teacher

Contact: Br **Salim** (Girls)- HOD & Br **Abdullah** (Boys)