



Queen Elizabeth's Girls' School

Educating Women of the Future

Year 7 Maths

| Year 7 - Maths - Spring term 1st half | |
|---|---|
| Unit of work | Knowledge / Skills |
| 7. Intro to algebra | <ul style="list-style-type: none">Algebraic notationSimplifying by collecting like termsExpanding a single bracketSubstitution |
| 8. Intro to fractions & percentages | <ul style="list-style-type: none">Writing fractionsWriting percentages |
| 9. Intro to ratio | <ul style="list-style-type: none">Ratio notationSimplifying ratiosSharing a quantity in a given ratio |
| 10. Intro to sequences | <ul style="list-style-type: none">Simple arithmetic progressionsTerm-to-term rules |
| <p>Key Terms: Algebra, expression, term, formula (formulae), equation, function, variable, mapping diagram, input, output, represent, substitute, evaluate, like terms, simplify / collect, fraction, improper fraction, proper fraction, top-heavy fraction, percentage, proportion, ratio, proportion, compare, comparison, part, simplify, common factor, cancel, lowest terms, unit, pattern, sequence, linear, term, term-to-term rule, ascending, descending</p> | |
| <p>Course Materials: All resources are provided in Maths lessons</p> | |
| <p>Homework will include: Unit practice questions, revision for unit test, prior learning recall questions</p> | |
| <p>Assessment details: End of unit tests on current learning Termly assessment of a 45 minute paper (Part 1 Calculator, Part 2 Non-calculator) When will the assessments take place? End of unit tests take place approximately fortnightly Termly assessment 2 weeks after Easter break [Note: Set changes may take place following the termly assessment]</p> | |



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| Year 7 - Maths - Spring term 2nd half | |
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| Unit of work | Knowledge / Skills |
| 11. Measuring space | <ul style="list-style-type: none">• Use of ruler & protractor• Unit conversion |
| 12. Investigating angles | <ul style="list-style-type: none">• Angles along a straight line• Vertically opposite angles• Angles around a point |
| 13. Calculating with fractions & percentages | <ul style="list-style-type: none">• Fraction arithmetic• Percentage change |
| Key Terms: Length, distance, mass, weight, volume, capacity, metre, centimetre, millimetre, tonne, kilogram, gram, milligram, litre, millilitre, hour, minute, second, inch, foot, yard, pound, ounce, pint, gallon, line segment, angle, degrees, right angle, acute angle, obtuse angle, reflex angle, protractor, vertically opposite, geometry, geometrical, mixed number, equivalent fraction, simplify, cancel, lowest terms, proper fraction, improper fraction, top-heavy fraction, percent, percentage, multiplier, increase, decrease | |
| Course Materials: All resources are provided in Maths lessons | |
| Homework will include: Unit practice questions, revision for unit test, prior learning recall questions | |
| Assessment details: End of unit tests on current learning When will the assessments take place? End of unit tests take place approximately fortnightly | |