Y7 Mathematics

Long Term Plan 2022/2023

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|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Cycle 1 | **5/9** | **12/9** | **19/9** | **26/9** | **3/10** | **10/10** | **17/10** | **31/10****Re-induction** | **7/11** | **14/11****Planning days** | **21/11** | **28/11** | **5/12** |
| **Expectations****Sparx** | **Unit 1 Algebra** Algebraic notation | **Unit 1 Algebra** Substitution | **Unit 1 Algebra** Simplifying | **Unit 1 Algebra** Simplifying | **Unit 1 Algebra** Solving | **Catch Up** | **Unit 1 Algebra** Solving | **Unit 1 Algebra** Sequences | **Unit 2 Number**Place value, inequalities and ordering | **Unit 2 Number**Four operations inc. decimals | **Unit 2 Number**Four operations inc. decimals | **Unit 2 Number**Factors and multiples |
| Cycle 2 | **12/12** | **2/1****Re-induction** | **9/1** | **16/1** | **23/1 30/1****Cycle Assessment Weeks** | **6/2** | **13/2** | **27/2** | **6/3****Planning Days** | **13/3** | **20/3** | **27/3** |
| **Unit 2 Number**Factors and multiples | **Unit 2 Number**Rounding and estimation | **Unit 2 Number**Application | **Unit 2 Number**Application | **Assessments** | **Unit 3 Geometry**Unit conversion |  **Unit 3 Geometry**Angle types, estimating, draw and measure | **Unit 3 Geometry**Properties of triangles and quadrilaterals | **Unit 3 Geometry**Angle facts | **Unit 3 Geometry**Mixed angle facts | **Unit 4 Fractions**Fractions of amounts | **Unit 4 Fractions**Fraction equivalence | **Unit 4 Fractions**Four operations with fractions |
| Cycle 3 | **17/4****Re-induction** | **24/4** | **1/5****BH MON** | **8/5****BH MON** | **15/5** | **22/5****Y7 PARENTS** | **5/6****Re-induction** | **12/6 19/6****Cycle assessment weeks** | **26/6** | **3/7** | **10/7** | **17/7** |
| **Unit 4 Fractions**Four operations with fractions | **Unit 4 Fractions**Compare and order fractions | **Unit 4 Fractions**Worded fraction problems | **Unit 5 Percentages**Expressing percentages | **Unit 5 Percentages**FDP | **Unit 5 Percentages**FDP | **Unit 5 Percentages**Percentage of amounts | **Revision and Assessments** | **Revision and Assessments** | **Unit 5 Percentages**Percentages increase and decrease  | **Unit 5 Percentages**Percentages increase and decrease | **Unit 5 Percentages**Simple interest | **Unit 5 Percentages**Simple interest |

Y8 Mathematics

Long Term Plan 2022/2023

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|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Cycle 1 | **5/9** | **12/9** | **19/9** | **26/9** | **3/10** | **10/10 17/10** | **31/10****Re-induction** | **7/11** | **14/11****Planning days** | **21/11** | **28/11** | **5/12** |
| **Expectations****Sparx HWK** | **Unit 1 Probability and Statistics**Probability scales and simple probability | **Unit 1 Probability and Statistics**Probability NOT and from listing outcomes and frequency trees | **Unit 1 Probability and Statistics**Calculating MMMR | **Unit 1 Probability and Statistics**Simple statistical diagrams | **Unit 1 Probability and Statistics**Pie charts | **Unit 2 Number**Index laws | **Unit 2 Number**Calculating with powers and roots, inc. Pythagoras | **Unit 2 Number**Standard form | **Unit 2 Number**Standard form | **Unit 2 Number**Prime factorisation, HCF and LCM | **Unit 2 Number**Prime factorisation, HCF and LCM | **Unit 2 Number**Sets and Venn diagrams |
| Cycle 2 | **12/12** | **2/1****Re-induction** | **9/1** | **16/1** | **23/1 30/1****Cycle Assessments** | **6/2** | **13/2** | **27/2****Re-induction** | **6/3****Planning Days** | **13/3** | **20/3** | **27/3** |
| **Unit 3 Algebra**Inequalities | **Unit 3 Algebra**Complex manipulation | **Unit 3 Algebra**Complex manipulation | **Unit 3 Algebra**Formulae | **Revision and Assessments** | **Unit 3 Algebra**Forming and Solving | **Unit 3 Algebra**Forming and Solving | **Unit 3 Algebra**Sequences | **Unit 4 2D Geometry**Constructions | **Unit 4 2D Geometry**Angles in parallel lines  | **Unit 4 2D Geometry**Angles in parallel lines | **Unit 4 2D Geometry**Unit conversions | **Unit 4 2D Geometry**Area of trapezia and compound shapes  |
| Cycle 3 | **17/4****Re-induction** | **24/4****Y8 PARENTS EVE** | **1/5****BH MON** | **8/5****BH MON** | **15/5** | **22/5** | **5/6****Re-induction** | **12/6 19/6****Cycle assessment weeks** | **26/6** | **3/7** | **10/7** | **17/7** |
| **Unit 4 2D Geometry**Area of trapezia and compound shapes  | **Unit 4 2D Geometry**Circles | **Unit 4 2D Geometry**Circles | **Unit 5 Proportional Reasoning**Percentage increase/decrease | **Unit 5 Proportional Reasoning**Percentage increase/decrease | **Unit 5 Proportional Reasoning**Reverse percentages | **Unit 5 Proportional Reasoning**Compound interest | **Revision and Assessments** | **Revision and Assessments** | **Unit 5 Proportional Reasoning**Ratio | **Unit 5 Proportional Reasoning**Ratio | **Unit 5 Proportional Reasoning**Compound measures | **Unit 5 Proportional Reasoning**Compound measures |

Y9 Mathematics

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|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Cycle 1 | **5/9** | **12/9** | **19/9** | **26/9** | **3/10** | **10/10**  | **17/10** | **31/10****Re-induction** | **7/11** | **14/11****Planning days** | **21/11** | **28/11** | **5/12** |
| **Expectations****Sparx HWK** | **Unit 1 Statistics**Collecting and organising data | **Unit 1 Statistics**Interpret and compare statistical representations | **Unit 1 Statistics**MMMR from a frequency table | **Unit 1 Statistics**Frequency diagrams | **Unit 1 Statistics**Identifying errors and misconceptions in statistical diagrams | **Unit 2 Graphs and Proportion**Coordinates and mid-points | **Unit 2 Graphs and Proportion**Linear functions | **Unit 2 Graphs and Proportion**Direct proportion | **Unit 2 Graphs and Proportion**Inverse proportion | **Unit 2 Graphs and Proportion**Scale | **Unit 3 Algebraic Expressions**Sequences | **Unit 3 Algebraic Expressions**Expanding |
| Cycle 2 | **12/12** | **2/1****Re-induction** | **9/1** | **16/1** | **23/1 30/1****Cycle Assessments** | **6/2** | **13/2** | **27/2****Re-induction** | **6/3****Planning Days** | **13/3** | **20/3** | **27/3** |
| **Unit 3 Algebraic Expressions**Factorising | **Unit 3 Algebraic Expressions**Factorising | **Unit 3 Algebraic Expressions**Solving | **Unit 3 Algebraic Expressions**Solving | **Revision and Assessments** | Catch Up | **Unit 3 Algebraic Expressions**Transposing Formulae | **Unit 3 Algebraic Expressions**Transposing Formulae | **Unit 4 Geometry Angles**Constructions and Loci | **Unit 4 Geometry Angles**Angles in polygons | **Unit 4 Geometry Angles**Angles in polygons | **Unit 4 Geometry Angles**Congruency | **Unit 4 Geometry Angles**Similarity |
| Cycle 3 | **17/4****Re-induction** | **24/4** | **1/5****BH MON** | **8/5****BH MON** | **15/5** | **22/5** | **5/6****Re-induction** | **12/6 19/6****Cycle assessment weeks** | **26/6** | **3/7** | **10/7** | **17/7** |
| **Unit 4 Geometry Angles**Similarity | **Unit 4 Geometry Angles**Arcs and sectors | **Unit 4 Geometry Angles**Arcs and sectors | **Unit 5 Algebra Graphs**Form and solve inequalities | **Unit 5 Algebra Graphs**Graphing inequalities and identifying regions | **Unit 5 Algebra Graphs**Graphing inequalities and identifying regions | **Unit 5 Algebra Graphs**Simultaneous equations | **Cycle Assessments** | **Cycle Assessments** | **Unit 5 Algebra Graphs**Simultaneous equations | **Unit 5 Algebra Graphs**Quadratic graphs | **Unit 5 Algebra Graphs**Other algebraic graphs | **Unit 5 Algebra Graphs**Other algebraic graphs |

Y10 Mathematics

Long Term Plan 2022/23

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|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** |
| **Cycle 1** | **5/9** | **12/9** | **PD****19/9** | **26/9** | **3/10** | **10/10**  | **17/10** | **31/10****Re-induction** | **7/11** | **14/11****Planning days** | **PD****21/11** | **28/11** | **5/12** |
| **Expectations****Sparx HWK** | **Unit 1 Probability and Statistics** Experimental probability | **Unit 1 Probability and Statistics** Probability of combined events | **Unit 1 Probability and Statistics** MMMR from a frequency table | **Unit 1 Probability and Statistics** Cumulative frequency and box plots (PAGE 39-50 Set 1-6 only) | **Unit 1 Probability and Statistics**Compound measures(PAGE 72-73 Set 1-6 only) | **Unit 1 Probability and Statistics**Compound measures(PAGE 72-73 Set 1-6 only) | **Unit 2 Algebra Graphs**Line segments | **Unit 2 Algebra Graphs**Equation of a line from coordinates | **Unit 2 Algebra Graphs**Parallel and perpendicular lines(PAGE 16-23 Set 1-6 only) | **Unit 2 Algebra Graphs**Sketching quadratics(PAGE 26-32 Set 1-6 only) | **Unit 2 Algebra Graphs**Sketching quadratics(PAGE 26-32 Set 1-6 only) | **Unit 2 Algebra Graphs**Gradient of and area under curves(PAGE 32-47 Set 1-6 only) |
| **Cycle 2** | **12/12** | **2/1****Re-induction** | **9/1** | **16/1** | **23/1** **Cycle Assessments** | **30/1** | **6/2** | **13/2****Y10 Parents** | **27/2****Re-induction** | **6/3****Planning Days** | **13/3** | **20/3** | **27/3** |
| **Unit 2 Algebra Graphs**Gradient of and area under curves(PAGE 32-47 Set 1-6 only) | **Unit 3 Limits and 3D Geometry**Estimation | **Unit 3 Limits and 3D Geometry**Bounds of accuracy(PAGE 19-26 Set 1-6 only) | **Unit 3 Limits and 3D Geometry**Bounds of accuracy(PAGE 19-26 Set 1-6 only) | **Unit 3 Limits and 3D Geometry**Volume and S.A(PAGE 36-50 Set 1-6 only) | **Unit 3 Limits and 3D Geometry**Volume and S.A(PAGE 36-50 Set 1-6 only) | **Unit 3 Limits and 3D Geometry**Volume and S.A(PAGE 36-50 Set 1-6 only) | **Unit 3 Limits and 3D Geometry**Plans and Elevations | **Unit 3 Limits and 3D Geometry**3D Geometry Applications(PAGE 76-79 Set 1-6 only) | **Unit 3X Graphs & Algebra**Mid Points and y = mx + c | **Unit 3X Graphs & Algebra**Linear Graphs | **Unit 3X Graphs & Algebra**Linear Graphs | **Unit 3X Graphs & Algebra**Equations |
| **Cycle 3** | **17/4****Re-induction** | **24/4** | **1/5****BH MON** | **8/5****BH MON** | **15/5** | **22/5** | **5/6****Re-induction** | **12/6 19/6****Cycle assessment weeks** | **26/6** | **3/7** | **10/7** | **17/7** |
| **Unit 3X Graphs & Algebra**Equations | **Unit 3X Graphs & Algebra**Inequalities | **Unit 3X Graphs & Algebra**Inequalities | **Unit 3X Graphs & Algebra**Other Graphs | **Unit 4 Statistics and Probability**Conditional probability | **Unit 4 Statistics and Probability**Populations inc. capture recapture | **Unit 4 Statistics and Probability**Outcomes inc. product rule and sample space | **Assessments** | **Unit 4 Statistics and Probability**Venn diagrams | **Unit 4 Statistics and Probability**Venn diagrams | **Unit 4 Statistics and Probability**Probability of combined events | **Unit 4 Statistics and Probability**Conditional probability | **Unit 4 Statistics and Probability**Conditional probability |