Y10 AP3 Higher Revision List
Topic
Sparx Clip

| Solving quadratic inequalities | U133 |
| :---: | :---: |
| Enlargement by a positive or negative scale factor | U134 |
| Calculating with speed | U151 |
| Using recurrence relations | U171 |
| Expanding single brackets | U179 |
| Drawing cumulative frequency graphs | U182 |
| Translation | U196 |
| Multiplying mixed numbers, Indices of the form 1/a, Negative indices | $\begin{gathered} \text { U224, U985, } \\ \text { U694 } \end{gathered}$ |
| Index rules with positive indices | U235 |
| Index rules with positive indices, Indices of the form 1/a | U235, U985 |
| Converting units of area | U248 |
| Calculating with rates | U256 |
| Multiplying and dividing numbers in standard form | U264 |
| Finding the area of trapeziums | U265 |
| Finding unknown sides in right-angled triangles | U283 |
| Finding original values in percentage calculations | U286 |
| Capture and recapture | U328 |
| Using standard form with positive indices | U330 |
| Compound interest calculations | U332 |
| Solving inverse proportion word problems | U357 |
| Factorising into one bracket | U365 |
| Using the product rule for counting | U369 |
| Finding the area of sectors | U373 |
| Equations of parallel lines | U377 |
| Using Pythagoras' theorem in 2D | U385 |
| Using Pythagoras' theorem in 2D, Finding the area of circles | U385, U950 |
| Constructing direct proportion equations, Constructing inverse proportion equations | U407, U138 |
| Angles in polygons | U427 |
| Circle theorems | U459, U251 |
| Venn diagrams | U476 |
| Reflecting graphs | U487 |
| Calculating with pressure | U527 |
| Using standard form with negative indices | U534 |
| Using Pythagoras' theorem in 3D, Finding the area of trapeziums, 3D Trigonometry | $\begin{gathered} \hline \text { U541, U265, } \\ \text { U170 } \end{gathered}$ |
| Finding the volume of composite shapes | U543 |
| Solving simultaneous equations involving quadratics | U547 |
| Changing the subjects of formulae | U556 |
| Tree diagrams for independent events | U558 |
| Geometric proofs with vectors | U560 |
| Equations of circles and tangents | U567 |
| Sharing amounts in a given ratio, Finding fractions and percentages of amounts | $\begin{gathered} \hline \text { U577, U881, } \\ \text { U554 } \\ \hline \end{gathered}$ |
| Substituting into algebraic formulae | U585 |
| Finding error intervals for calculations | U587 |


| The cosine rule, The sine rule | U591, U952 |
| :---: | :---: |
| Translating graphs | U598 |
| Constructing and solving equations, Writing and simplifying ratios | U599, U687 |
| Solving quadratic equations graphically | U601 |
| Expanding triple brackets | U606 |
| Currency conversion, Converting units of capacity, Direct proportion word problems | $\begin{gathered} \text { U610, U388, } \\ \text { U721 } \end{gathered}$ |
| Calculating distances from velocity-time graphs | U611 |
| Substituting into functions | U637 |
| Interpreting cumulative frequency graphs | U642 |
| Finding error intervals | U657 |
| Simplifying expressions using index laws | U662 |
| Calculating with ratios and algebra | U676 |
| Adding and subtracting algebraic fractions | U685 |
| Adding and subtracting algebraic fractions, Using the quadratic formula | U685, U665 |
| Converting recurring decimals to fractions | U689 |
| Conditional probabilities from Venn diagrams | U699 |
| Solving direct proportion word problems, Percentage change with a calculator | U721, U671 |
| Tree diagrams for dependent events | U729 |
| Prime factor decomposition | U739 |
| Solving single inequalities | U759 |
| Solving geometric problems using vectors | U781 |
| Volume of cuboids, Calculating with density, Writing and simplifying ratios | $\begin{gathered} \hline \text { U786, U910, } \\ \text { U687 } \end{gathered}$ |
| Estimating gradients of non-linear graphs using tangents | U800 |
| Drawing histograms with unequal class widths | U814 |
| Interpreting box plots | U837 |
| Interpreting box plots | U837 |
| Drawing and interpreting frequency polygons | U840 |
| Finding equations of linear real-life graphs | U862 |
| Changing ratios | U865 |
| Finding averages from grouped data | U877 |
| Drawing box plots | U879 |
| Geometric proofs with congruence and similarity, Circle theorems | U887, U459 |
| Solving shape problems involving coordinates | U889 |
| Adding and subtracting column vectors, Multiplying column vectors by a scalar | U903, U564 |
| Using a calculator | 0926 |
| Finding the surface area of cubes and cuboids | U929 |
| Factorising the difference of two squares | U963 |
| Interpreting histograms | U983 |
| Plotting graphs of quadratic functions | U989 |
| Finding inverse functions, Finding composite functions | U996, U448 |

