| Autumn term Year 11 <br> Foundation <br> Half Term 1 | Name: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Topic | $\begin{aligned} & \begin{array}{l} \text { corx } \\ \text { code } \end{array} \end{aligned}$ | Title | Covered | ${ }^{\text {RAG }}$ | Revisit |
| Graphs and Coordinates Moved from summer Y10 | U789 | Reading and plotting coordinates |  |  |  |
|  | 4933 | Calculating midpoints |  |  |  |
|  | U889 | Solving shape problems involving coordinates |  |  |  |
|  | U741 | Plotting straight line graphs |  |  |  |
|  | U315 | Finding equations of straight line graphs |  |  |  |
|  | 0669 | Interpreting equations of straight line graphs |  |  |  |
|  | U477 | Finding the equation of a straight line from its gradient and a point |  |  |  |
|  | U848 | Finding the equation of a straight line from two points on the line |  |  |  |
|  | U377 | Equations of parallel lines |  |  |  |
| Rearrange a formula to change the subject | U556 | Changing the subject of formulae |  |  |  |
| Expanding brackets | U179 | Expanding single brackets |  |  |  |
|  | 4768 | Expanding double brackets |  |  |  |
| Factorise quadratic expressions | U365 | Factorising into one bracket |  |  |  |
|  | U178 | Factorising quadratic expressions of the form $\mathrm{x}^{2}+\mathrm{bx}+\mathrm{c}$ |  |  |  |
|  | U963 | Factorising the difference of two squares |  |  |  |
| Solve quadratic equations by factorising | U228 | Factorising to solve quadratic equations of the form $\begin{aligned} & x^{2} \\ & +b x+c=0\end{aligned}$ |  |  |  |
| Revise linear graphs |  | U741 U315 U669 U477 U848 U377 |  |  |  |
| Graphs of quadratic functions | U989 | Plotting graphs of quadratic functions |  |  |  |
|  | U667 | Interpreting graphs of quadratic functions |  |  |  |
|  | U150 | Solving quadratic equations graphically |  |  |  |
| Graphs of cubic and reciprocal functions | 4980 | Graphs of cubic functions |  |  |  |
|  | U593 | Graphs of reciprocal functions |  |  |  |
| Types of angles and the use of standard convention for labelling sides and angles | U447 | Understanding, measuring and drawing angles Line and shape properties |  |  |  |
| Reflection and rotational symmetry | U849 | Symmetry |  |  |  |
| Properties of triangles and quadrilaterals | U121 | Line and shape properties |  |  |  |
| Angles on a straight line, around a point, vertically opposite, on parallel lines | U390 | Angles on a line and about a point |  |  |  |
|  | U730 | Vertically opposite angles |  |  |  |
|  | U826 | Angles on parallel lines |  |  |  |
| Angles in triangles, quadrilaterals and polygons | 0628 | Angles in triangles |  |  |  |
|  | 0732 | Angles in quadrilaterals |  |  |  |
|  | U329 | Using quadrilateral properties to find angles |  |  |  |
|  | U655 | Combining angle facts |  |  |  |
|  | 0427 | Angles in polygons |  |  |  |
| Bearings | U525 | Measuring and drawing bearings |  |  |  |
|  | U107 | Calculating bearings |  |  |  |
| Scale drawing | U102 | Estimating and measuring |  |  |  |
|  | U257 | Drawing and interpreting scale diagrams |  |  |  |
| Constructions using a compass and pencil | 0678 | Using a pair of compasses |  |  |  |
|  | U187 | Constructing triangles |  |  |  |
|  | U245 | Constructing perpendicular bisectors and lines |  |  |  |
|  | 4787 | Constructing bisectors of angles |  |  |  |
|  | U979 | Mixed problems: Constructing bisectors and perpendicular lines |  |  |  |
|  | U820 | Constructing loci |  |  |  |


| Autumn term Year 11 <br> Foundation <br> Half Term 2 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Topic | $\begin{aligned} & \text { Sparx } \\ & \text { Code } \end{aligned}$ | Title | Covered | RAG | Revisit |
| Properties of 3D Shapes | U719 | Properties of 3D shapes |  |  |  |
|  | 0743 | Plans and elevations |  |  |  |
|  | U929 | Finding the surface area of cubes and cuboids |  |  |  |
|  | U259 | Finding the surface area of prisms |  |  |  |
|  | U464 | Finding the surface area of cylinders |  |  |  |
|  | U523 | Finding the surface area of cones |  |  |  |
|  | U893 | Finding the surface area of spheres |  |  |  |
|  | U561 | Finding the surface area of composite shapes |  |  |  |
|  | 0786 | Finding the volume of cubes and cuboids |  |  |  |
|  | U174 | Finding the volume of prisms |  |  |  |
|  | 0915 | Finding the volume of cylinders |  |  |  |
|  | U116 | Finding the volume of cones |  |  |  |
|  | U484 | Finding the volume of pyramids |  |  |  |
|  | U350 | Finding the volume of frustums |  |  |  |
|  | $\cup 617$ | Finding the volume of spheres |  |  |  |
|  | U543 | Finding the volume of composite shapes |  |  |  |
| Congruent Shapes | U790 | Understanding congruence |  |  |  |
|  | U551 | Understanding similarity |  |  |  |
|  | U112 | Mixed problems: Understanding similarity and congruence |  |  |  |
|  | U866 | Congruent triangles |  |  |  |
| Similar shapes | U578 | Finding unknown sides in similar shapes |  |  |  |


| Spring term Year 11 Foundation Half Term 3 | Name | Title | Covered | RAG | Revisit |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Topic | $\begin{aligned} & \begin{array}{l} \text { Sparx } \\ \text { code } \end{array} \end{aligned}$ |  |  |  |  |
| Proportion | U721 | Solving direct proportion word problems |  |  |  |
|  | U357 | Solving inverse proportion word problems |  |  |  |
|  | 0640 | Interpreting direct proportion equations |  |  |  |
|  | U364 | Interpreting inverse proportion equations |  |  |  |
|  | U238 | Graphs of direct and inverse proportion |  |  |  |
|  | U256 | Calculating with rates |  |  |  |
| Review Averages and averages from atable table | 0526 | Calculating the range |  |  |  |
|  | U456 | Calculating the median |  |  |  |
|  | U260 | Finding the mode |  |  |  |
|  | U291 | Calculating the mean |  |  |  |
|  | 0569 | Finding averages from frequency tables |  |  |  |
|  | U854 | Finding averages from diagrams |  |  |  |
|  | U877 | Finding averages from grouped data |  |  |  |
|  | 0717 | Choosing suitable averages and solving problems |  |  |  |
| Transformations | U196 | Translation |  |  |  |
|  | U799 | Reflection |  |  |  |
|  | 0696 | Rotation |  |  |  |
|  | U519 | Enlargement by a positive scale factor |  |  |  |
|  | U766 | Combining transformations |  |  |  |
| Review - Trigonometry and Pythagoras | U385 | Using Pythagoras' theorem in 2D |  |  |  |
|  | 4605 | Understanding sin, cos and tan |  |  |  |
|  | U283 | Finding unknown sides in right-angled triangles |  |  |  |
|  | 0545 | Finding unknown angles in right-angled triangles |  |  |  |
|  | 0627 | Using the exact values of trigonometric ratios |  |  |  |


| Topic | $\begin{array}{\|l\|l\|} \hline \text { Sparx } \\ \text { code } \end{array}$ | Title | Covered | RAG | Revisit |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Review - linear equations | U755 | Solving equations with one step |  |  |  |
|  | U325 | Solving equations with two or more steps |  |  |  |
|  | U870 | Solving equations with the unknown on both sides |  |  |  |
|  | U505 | Solving equations with the unknown in the denominator |  |  |  |
|  | U599 | Constructing and solving equations |  |  |  |
| Review - simultaneous equations | U760 | Solving simultaneous equations using elimination |  |  |  |
|  | U757 | Solving simultaneous equations using substitution |  |  |  |

