| Number | Topics | Topic Code | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Approximation and estimation | Error interval | U657, U587 |  |  |  |
| Other | Use of a calculator | U926 |  |  |  |
| Algebra | Topics | Topic Code | R | A | G |
| Manipulation | Simplification | U105, U662 |  |  |  |
|  | Expansion of bracket | U179, U768, U606 |  |  |  |
|  | Factorisation | $\begin{aligned} & \text { U365, U178, U858, } \\ & \text { U963 } \end{aligned}$ |  |  |  |
|  | Laws of indices | U235, U694, U662 |  |  |  |
| Equations and inequalities | Linear equation | $\begin{aligned} & \text { U755, U325, U870, } \\ & \text { U505 } \end{aligned}$ |  |  |  |
|  | Equations of parallel lines | U377 |  |  |  |
|  | Form an equation | U599 |  |  |  |
|  | Quadratic inequality | U133 |  |  |  |
| Graphs | Coordinates | U789, U889 |  |  |  |
|  | Transformations of functions | U598, U487 |  |  |  |
|  | Graphs of trigonometric functions | U450 |  |  |  |
| Functions | Inverse and composite functions | U996, U448 |  |  |  |


| Ratio, <br> proportion, <br> and rates of <br> change | Topics | Topic Code | R | A | G |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Conversions | Area | U248 |  |  |  |
| Percentages | Depreciation | U988 |  |  |  |
| Ratio | Use of ratio | U753, U176, U577, <br> U595, U921, U676, <br> U865 |  |  |  |
| Proportion | Direct proportion | U721, U640, U407, <br> U238 |  |  |  |
|  | Currency conversion | U610 |  |  |  |
|  | Inverse proportion | U357, U364, U138 |  |  |  |
| Pressure | U527 |  |  |  |  |
| Compound |  |  |  |  |  |
| Measures |  |  |  |  |  |


| Geometry and <br> measures | Topics | Topic Code | R | A | G |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Shape | Transformations | U196, U799, U696, <br> U519, U134, U766 |  |  |  |
| Angles | Circle theorems | U459, U251, U489, <br> U130, U808 |  |  |  |
| Length, area <br> and volume | Area of a rectangle | U993, U934 |  |  |  |
| Volume of composite <br> solid | U543 |  |  |  |  |
| Pythagoras's <br> Theorem and <br> Trigonometry | Sine and Cosine Rules | U952, U591 |  |  |  |


| Probability | Topics | Topic Code | R | A | G |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Probability | Venn diagram | U476, U748 |  |  |  |
|  | Probability from a Venn <br> diagram | U699 |  |  |  |


| Statistics | Topics | Topic Code | R | A | G |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Diagrams | Box plot | U837 |  |  |  |
| Measures | Lower and upper <br> quartiles | U837, U642 |  |  |  |
| Populations | Compare distributions | U507 |  |  |  |
|  | Capture-recapture <br> method |  |  |  |  |
|  |  |  |  |  |  |

