## Maths Feb 2024 PPE Foundation Topic Checklist

## Paper 1: Non-calculator

|  | R | A | G |
| :--- | :--- | :--- | :--- |
| Powers and roots |  |  |  |
| Decimal calculation |  |  |  |
| Accurate measuring using geometry equipment |  |  |  |
| Interpreting inequality symbols |  |  |  |
| Reading number lines |  |  |  |
| Order of rotational symmetry |  |  |  |
| Collecting like terms |  |  |  |
| Expanding and factorising single brackets |  |  |  |
| Calculations with time |  |  |  |
| Tally charts |  |  |  |
| Bar charts |  |  |  |
| Integer calculation |  |  |  |
| Problems involving perimeter |  |  |  |
| Calculations involving money |  |  |  |
| Averages |  |  |  |
| Describing polygons |  |  |  |
| Drawing linear graphs |  |  |  |
| Calculations with fractions |  |  |  |
| Reflections |  |  |  |
| Set notation |  |  |  |
| Plotting graphs |  |  |  |
| Exact trig values |  |  |  |
| Equation of a straight line |  |  |  |
| Describing correlations |  |  |  |
| Estimations |  |  |  |
| Problems including percentages |  |  |  |
| Quadratic graphs |  |  |  |
| Area of circles and sectors |  |  |  |
| Factorising into double brackets |  |  |  |
| Standard form |  |  |  |

## Paper 2: Calculator

| Topic | R | A | G |
| :--- | :--- | :--- | :--- |
| Converting metric units of lengths and weight |  |  |  |
| Problems involving temperature |  |  |  |
| Percentage shown as diagrams |  |  |  |
| Solving equations |  |  |  |
| Converting between fractions, decimals, and percentages |  |  |  |
| Bank statements |  |  |  |
| Conversion graphs |  |  |  |
| Estimation |  |  |  |
| Averages |  |  |  |
| Problems with ratio |  |  |  |
| Forming equations |  |  |  |
| Problems involving money |  |  |  |
| Probability |  |  |  |
| Congruent and similar shapes |  |  |  |
| Two-way tables |  |  |  |
| Rotations |  |  |  |
| Pythagoras' theorem |  |  |  |
| Bearings |  |  |  |
| Definitions of faces, edges, and vertices |  |  |  |
| Area of a trapezium |  |  |  |
| Volume of prisms |  |  |  |
| Speed/time/distance calculations |  |  |  |
| Linear sequences |  |  |  |
| Straight line graphs |  |  |  |

## Paper 3: Calculator

| Topic | R | A | G |
| :--- | :--- | :--- | :--- |
| Percentages of amounts |  |  |  |
| Place value |  |  |  |
| Definitions of polygons |  |  |  |
| Parts of a circle |  |  |  |
| Factors of numbers |  |  |  |
| Substitution into formula |  |  |  |
| Rearranging formula |  |  |  |
| Area of a triangle |  |  |  |
| Writing co-ordinates |  |  |  |
| Problems involving money |  |  |  |
| Volume of prisms |  |  |  |
| Pictograms |  |  |  |
| Collecting like terms |  |  |  |
| Converting between fractions, decimals, and percentages |  |  |  |
| Listing outcomes |  |  |  |
| Probability |  |  |  |
| Scale diagrams |  |  |  |
| Functions machines |  |  |  |
| Arithmetic progression |  |  |  |
| Frequency diagrams |  |  |  |
| Venn diagrams |  |  |  |
| Error intervals |  |  |  |
| Categorising data |  |  |  |
| Percentage increase and decrease |  |  |  |
| Primes, cubes, squares |  |  |  |
| Trigonometry |  |  |  |
| Tree diagrams |  |  |  |
| Simultaneous equations |  |  |  |
| Volume and surface area of a cylinder |  |  |  |
| Area of a parallelogram | Averages |  |  |
| Angles in parallel lines |  |  |  |
|  |  |  |  |

