

## Park House School - Year 8 January Assessment

### Maths Assessment Manifest

- You will have 1 maths paper which is a calculator paper
- The paper will be 60 marks
- The paper will be 55 minutes

### Checklist

#### Number

Topics	Red	Amber	Green
I can find percentages of amounts with a calculator			
I can calculate percentage change with a calculator			

#### Algebra

Topics	Red	Amber	Green
I can use index rules with positive indices			
I can use index rules with negative indices			
I can simplify expressions using index laws			
I can simplify algebraic fractions by cancelling common factors			
I can solve equations of the form $(x + a)/b = c$			
I can solve linear equations involving brackets			
I can solve equations with the unknown in the denominator			
I can solve equations with unknowns on both sides			
I can construct and solve equations			
I can find the term-to-term rules for numerical sequences			
I can find the term-to-term rules for sequences of patterns			
I can substitute into position-to-term rules			
I can find the position-to-term rules for arithmetic sequences			
I can find the position-to-term rules for sequences of patterns			

#### Ratio and proportion

Topics	Red	Amber	Green
I can answer value for money problems			
I can write and simplify ratios			
I can write ratios in the form 1:n			
I can convert between ratios, fractions and percentages			
I can use equivalent ratios to find unknown amounts			
I can share amounts in a given ratio			
I can draw and interpret scale diagrams			

