**Year 7 AP Topic List**

**Non-Calculator Skills**

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| Topic |
| **Use diagrams to compare two or more simple fractions.** |
| **Convert terminating decimals to fractions, e.g. 0.23 =** |
| **Use a probability scale with words.** |
| **Use the unitary method to solve simple word problems involving ratio and direct proportion.** |
| **Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.** |
| **Use mental methods of calculation to find percentages of amounts** |
| **Express one number as a fraction of another.** |
| **Use a ratio to find one quantity when the other is known.** |
| **Estimate the number of times an event will occur, given the probability and the number of trials.** |
| **Understand the relationship between fractions and ratios, write fractions as ratios and ratios as fractions.** |
| **Interpret and write ratios to describe a situation.** |

**Calculator Skills**

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| **Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.** |
| **Work out probabilities from frequency tables.** |
| **Compare relative frequencies from samples of different sizes.** |
| **Find the probability of an event happening using relative frequency.** |
| **Use the equivalence of fractions, decimals and percentages to compare proportions (i.e. compare a fraction and a percentage).** |