**Year 8 AP Topic List**

**Non-Calculator Skills**

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| Topic |
| **Know that the sum of angles in a triangle is 180°.** |
| **Understand and use decimal notation and place value.** |
| **Round numbers to a specified number of decimal places.** |
| **Be able to divide any number by 0.1 and 0.01** |
| **Identify alternate and corresponding angles on parallel lines and their values.** |
| **Order negative decimals with the largest on the left**  |
| **Extract data and interpret line graphs.** |
| **Multiply multi-digit numbers up to 4 digits by a 1- or 2-digit whole number using the formal written method of long multiplication.** |
| **Discuss and interpret linear and non linear graphs from a range of sources.** |
| **Multiply and divide by decimals, by transforming to multiplication or division by an integer and then converting back.** |

**Calculator Skills**

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| Topic |
| **Derive and use the sum of angles in a triangle and a quadrilateral.** |
| **Use the fact that the sum of the interior angle and the exterior angle is 180°.** |
| **Interpret and write ratios to describe a situation.** |
| **Divide a quantity into more than two parts in a given ratio.** |
| **Identify and begin to use angle, side and symmetry properties of quadrilaterals.** |
| **Simplify a ratio expressed in fractions or decimals.** |
| **Find the size of each interior angle or the size of each exterior angle or the number of sides of a regular polygon.** |
| **Solve a ratio problem in context.** |