



St George's Academy  
aiming high to achieve excellence for all

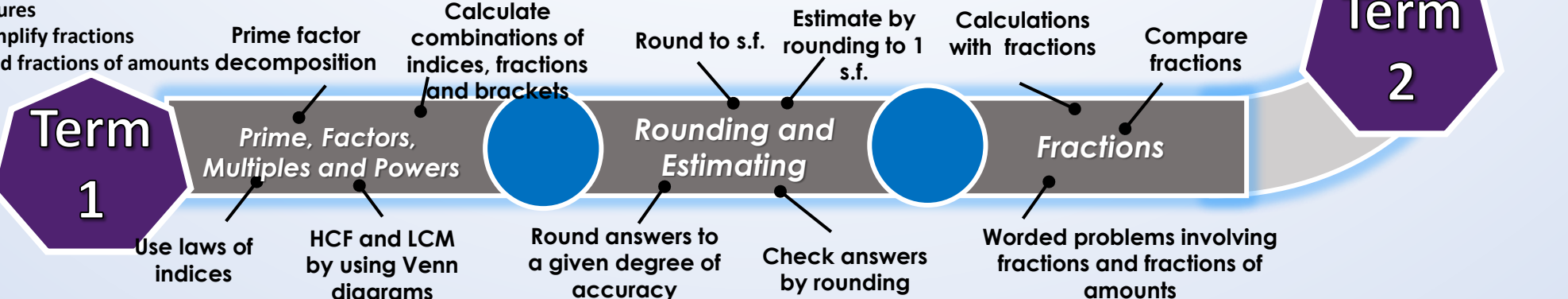
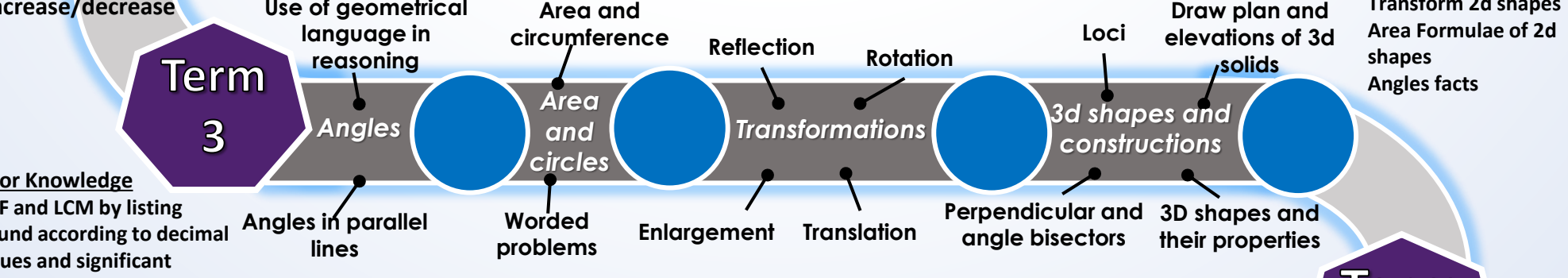
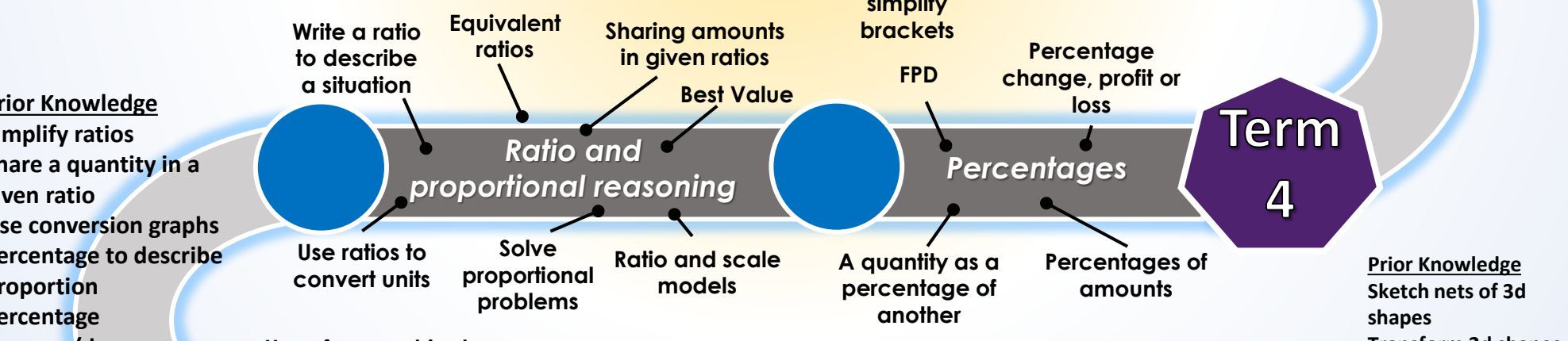
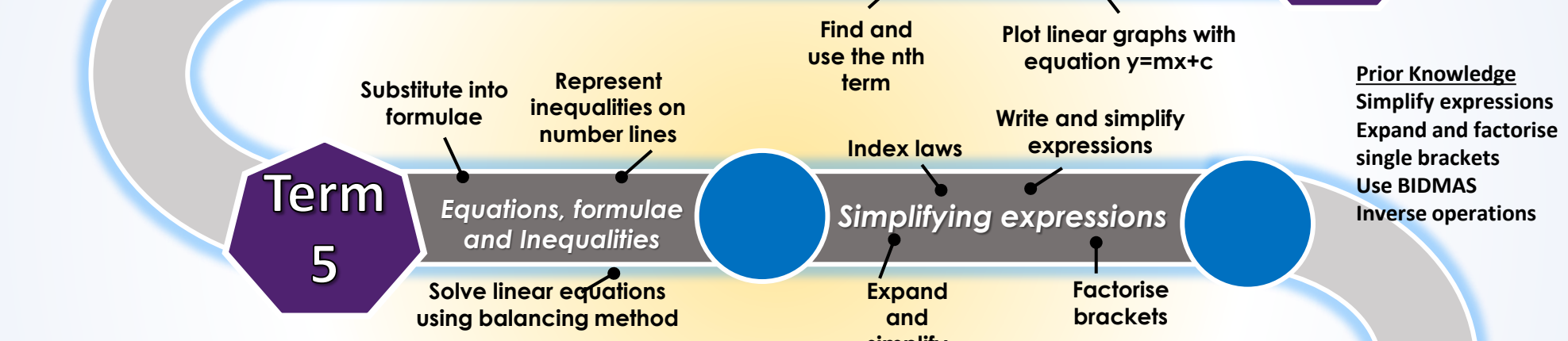
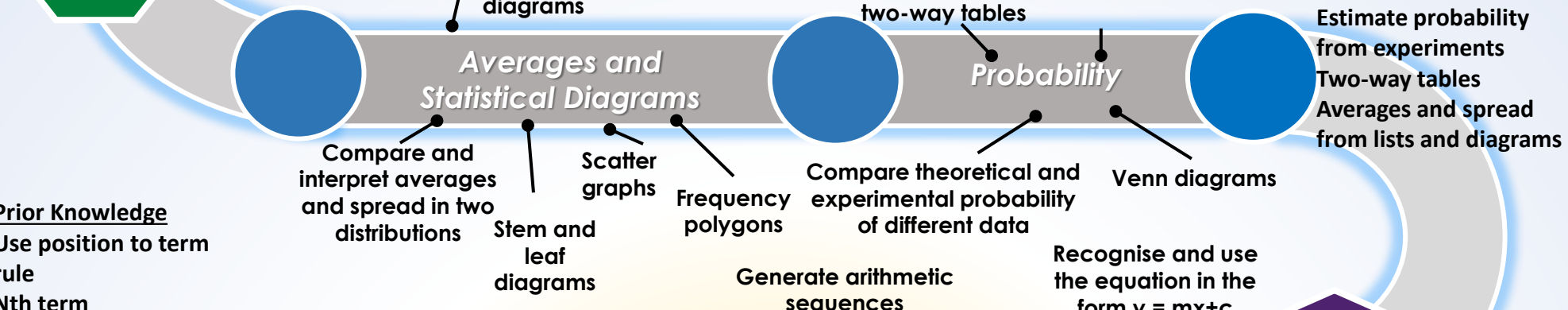
# Year 9 Crossover Mathematics Journey

**Career's linked to year 9 topics**  
 Data Analyst      Engineering  
 Banking            Game creator  
 The trades         Retail  
 Architect            Business  
 Pilot                 Medical professions

**Year 10**

**Prior Knowledge**  
 Use position to term rule  
 Nth term  
 Plot straight line graphs  
 Recognise values from a graph

**Prior Knowledge**  
 Calculate probability of single events  
 Estimate probability from experiments  
 Two-way tables  
 Averages and spread from lists and diagrams



**Prior Knowledge**  
 Simplify ratios  
 Share a quantity in a given ratio  
 Use conversion graphs  
 Percentage to describe proportion  
 Percentage increase/decrease

**Prior Knowledge**  
 Simplify expressions  
 Expand and factorise single brackets  
 Use BIDMAS  
 Inverse operations

**Prior Knowledge**  
 Sketch nets of 3d shapes  
 Transform 2d shapes  
 Area Formulae of 2d shapes  
 Angles facts