

# Y11 Work for Y12 core maths

## **Paper 1 – Relevant Hegarty tasks in brackets**

### **Percentages and Risk:**

- Apply percentages to tasks involving money, interest and depreciation. (95)

### **Estimation:**

- Calculate and work with error bounds. (777)

### **Formulae:**

- Be able to write a formula from a given text. (176)

### **Graphs:**

Draw a tangent to a curve and calculate gradient at a point. (889)

### **Standard form:**

- Calculate using standard form. (128)

### **Measures and Scaling:**

- Work with scale factors for length, area and volume. (621)

### **Exponentials:**

- Calculate using an exponential formula. (796)

### **Probability:**

- Use frequency trees to calculate relative frequencies and probability trees to calculate probabilities for independent and dependent events, including conditional probability. (363)

### **Statistics:**

- Calculate means and be able to use weighted means. (418)

### **Sampling methods:**

- Recognise different sampling methods from a description of how data collected. Main ones are random, stratified, opportunity, systematic, cluster. (395)