

**Ringwood Secondary College**  
**2017 Course Planning Document**

## **VCE Unit 3 Further Maths Extension**

### **Time Allocation**

This unit of work will consist of approximately 100 hours of which at least 50 hours will be class time.  
**To complete this unit of work satisfactorily, students must complete each of the following learning outcomes.**

### **Learning Outcomes**

#### **Outcome 1**

The student should be able to define and explain key terms and concepts from the Data Analysis and Recursion and Financial Modelling areas of study. They should be able to use this knowledge to apply related mathematical procedures to solve routine application tasks.

#### **Outcome 2**

The student should be able to select and apply the mathematical concepts, models and techniques covered in the Data Analysis and Recursion and Financial Modelling areas of study.

#### **Outcome 3**

The student should be able to select and appropriately use the numerical, graphical, symbolic and statistical functions of technology to develop mathematical ideas, produce results and carry out analysis in situations requiring problem solving, modelling or investigative techniques or approaches.

### **Assessment Tasks**

#### **1. Data Analysis Application Task**

The student is required to apply knowledge and understanding of the presentation and analysis of univariate and bivariate data in a series of tasks involving unseen data.

**Weighting:** This task is worth 40% of the overall SAC grade and 12% of the overall grade.

**Time allocated to task:** 4 periods

**Due:** Term 2, Week 2

#### **2. Recursion and Financial Modelling**

The student is required to apply knowledge and mathematical procedures to a modelling or problem solving task related to recursion and financial modelling.

**Weighting:** This task is worth 20 % of the overall SAC grade and 7% of the overall grade.

**Time allocated to task:** 1 period

**Due:** Term 2, Week 8