

# **Nature of Biology Book 2, Third Edition**

## **CONTENTS**

Preface

Acknowledgements

### **UNIT 3: SIGNATURES OF LIFE**

#### **Area of study 1: Molecules of life**

- Chapter 1 Chemical nature of the cell
- Chapter 2 Membranes and cell organelles
- Chapter 3 Biochemical processes in cells
- Chapter 4 Molecular biology in medicine

#### **Area of study 2: Detecting and responding**

- Chapter 5 Coordination and regulation: endocrine systems
- Chapter 6 Coordination and regulation: nervous systems
- Chapter 7 Infection and disease
- Chapter 8 Immunity: defence against disease

### **UNIT 4: CONTINUITY AND CHANGE**

#### **Area of study 1: Heredity**

- Chapter 9 Genes, chromosomes and patterns of inheritance
- Chapter 10 Nature, structure and organisation of the genetic material
- Chapter 11 Gene function: genes in action
- Chapter 12 Manipulating DNA: tools and techniques

#### **Area of study 2: Change over time**

- Chapter 13 Population genetics
- Chapter 14 Evolution: changes over time
- Chapter 15 Hominin evolution
- Chapter 16 Human intervention in evolution

Appendices

Glossary

Index