## CONTENTS

List of Illustrations	ix
Map of medieval Europe	x-xi
Introduction: The Truth about Science in the Middle Ages	1
Chapter 1: After the Fall of Rome: Progress in the Early Middle Ages	11
Chapter 2: The Mathematical Pope	-25
Chapter 3: The Rise of Reason	43
Chapter 4: The Twelfth-Century Renaissance	61
Chapter 5: Heresy and Reason	77
Chapter 6: How Pagan Science was Christianised	91
Chapter 7: Bloody Failure: Magic and Medicine in the Middle Ages	109
Chapter 8: The Secret Arts of Alchemy and Astrology	121
Chapter 9: Roger Bacon and the Science of Light	135
Chapter 10: The Clockmaker: Richard of Wallingford	153
Chapter 11: The Merton Calculators	167
Chapter 12: The Apogee of Medieval Science	181
Chapter 13: New Horizons	197
Chapter 14: Humanism and the Reformation	211
Chapter 15: The Polymaths of the Sixteenth Century	231
Chapter 16: The Workings of Man: Medicine and Anatomy	247
Chapter 17: Humanist Astronomy and Nicolaus Copernicus	265
Chapter 18: Reforming the Heavens	279
Chapter 19: Galileo and Giordano Bruno	299
Chapter 20: Galileo and the New Astronomy	311
Chapter 21: The Trial and Triumph of Galileo	323
Conclusion: A Scientific Revolution?	337
Suggestions for Further Reading	343
Timeline	345
List of Key Characters	349
Notes	359
Bibliography of Works Cited	395
Acknowledgements	421
Index	423