

CONTENTS

<i>Acknowledgments</i>	vii
1 Introduction	1
2 Discovery	8
3 Heuristics	24
4 Justification	43
<i>Study Exercise 1: Scientific Method</i>	60
5 Observation	62
6 Experiment	72
<i>Study Exercise 2: Explanation and Causality</i>	88
7 Realism	90
8 Anti-realism	104
<i>Study Exercise 3: Truth and Existence</i>	122
9 Independence	124
10 Gender Bias	140
<i>Study Exercise 4: Science and Genders</i>	152
<i>Appendix: Where we've been and where to go for more</i>	154
<i>Notes</i>	156
<i>Further reading</i>	160
<i>Index</i>	163