

CONTENTS



List of contributors	page vi
Preface	vii
Acknowledgements	x
Part 1 The foundations	1
1 Plant diversity Michael Buffin and Tim Upson	3
2 Plant structure Kelvin Mason	25
3 Light Daphne Vince-Prue	57
4 Water and its importance for plants Daphne Vince-Prue	71
5 Climate, weather and seasonal effects Daphne Vince-Prue	87
6 Soils and plant nutrients Chris Bird	105
7 Flowers, fruits and seeds Kelvin Mason	133
Part 2 The adjustments	161
8 Propagating plants vegetatively Daphne Vince-Prue and Rosie Yeomans	163
9 Gardening for science I Aaron Mills	187
10 Shaping plants Daphne Vince-Prue and Chris Bird	201
11 Protected cultivation Chris Allen	223
Part 3 The applications	235
12 Gardening for food Chris Bird	237
13 Designing gardens and landscapes Jenny Shukman	267
14 Using plants in the garden Jenny Shukman and Rosie Yeomans	293
15 Gardening for science II Aaron Mills	323
16 Commercial horticulture Chris Allen	333
17 Integrated pest management Neil Helyer	353
18 Conservation and sustainability Jenny Shukman	381
Appendix 1	401
Appendix 2	410
Appendix 3	413
Glossary	421
Figure credits	443
Index	447