

Contents

Foreword: A Time for Wizardry	vii
PART ONE: PRINCIPLES	1
Lesson 1: Introducing Energy	1
Lesson 2: Introducing Matter	7
Lesson 3: Introducing Information	13
Lesson 4: Thinking in Systems	19
Lesson 5: Flows and Funds	25
Lesson 6: Sustainability and Resilience	32
Resources for Part One	37
PART TWO: FOOD	45
Lesson 7: The Small Garden	45
Lesson 8: Understanding Soil	50
Lesson 9: Composting and Mulching	55
Lesson 10: Keeping Them Healthy	62
Lesson 11: Season Extenders	67
Lesson 12: Saving Seeds	71
Lesson 13: Breeding New Varieties	76
Lesson 14: Wild Helpers	80
Lesson 15: Home Livestock	85
Lesson 16: The Unwanted	91
Lesson 17: Storing the Harvest	96
Lesson 18: Using the Harvest	101
Resources for Part Two	105

PART THREE: ENERGY	111
Lesson 19: Using Less Energy	111
Lesson 20: Caulking and Weatherstripping	117
Lesson 21: Insulation	122
Lesson 22: Window Coverings	126
Lesson 23: Conserving the Differences	131
Lesson 24: Hayboxes and Sunboxes	135
Lesson 25: Solar Hot Water	141
Lesson 26: Passive Solar Heat	146
Lesson 27: Solar Electricity	150
Lesson 28: Wind Power	155
Lesson 29: Other Energy Sources	160
Lesson 30: Transportation	166
Resources for Part Three	171
PART FOUR: WHOLE SYSTEMS	175
Lesson 31: Putting It Together	175
Lesson 32: The New Alchemy Option	181
Lesson 33: The Down Home Funk Option	186
Lesson 34: The Retrofit Option	191
Lesson 35: The Way of Dissensus	196
Lesson 36: The Long View	201
Resources for Part Four	206
Afterword: Why It Matters	211
Notes	228
Index	230
About the Author	235