

TABLE OF CONTENTS

ACKNOWLEDGMENTS	i
1. MAKING THE CONNECTION: WATERSHEDS, BUGS AND PESTICIDES	1
Watersheds, Bugs, and Pesticides	3
Holding a Watershed in Your Hand.....	7
Weaving a Web of Life	11
The Path of Poisons	17
2. WHAT'S BUGGING YOU? OBSERVING AND IDENTIFYING INSECTS	21
The Good, the Bad and the Buggy Background Information.....	23
The Key to Bugs.....	29
Insect Anatomy Worksheet.....	33
Key to Arthropods.....	35
Some Common Insect Orders	37
It's a Bug's Life: Insect Life Cycles	39
Find Your Match Cards.....	43
Scent-sational Senses.....	53
Mouthpart Madness.....	57
"Bug" Hunters: Tools for Catching Bugs	61

3. PESTS OR PALS? IDENTIFYING HELPFUL AND HARMFUL "BUGS"	69
Pests or Pals?	71
Friend, Foe, or Escargot?	79
Friends and Foes Background Information	85
Garden Friends, Garden Foes Identification Sheet	93
Insect Investigator Sheet	95
Build-a-Beneficial Bug Challenge	97
The Clean-up Crew	105
Clean-up Crew Worksheet	109
Clean-up Crew Background Information	111
Classroom Worm Bins: Raising Critters With a Sense of Humus	113
Dandelions: What About Weeds?	125
4. THE PEST PATROL: MANAGING PESTS AT SCHOOL AND AT HOME	131
Creating Healthy Schools, Homes and Gardens with Integrated Pest Management	133
Pest Investigators: Making a School Pest Control Survey	137
Become a Bug Buster: Learning About IPM	143
The Six Steps of IPM	147
What is IPM? Background Information	149
Examples of IPM	151
Join the Pest Patrol: Monitoring Pests in the Classrooms and on the Schoolgrounds	153
Pest Patrol Classroom IPM Checklist	157
Pest Patrol Garden IPM Chart	159
Create a Pesticide Free Zone	161

5. INSECTS, MYTH AND MAGIC: INSECTS AND HUMAN CULTURE	165
A Garden of Verses: Writing Bug Poetry	167
Snug as a Bug in a Rug: Insects and Popular Wisdom	171
Tell Me a Story: Insects in Myth and Legend	177
6. PLANTS FOR PALS: GARDENS THAT ATTRACT GOOD BUGS	181
A Garden for Beneficial Insects	183
Plant a Butterfly Banquet.....	189
Plant a Pollinator Pot.....	199
7. INSECT-LO-PEDIA	203
Insect-lo-pedia: A Glossary of Words to 'Bug' You.....	205
8. RESOURCES: LEARNING MORE ABOUT BUGS	209
Bug-related Web Sites	211
Curriculum and Activities.....	211
Where to Buy "Bugs"	212
Viewing Insects	213
Less-Toxic Pest Management.....	213
Catalogs and Directories	217
Teaching Materials.....	217
Less-Toxic Pest ManagementSupplies	218
Bug-related Organizations and Programs	221

9. BOOKS ABOUT "BUGS"	225
Curriculum and Activity Guides	227
Children's Books	231
Non-Fiction.....	231
Field Guides.....	234
Fiction.....	234
"Buggy" Background Information.....	237
Insect Identification and Information	237
IPM and Less-toxic Gardening.....	238
10. SCHOOL IPM	
What is the Healthy Schools Act	241
Ten Steps to a Healthy School	243
What You Can Do About Pesticide Use in School.....	245
Kids at Risk: Pesticides & Children's Health	249
11. PEST FACT SHEETS	
Growing a Healthy Garden to Manage Pests Naturally	
Pesticides and Water Quality	
Use and Disposal of Pesticides	
Ants: Controlling Ants in Your House	
Aphids: Controlling Aphids in Your Garden	
Cockroaches: Keeping Cockroaches Out of Your House	
Fleas: Keeping Fleas Off Your Pets and Out of Your Yard	
Lawns: Tips for a Healthy Beautiful Lawn	
Mosquitoes: Managing Mosquitoes	
Roses: Wonderful Roses	
Snails: Controlling Snails and Slugs in Your Garden	

Spiders: Living With Spiders the Helpful Hunters

Weeds: How to Control Weeds

12. APPENDIX: Correlations to California State Content Content Standards

Pest or Pal Workshop
