

Awakening Inquiry

Table of Contents

Foreward: The Story of Awakening Inquiry	i
About the Authors	ii
Introduction	iv
The <i>NatureMapping</i> Program.....	iv
Leading and Learning with Habits of Mind	iv
Coyote’s Guide to Connecting with Nature	iv
Integration of Three Approaches	v
Tips and Techniques.....	vi
Acknowledgements	viii
UNIT #1 - Journal	1
Lesson 1: Animal Forms as Core Routines	3
Lesson 2: Using a Sit Spot.....	5
Game: Eagle Eye	6
Game: Cat Walking	6
Lesson 3: Introduction to Journaling.....	8
Game: Ancient Explorer.....	9
Game: Whose Pine Cone is it?	9
Lesson 4: Story of the Day	13
UNIT #2 – Measure Time and Date	19
Game: Celsius Freeze Tag.....	20
Lesson 1: Telling Time.....	21
Lesson 2: Want a Date?.....	26
Game: Birthday Sort.....	27
Game: Squirrel Time	27
Lesson 3: The Natural Cycles.....	30
UNIT #3A – Take Measurements and Estimate Size	35
Lesson 1: As Big as What?.....	37
Lesson 2: Estimate the Size of an Animal at a Distance	43
Lesson 3: Identification by Tracks	48
UNIT #3B – Estimate Numbers of Animals in a Group	55
Game: Hawks and Voles	56
Lesson 1: Introduction to Group Estimates	59
Lesson 2: The Grid System	61

UNIT #4A – Nature Names	65
Lesson 1: Selecting a Nature Name.....	67
Game: Fire in the Forest	70
Lesson 2: Developing a Search Image: Where and When to Look.....	72
UNIT #4B – Using Senses	77
Lesson 1: Using Your Senses	79
Game: Owl Eyes.....	82
Game: Deer Ears.....	82
Game: Raccoon Touch	83
Game: Dog Nose	83
Game: Fox Walk.....	84
Lesson 2: How to Listen (Grades 3-8).....	87
Game: Five Voices of Birds	87
Lesson 3: Who are You Listening to?	89
UNIT #4C – WANTED Poster	93
Lesson 1: What to Focus on	95
Lesson 2: Make the WANTED Poster	97
UNIT #5A – “Read” a Plant	101
Game: Plant Concentration.....	102
Lesson 1: Selecting a Nature Name.....	104
Lesson 2: Developing a Search Image: Where and When to Look.....	107
UNIT #5B – Plant Senses	109
Lesson 1: Using Your Senses	110
Game: Raccoon Touch	112
Game: Sun Surprise.....	112
Game: Dog Nose	113
Game: Water Wizards	113
Lesson 2: What is the Scientific Name?.....	116
UNIT #5C –Plant WANTED Poster	119
Lesson 1: What to Focus on	120
Lesson 2: Make the WANTED Poster	121
UNIT #6 – Read and Use Maps	125
Game: Talbot’s Game.....	126
Lesson 1: Cardinal Directions	127
Lesson 2: What is a Map?	129
Lesson 3: Creating Our Own Maps	131
Lesson 4: Using a GPS to Record Locations Around the School Grounds.....	133

UNIT #7 – Use Data to Answer Questions	136
Game: Data Daredevils.....	138
Lesson 1: Building a Graph.....	140
Lesson 2: Using a Spreadsheet	149
Ideas for the Continuation and Integration of the Animal Study with Maps.....	153
Use Data to Answer a Bigger Question.....	153
 Appendix	
Resources & Materials	156
 CD Resources & Materials	162