

## TABLE OF CONTENTS

|   |           |
|---|-----------|
| <b>LESSON 1: No Place To Run</b> .....            | <b>5</b>  |
| Grades 3-5 Option .....                           | 7         |
| Grades 6-8 Option .....                           | 11        |
| Grades 9-12 Option .....                          | 15        |
| <b>LESSON 2: Capture, Store and Release</b> ..... | <b>19</b> |
| Grades 3-5 Option .....                           | 23        |
| Grades 6-8 Option .....                           | 25        |
| Grades 9-12 Option .....                          | 27        |
| <b>LESSON 3: How Deep Will It Flow?</b> .....     | <b>31</b> |
| Grades 3-5 Option .....                           | 33        |
| Grades 6-8 Option .....                           | 35        |
| Grades 9-12 Option .....                          | 37        |
| <b>LESSON 4: Put On Your Design Cap</b> .....     | <b>39</b> |
| Grades 3-5 Option .....                           | 41        |
| Grades 6-8 Option .....                           | 45        |
| Grades 9-12 Option .....                          | 47        |
| <b>LESSON 5: Get Down and Dirty</b> .....         | <b>49</b> |
| Grades 3-5 Option .....                           | 53        |
| Grades 6-8/9-12 Option .....                      | 55        |
| <b>LESSON 6: Measuring Up</b> .....               | <b>57</b> |
| Grades 3-5 Option .....                           | 61        |
| Grades 6-8/9-12 Option .....                      | 63        |

### APPENDICES:

|  |            |
|--|------------|
| <b>Rain Garden Lesson Guide Correlations by Grade</b> .....          | <b>65</b>  |
| <b>Topographic Map Orientation Activity</b> .....                    | <b>81</b>  |
| <b>Dot Grid Master</b> .....   | <b>83</b>  |
| <b>Calculating Runoff Worksheet</b> .....                            | <b>85</b>  |
| <b>Sizing a Rain Garden Worksheet – Middle School</b> .....          | <b>87</b>  |
| <b>Slope Handout</b> .....   | <b>89</b>  |
| <b>Runoff Coefficients</b> .....                                     | <b>91</b>  |
| <b>Sizing A Rain Garden Worksheet – High School</b> .....            | <b>93</b>  |
| <b>How to Conduct a Perk Test</b> .....                              | <b>95</b>  |
| <b>Key to Soil Texture by Feel</b> .....                             | <b>97</b>  |
| <b>Plant Worksheet</b> .....   | <b>99</b>  |
| <b>Plant Evaluation Table</b> .....                                  | <b>101</b> |
| <b>Rain Garden Species Selection Criteria Worksheet</b> .....        | <b>103</b> |
| <b>Measuring Up Example Butcher Paper Plant Success Record</b> ..... | <b>105</b> |
| <b>Resources</b> .....   | <b>107</b> |