Contents

Program Overview
What Is Leaps and Bounds? 1
Research and Philosophy 2
How to Use Leaps and Bounds 4
Frequently Asked Questions 7
Components 9

Teaching Notes

Strand: Number

Number Strand Overview 10

Representing Whole Numbers
Topic Overview (page 12)
Diagnostic Tool (page 14)
Pathway 1:
Representing Numbers to 1000 Open-ended 18
Guided 19
Pathway 2:
Representing Numbers to 100 Open-ended 20
Guided 21
Pathway 3:
Representing Numbers to 20 Open-ended 22
Guided 23

Skip Counting
Topic Overview (page 24)
Diagnostic Tool (pages 26)
Pathway 1:
Skip Counting to 1000 Open-ended 30
Guided 31
Pathway 2:
Skip Counting to 100 Open-ended 32
Guided 33
Pathway 3:
Skip Counting to 20 Open-ended 34
Guided 35

Comparing and Ordering Numbers
Topic Overview (page 36)
Diagnostic Tool (page 38)
Pathway 1:
Comparing and Ordering to 1000 Open-ended 42
Guided 43
Pathway 2:
Comparing and Ordering to 100 Open-ended 44
Guided 45
Pathway 3:
Comparing and Ordering to 20 Open-ended 46
Guided 47

Adding Whole Numbers
Topic Overview (page 48)
Diagnostic Tool (page 50)
Pathway 1:
Adding Three-Digit Numbers Open-ended 54
Guided 55
Pathway 2:
Adding Two-Digit Numbers Open-ended 56
Guided 57
Pathway 3:
Adding One-Digit Numbers Open-ended 58
Guided 59

Copyright © 2011 by Nelson Education Ltd. Leaps and Bounds 3/4
Strand: Geometry

Geometry Strand Overview

3-D Shapes
Topic Overview (page 120)
Diagnostic Tool (page 122)

Pathway 1:
Describing 3-D Shapes → Open-ended 126
Guided 127
Pathway 2:
Building 3-D Shapes → Open-ended 128
Guided 129

2-D Shapes
Topic Overview (page 130)
Diagnostic Tool (page 132)

Pathway 1:
Describing 2-D Shapes → Open-ended 136
Guided 137
Pathway 2:
Building 2-D Shapes → Open-ended 138
Guided 139

Movement and Location
Topic Overview (page 140)
Diagnostic Tool (page 142)

Pathway 1:
Moving on a Grid → Open-ended 146
Guided 147
Pathway 2:
Using Positional Language → Open-ended 148
Guided 149

Strand: Measurement

Measurement Strand Overview

Length
Topic Overview (page 152)
Diagnostic Tool (page 154)

Pathway 1:
Length: Standard Units → Open-ended 158
Guided 159
Pathway 2:
Length: Non-Standard Units → Open-ended 160
Guided 161

Mass
Topic Overview (page 162)
Diagnostic Tool (page 164)

Pathway 1:
Mass: Using Grams → Open-ended 168
Guided 169
Pathway 2:
Mass: Using Kilograms → Open-ended 170
Guided 171
Pathway 3:
Mass: Using Non-Standard Units → Open-ended 172
Guided 173