## **Contents**

Before we	start	7
	1 Let 'em grow	10
Phase I	The pre-numerical launching pad (Lops 1–25)	27
	2 The magic of words	257
	3 Setting up the launching pad	27
	4 Gauging the state of play	32
	5 Sorting playthinks	49 60
Phase II	The beginnings of number and logic (Lops 26–53)	65
	6 More things to do	65
	7 Playthinks and lops for the beginnings	77
	of number and quantity	
Phase III	Number proper (Lops 54–91)	94
	8 How many beans make 5?	94
	9 Coming to grips with simple transformations	101
Phase IV	Conservation (Lops 92–118)	124
	10 Conservation simple and not so simple	124
	11 Conserving identity, number and	142
	quantity	
	12 The end of the beginning	164
Appendix	Network lops	171
Further reading		177
Index		178