

# Contents at a Glance

	Introduction	xiv
<b>CHAPTER 1</b>	What's In the Box?	1
<b>CHAPTER 2</b>	What's In the LEGO Education Box?	41
<b>CHAPTER 3</b>	Comparing the EV3 and NXT	71
<b>CHAPTER 4</b>	Building Your First Bots	83
<b>CHAPTER 5</b>	Building the LEGO Education Bots	109
<b>CHAPTER 6</b>	Hacking What You Have	125
<b>CHAPTER 7</b>	Make Your First EV3 Program	149
<b>CHAPTER 8</b>	More MINDSTORMS Programming: The Line-Following Robot	181
<b>CHAPTER 9</b>	Engineering the Floor-Cleaning Robot	221
<b>CHAPTER 10</b>	The Color Magic Card Trick	257
<b>CHAPTER 11</b>	Daisy-Chaining Projects	291
<b>CHAPTER 12</b>	Extending Play	327
<b>APPENDIX A</b>	Glossary	349
	Index	363