

Acknowledgments	xiii
Foreword	xvii
Preface	xix

Part One Getting the Organization Ready to Develop Exceptional People	I
Chapter 1 What Can We Learn from Toyota about Developing Talent?	3
The Philosophy of Training and Development within Toyota	3
The Unfortunate Reality	7
The Cycle of Struggle and Firefighting'	10
Breaking the Cycle of Defeat to Create a Cycle of Success	11
If People Are the Answer, Selecting Quality People Must Be the Key	12
Develop People to Ensure Prosperity	13
Chapter 2 _Toyota Works Hard to Develop Exceptional People	17
People Development Is Critical to Toyota	17
The Toyota Production System Demands High Capability	20
Standardizing Training to Meet Global Needs	22
Toyota's Human System Model	24
Fundamentals of Training Are Applicable to Developing Employee Talent	26
Teaching Fundamental Skills in a Standardized Way at Toyota	29

Pay Now or Pay Later	31
Can You Achieve Results Similar to Those of Toyota?	33
Chapter 3 Toyota and the Training Within Industry Program	35
Training Within Industry	35
Job Instruction Is the Foundation for Developing Talent	41
Toyota and the Job Instruction Method	42
The Job Instruction Course	44
TWI Is a Great Launching Point	50
Chapter 4 Prepare the Organization	53
Start at the Beginning	53
Define the Organizational Needs and Objectives	55
Assess the Current Situation	57
Go to the Source for Information	59
Establish the Organization Structure	61
Selecting Trainers	63
Natural Talents Necessary to Be an Effective Trainer	65
Fundamental Skills and Abilities That Are Learnable	68
Selection Process	71
Making Development Plans for All Employees	72
Development for Personal Achievement	74
The Talent Development Process.	77
Development Is a Long-Term Commitment	81
Part Two Identify Critical Knowledge	83
Chapter 5 Begin at a High Level to Understand Skill Requirements of the Job	85
Start with the Broad View	85
Are Service and Technical Jobs Completely Different from Manufacturing Jobs?	86
A Framework for Classifying Jobs	88
A Note on Standardization in Mechanistic versus Organic Organizations	93
Developing Exceptional People in Different Types of Jobs	95
Move from Broad Classifications to Specific Skill Requirements	99
Begin with Simple Tasks	107

Chapter 6	Standardized Work and the Job Instruction Method	109
	Build a Foundation for Effective Training	109
	Standardized Work Is Part of an Overall System	110
	TWI and the Roots of Standardized Work	111
	Standardized Work Applies in All Companies	112
	Mindless Conformity or Intentional Mindfulness?	113
	Standardized Work Is a Prerequisite for Training, and Job	
	Instruction Is a Prerequisite for Standardized Work	116
	Standardized Work as a Process and a Tool	119
	Think Like a Rice Farmer	123
Chapter 7	Analyzing Routine Work and Ancillary Tasks	125
	Analyzing Routine Work	125
	How to Approach Nonroutine and Ancillary Tasks	129
	Analyzing a Complex Job from the Health Care Field	134
	Evaluate the Entire Process	141
	Determine What Items Are Critical and Ensure	
	They Are Performed Flawlessly	142
	Success Is in the Details	147
Chapter 8	Breaking a Job Down into Pieces for Teaching	149
	Breaking Down the Job for Training Is Different	149
	Slice and Dice the Task into Small Details	150
	A Job Breakdown Requires Careful Reflection	152
	Present No More Than Can Be Mastered at One Time	154
	Determine How the Job Will Be Presented	155
	Breaking Down the Job—Part One	158
	Identify Major Steps	158
	Major Steps Are Important, but, Key Points Are Critical	161
Chapter 9	Identify Key Points and Reasons	163
	Breaking Down the Job—Part Two	163
	Effective Identification of Key Points Is Critical	164
	Confirm the Reasons for the Key Points	173
	Beware of Urban Legends	174
	Key Points Are Key	174

Chapter 10 Job Breakdown Examples	177
Putting It All Together	177
The Job Breakdown Sheet for Bumper Molding	178
Job Breakdown Examples for Nonrepeating Core Tasks	182
Nonrepeating Core Task Example from Health Care	183
Correcting Common Job Breakdown Errors	188
Is It Possible to Standardize Complex Engineering Tasks?	196
Job Breakdown: The Critical Step	201

Part Three Transfer Knowledge to Others 203

Chapter 11 Prepare for Training	205
The Job Instruction Method Requires Thorough Preparation	205
Creating a Multifunction Worker Training Plan	207
Developing a Training Plan for Other Types of Jobs:	
Lean Facilitator Example	215
Set Behavioral Expectations from the Beginning	217
Develop Related Job Skills to Broaden Capability	220
Prepare the Work Area	221
Fortune Favors the Prepared	222
Chapter 12 Present the Operation: The Training Session	225
Are We There Yet?	225
Prepare the Student	226
Present the Operation: Tell, Show, and Demonstrate the Job	235
Clearly Explain the Key Points	236
Repeat the Job Again While Explaining the Reasons for the Key Points	240
Do Your Best	242
Chapter 13 Try Out Performance	245
An Opportunity for Reflection	245
Keen Observation Is Required	246
Instant Feedback	246
Student Performs the Task without Verbalizing Any Information	247
Student Performs the Task While Repeating the Major Steps	249
Student Performs the Task While Repeating the Major Steps and Key Points	252

Verify Understanding of the Reasons for Key Points	253
Correct Errors Immediately to Prevent Bad Habits	254
Assess Capability	255
Give Students Responsibility, but Keep an Eye on Them	256
Chapter 14 Handling Challenging Training Situations	257
No One Said It Was Going to Be Easy	257
Training at Line Speed	262
Teaching Longer or Complex Jobs	263
Training When Time Is Limited	265
Jobs That Require Special Skills and Techniques	266
Training When Oral Communication Is Limited	268
Teaching Visual Tasks	269
How to Develop Judgment Ability and On-the-Job Knowledge	275
How to Teach Tasks Performed Infrequently	278
Using Training Aids	279
There Are Many Challenging Situations	280
Part Four Verify Learning and Success	281
Chapter 15 Follow Up to Verify Learning and Ensure Success	283
Moving the Student Toward Self-Reliance	283
The Trainer Is Always Responsible	284
Always Support the Student	284
Explain Who to Call for Help	285
Check Progress Frequently	285
Encourage Questions	287
Gradually Reduce the Coaching and Follow-Up	287
Use the Cascade Audit Method to Ensure Success of the Process	288
Learning Systems Are Not Self-Sustaining	294
Chapter 16 Organizational Follow-Up	295
Now Please Try, and—Do Your Best	295
Developing Resources by Going Deep and Then Wide	296
Structure for Implementation	299

Implementation Milestones	302
How to Approach Talent Development for Nonroutine Jobs: An Engineering Example	307
Can JI Training Be Successful in a Nonlean Organization?	313
All Leaders Have Responsibility for Developing Others	315
Using Layered Audits to Confirm Effectiveness	317
Spreading the Process	318
Index	321