

CONTENTS

List of Figures xiii

The Challenging Learning Story xv

Foreword xvii

John Hattie

Preface xx

Acknowledgements xxi

About the Author xxiii

The Language of Learning xxiv

Chapter 1: Introduction to the Learning Challenge 1

1.0 • Preview 1

1.1 • Introduction 2

1.2 • The Learning Challenge: A Quick Guide 4

1.3 • Underpinning Values 7

1.4 • A Pit Is Central to the Learning Challenge 16

1.5 • Review 17

Chapter 2: The Learning Challenge in Practice 19

2.0 • Preview 19

2.1 • Stage 1: Concept 20

2.2 • Stage 2: Conflict 23

2.3 • Stage 3: Construct 25

2.4 • Stage 4: Consider 29

2.5 • When, Where, How? 29

2.6 • Review 31

Chapter 3: The Learning Challenge Culture 33

- 3.0 • Preview 33
- 3.1 • The Facilitator's Role 34
- 3.2 • Trust and Respect 36
- 3.3 • Learning How to Learn 37
- 3.4 • Ground Rules 39
- 3.5 • Learning Challenge Virtues 40
- 3.6 • Review 43

Chapter 4: Concepts 45

- 4.0 • Preview 45
- 4.1 • The Role of Concepts 46
- 4.2 • Identifying Concepts 47
- 4.3 • Drawing Out Concepts 54
- 4.4 • Creating Questions 59
- 4.5 • Selecting the Best Question 69
- 4.6 • Sharing First Thoughts 70
- 4.7 • Review 73

Chapter 5: Cognitive Conflict 75

- 5.0 • Preview 75
- 5.1 • What Is Cognitive Conflict? 75
- 5.2 • Why Is Cognitive Conflict a Good Thing? 77
- 5.3 • Creating Cognitive Conflict 81
- 5.4 • Creating Cognitive Conflict Through Dialogue 81
- 5.5 • Creating Cognitive Conflict With Comparisons 91
- 5.6 • Creating Cognitive Conflict in Context 93
- 5.7 • Creating Cognitive Conflict With Questions 99
- 5.8 • Review 103

Chapter 6: Construct Meaning 105

- 6.0 • Preview 105
- 6.1 • Constructing Meaning 106
- 6.2 • Using Dialogue to Construct Meaning 107
- 6.3 • Top Ten Pit Tools 110
- 6.4 • Types of Thinking in the Pit 130
- 6.5 • Eureka! 134
- 6.6 • Review 135

Chapter 7: Consider Your Learning 137

- 7.0 • Preview 137
- 7.1 • Metacognition 138
- 7.2 • Review Questions 139
- 7.3 • The ASK Model 142
- 7.4 • Review 147

Chapter 8: Mindset Matters 149

- 8.0 • Preview 149
- 8.1 • The Learning Challenge Mindset 149
- 8.2 • Self-Efficacy 151
- 8.3 • Praise and the Pit 154
- 8.4 • Review 157

Chapter 9: Links and Perspectives 159

- 9.0 • Preview 159
- 9.1 • The SOLO Taxonomy 160
- 9.2 • Philosophy for Children and the Learning Challenge 166
- 9.3 • Considerations for Students With Special Educational Needs 167
- 9.4 • Leading the Learning Challenge in Your School 176
- 9.5 • Learning Challenge Resources 188
- 9.6 • Review 189

Chapter 10: The Learning Challenge in Action 191

- 10.0 • Preview 191
- 10.1 • Colour 191
- 10.2 • Drugs 195
- 10.3 • Killing 199
- 10.4 • Pets 203
- 10.5 • Social Networking 208
- 10.6 • Proof and Evidence 212
- 10.7 • Risk 216

Appendix 223

Index of Concepts 239

References 241

Index 244
