

# Contents

Preface . . . . . x

Introduction . . . . . xii

## CHAPTER 1

### **The Differentiation Challenge 1**

Understanding Diverse Learners . . . . . 2

Variation in Readiness, Life, and Needs . . . . . 4

The Differences Are Similar Everywhere . . . . . 7

Differentiation vs. Personalization: Key Differences . . . . . 8

Barriers to Differentiation and the Impact  
on Teacher Well-Being . . . . . 11

## CHAPTER 2

### **Building Empathy into Instruction 15**

Empathy as a Guiding Principle . . . . . 16

Examples of Empathy-Driven Differentiation . . . . . 17

Empathy in Action: What Teachers Notice,  
What Teachers Do . . . . . 19

How Differentiation Impacts Teacher and  
Student Engagement . . . . . 20

## CHAPTER 3

### **Foundations that Support Differentiation 23**

Tomlinson's Framework Meets AI . . . . . 26

Creating High-Quality Curriculum with AI . . . . . 29

Cutting Through Clutter and Balancing Needs . . . . . 30

A Brainstorming Partner . . . . . 31

You're Still the Decision-Maker . . . . . 33

Using AI for Formative Assessment . . . . .	33
Fresh Questions, More Confidence . . . . .	34
Analyzing Patterns and Gaps . . . . .	35

**CHAPTER 4**

**Partnering with AI for Differentiation 37**

Demystifying AI for Educators . . . . .	38
What AI Is and Why It Matters for Educators . . . . .	38
How AI Works and Where It Can Go Wrong . . . . .	39
Using AI Responsibly: What Teachers Should Know . . . . .	41
The Teacher’s Toolkit . . . . .	45
<b>A Mindset Shift, Not a Tech Makeover . . . . .</b>	<b>48</b>
Rethinking What Support Looks Like . . . . .	48
Starting Small . . . . .	48
Sustainability and Professional Growth . . . . .	50

**CHAPTER 5**

**Planning for Differentiation with AI 53**

Writing Effective Prompts . . . . .	54
Clarity + Specificity = Efficiency . . . . .	55
Role, Context, Task, Format . . . . .	56
Identifying Gaps in Instruction . . . . .	58
Prompting for Differentiation . . . . .	61
On-the-Spot Differentiation . . . . .	66
Real-Time Strategies Using AI Tools . . . . .	67
Classroom Scenarios that Showcase Adaptability . . . . .	70
Quality and Ethics Checkpoints . . . . .	72
Accuracy . . . . .	72
Representation . . . . .	73





Accessibility . . . . . 73  
Privacy . . . . . 73  
Rigor . . . . . 74

**CHAPTER 6**  
**Differentiation in Action** **75**

**High School and College Discussion Makeover with AI . . . . . 76**  
Refining Toward the Goal . . . . . 77  
Time Gained for Reflection and Enrichment . . . . . 79  
Rethinking, Refreshing, and Personalizing  
the Familiar . . . . . 80  
**Early Adoption in Middle School Math . . . . . 80**  
Valuable Planning Partner . . . . . 81  
Refining for Rigor in Collaborative Practice . . . . . 82  
Tips from the Field . . . . . 84  
**Differentiating Practice in Elementary School . . . . . 85**  
Using AI to Generate More Possibilities During Planning . . . . . 85  
Refining for Rigor and Preparing Assessments . . . . . 86  
**Planning for Diverse Learners in Spanish Class . . . . . 88**  
Creating a Menu of Supports . . . . . 88  
Trying It Multiple Ways . . . . . 90  
**Refining, Adapting, and Responding . . . . . 91**

**CHAPTER 7**  
**Moving Forward** **93**

**The Future of AI and Differentiation . . . . . 94**  
**Reinforcing Empathy and Professional Judgment  
at the Center . . . . . 96**  
**Looking Ahead to Evolving AI Tools and Sustainable  
Differentiation . . . . . 97**  
**The Companion Site: A Living Resource for Teachers . . . . . 97**  
**A Final Word from the Classroom . . . . . 98**

APPENDIX A

**The Prompting Guide for  
Differentiation**

101

APPENDIX B

**Planning Tools and Templates**

111

APPENDIX C

**Ethical AI in Education**

115

ix

APPENDIX D

**Resources and Companion  
Website Guide**

119

**Glossary**

123

**References**

126

**Index**

129

