Contents

Part I  Theoretical and Historical Foundations

1  Intuitions All Around Us ................................................................. 3
   David Hung and Lyna

2  On the Nature of Disciplinary Intuitions ........................................ 17
   Michael Tan and Kenneth Y.T. Lim

3  Learning Through Intuition in Early China ................................. 33
   Ming De Yuen

4  Applying Disciplinary Intuitions to Classroom Contexts:
   A Constructivist Perspective ....................................................... 41
   Michelle Tan

Part II  Delving into Disciplines

5  Developing Disciplinary Intuitions in the Natural Sciences .......... 55
   Michael Tan and Michelle Tan

6  The Nature of Intuition in Design .................................................. 65
   Mohamed Suffian Bin Mohamed Amin

7  From Seasons to Cisterns: The Nature
   of Geographical Intuition ......................................................... 75
   Kenneth Y.T. Lim

8  Second Language Intuition: Native Language
   and Linguistic Universals ............................................................ 95
   Bin Yin

9  Manifestations of Intuitions in the English Language .................. 109
   Anselm Premkumar Paul
10 Disciplinary Intuitions in the English Language Classroom: Implications for Practice .................................................. 131
Anselm Premkumar Paul

11 Surfacing Intuitions Through Visual Novels ........................................ 145
Richard Lee and Gabriel Chia

12 Mathematical Intuition and Storytelling for Meaningful Learning .......................................................... 155
Young Hoan Cho and Seo Yon Hong

Part III  Coda

13 Disciplinary Intuition as Praxis: The Role of Intuition in Social Education .......................................................... 171
Mark Baildon

14 Misconceptions, Intuitions and Elementary Physics: Harnessing Everyday Understanding in Learning Environment Design .................................................. 185
Christine Howe

Index .................................................................................................................. 199