

# CONTENTS

<i>List of Figures</i>	vii
<i>List of Tables</i>	viii
<i>About the authors</i>	ix
<i>Acknowledgements</i>	xi
<i>Introduction</i>	xii

## **PART I** **1**

1 Introducing creative science	3
2 Misconceptions and enabling conceptual change in science	14
3 Pedagogical approaches and the teaching of science	28
4 The importance of teacher knowledge in science	42
5 Planning and assessing creative approaches in science	54
6 Working scientifically	66
7 Getting creative with technology in science	77

## **PART II** **87**

8 Art and design and creative science	89
9 Creative science through drama and storytelling	99

10 Sustainability and primary science	112
11 Teaching science outside the classroom	126
12 The science of health and wellbeing	138
13 Teaching controversial issues in science	149
14 A science of equality	160
<i>Index</i>	172