

JES



ROLE MODELS

**A scientist just
like me**

CRITICAL THINKING

**'What if...'
scenarios**

Contents

- 04** **Contributions**
Editorial
- 05** **Research Review**
Diagnostic assessment: The BEST way to discover what children are really thinking about materials
Helen Harden and Nicky Waller
- 15** **Original Research**
Assessing the impact of an enquiry-based learning intervention on primary school students' conceptions about microorganisms
Ana Leonardo and Bento Cavadas
- 34** **Original Research**
Exploring teachers' beliefs, inquiry pedagogy and pupil agency in practical inquiry-based science
Sally Howard
- 44** **Practitioner Perspective**
Equity, Diversity and Inclusion – Needing 'to see it to be it' is an over-simplification
Kulvinder Kaur Johal
- 52** **Practitioner Perspective**
Fostering critical thinking in primary science through 'What if...' scenarios
Layla Hewitt
- 60** **PSTT news**
Develop a deeper understanding of Enquiry Skills
- 61** **Regular**
Contributing to JES
- 63** **Regular**
About ASE

