

Contents

Cognitive science and curricular planning

- 6 Understanding the human mind a foundation for self-regulated study

 Jonathan Firth
- 10 Cognitive load theory and the design of ITT curricula

 Douglas Fairfield and

 Jenny Griffiths
- 14 'But how and why does it "work"?'
 A primary school study into the impact of metacognitive strategies on disadvantaged learners
 Kathryn Atkins and
 Jonathan Doherty
- 17 The utility of distributed practice in curriculum design and effective learning strategies Lewis A Baker
- 21 Sequencing knowledge within a science curriculum

 Adam Stubbs
- 24 Creating a physics teaching sequence with cognitive load theory in mind
 Fabio Di Salvo
- 26 How memory actually works is how curriculum should work

 Juan G Fernandez

Curriculum design

- 30 Small schools with big ideas a connected curriculum model

 Aimée Tinkler and Jacqueline Bone
- 32 Redrawing the cross-curricular map: An interdisciplinary approach to curriculum design across the humanities

Andrew Coventon

- 36 Curriculum planning in discrete subjects: What are we missing?

 Charlie Cutler and Tanya Hughes
- 39 How are schools adopting pedagogies of play in Key Stage
 1? Findings from research into practices of play at the transition and beyond
 Polly Crowther, Victoria Blake and Rebecca Webster
- 43 Living and learning inside the story: How storytelling can shape curriculum design

 Alex Beauchamp
- 46 Smarter by nature: Does research suggest that young brains can be nurtured by nature? If so, why hasn't this influenced school curriculum and pedagogy?

 Gemma Goldenberg
- 50 Teachers' use of the Curriculum
 Design Coherence Model in the
 primary school
 Diane Swift and Richard Pountney

Knowledge, content and approaches

- 53 Challenging, decolonising and transforming primary school history curriculum knowledge Marlon Lee Moncrieffe
- 56 Multidirectional narratives:
 Diversifying the English and history
 curriculums
 Shilpa Darbar and Alexandra
 Greenfield
- 59 A curriculum masterclass: Inspired by lessons we have learned from mathematics Rebekah Gear

- 62 Valuing the arts in the curriculum and beyond
 Carolyn Bradley
- 65 Integrating the local context into the curriculum to support students with the transition from 'Understanding the World' in the EYFS to history in Key Stage 1 Verity Downing and Stuart Boydell

Implementation, leadership and professional development

- 69 Curriculum leadership: Responding to the challenges of COVID-19 Chloe Wardle and Josh Cardale
- 72 The role of implementation quality in curriculum success

 Jon Eaton
- 74 Developing an inclusive curriculum: What can we learn from teachers' inclusive pedagogy? Eddy Li
- 76 Tackling disadvantage: Embedding change within Early Years settings, through high-quality professional development and sharing of knowledge through a cascade framework

 Lyn Challender
- 78 One in every classroom: Does colour vision deficiency affect our learners?

 Caroline Atkins

