

## CURRICULUM VITAE

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**Name** Jane Johnston MPhil., B.Ed, DPSE, CSciTeach



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### Current role

*Reader in Education*  
*Academic Coordinator, MA in Education*  
Bishop Grosseteste University College  
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### Wider professional responsibilities

- Elected member and secretary to the Research Committee of the Association for Science Education
- Chartered Science Teacher
- Member of the British Association for the Advancement of Science
- Member of the British Educational Research Association
- Member of the European Science Education Research Association
- Fellow of the Higher Education Academy

### Research interests

- Early years and primary education and development (particularly cognition, the development of attitudes, the development of skills, pedagogical approaches and philosophical underpinnings)
- Early years and primary science development and education (particularly birth to 8 years of age, termed emergent science)
- The development of study skills in HE

### Recent publications (since 2000)

#### **Books**

- Johnston J, Chater M & Bell D (eds) (2002) *Teaching the Primary Curriculum*  
Buckingham: Open University Press
- Johnston, J. & Herridge, D. (2004) *Heinemann Explore Science for Reception* Oxford:  
Heinemann
- Johnston, J. (2005) *Early Explorations in Science 2<sup>nd</sup> Edition* Maidenhead: Open  
University Press

Johnston, J., Halocha, J. & Chater, M. (2007) *Developing Teaching Skills in the Primary School* Maidenhead: Open University Press

Johnston, J. & Nahmad-Williams, L. (2008) *Early Childhood Studies* Harlow: Pearsons

### **Book chapters/chapter equivalents**

Johnston, J. (2000) Making Sense of the National Criteria in de Bóo M (ed) *Laying the Foundations in the Early Years*. Hatfield: ASE pp. 7-14

Bricheno, P., Johnston, J. & Sears, J. (2000) Children's Attitudes to Science in Sears J & Sorensen P (ed) *Issues in the Teaching of Science*. London: Routledge pp. 143 - 153

Johnston, J. (2004) Chapter in de Bóo M (2004) *The Curriculum Partnership: Early Years Handbook* Sheffield: Geography Association pp.44-47

Johnston, J. (2005) chapter 'What is Creativity in Science Education' in Wilson, A. *Creativity in Primary Education* Exeter: Learning Matters pp.88-101

Johnston, J. (2009) chapter 'What is Creativity in Science Education' in Wilson, A. *Creativity in Primary Education 2<sup>nd</sup> Edition*\_ Exeter: Learning Matters

Johnston, J. (2009) chapter 'Science at Key Stage 1.' In Bruce, T. (2009) *Early Childhood 2<sup>nd</sup> Edition*. London: Sage

### **Journal articles, papers and conference proceedings (peer-reviewed)**

Johnston, J. & Crowther, P. (2000) Developing Reflective Practice: East meets West in Sormunen, K. M., Tarasov, V. A. & Bogdanov, S. R. (eds) *Learning and Teaching Science and Mathematics in Secondary and Higher Education. Proceedings of the 5<sup>th</sup> Inter-Karelian Conference, Petrozavodsk, Russia 17<sup>th</sup>-19<sup>th</sup> May 2000* Joensuu: Joensuu University Press pp.7-11

Johnston, J. (2003) 'Imaginative Early Science' in *Primary Science Review* 78 pp. 24-25

Johnston, J. (2003) 'The Importance of Language in Scientific Understanding' in *Education Today* Vol. 53 No.3 pp. 42-44

Johnston, J. (2004) The Value of Exploration and Discovery in *Primary Science Review* 85: pp. 21-23

Ahtee, M. & Johnston, J (2006) 'Primary Student Teachers' Ideas About Teaching A Physics Topic' *Scandinavian Journal of Educational Research*\_ Vol. 50. No. 2 pp. 1-

Johnston, J. & Ahtee, M. (2006) 'What are Primary Student Teachers' Attitudes, Subject Knowledge and Pedagogical Content Knowledge Needs in a Physics Topic?' *Teaching and Teacher Education* Vol. 22. No. 4 pp. 1-10

Johnston, J. (2007) 'Creative Science?', *Teaching, Thinking and Creativity* No. 22 27<sup>th</sup> March 2007 [www.teachingtimeslibrary.co.uk](http://www.teachingtimeslibrary.co.uk)

Johnston, J (2007) 'How does the Skill of Observation Develop in Young Children, in Venville, G. & Dawson, V. (2007) *Proceedings of CONASTA 56 and ICASE 2007 World Conference on Science and Technology Education*. Sustainable, Responsible, Global\_ Perth, Australia: Science Teachers' Association of Western Australia [www.worldste2007.asn.au](http://www.worldste2007.asn.au)

Johnston, J. (2008) 'Emergent Science' *Education in Science*, No.227 April 2008 pp.26-28

Johnston, J. & Dale Tunnicliffe, S. (2008) 'The Emergent Science Electronic Network' *Research Intelligence* June 2008 Issue 103 p26

Johnston, J. (2008) 'Observation as an Important Enquiry Skill' *Primary Science Review*. 109 pp15-18

***Awaiting publication***

'How does the Skill of Observation Develop in Young Children', *International Journal of Science Education*

***Papers and conference proceedings (non-peer-reviewed)***

Johnston J & Crowther P (2000) 'Some teaching and learning development resulting from overseas work'. *Science Teacher Education* 28

Johnston, J. (2001) Supplement on 'Observation' in *Early Years Educator* pp. i-viii

Johnston, J. (2002) Supplement on 'Making Sense of the World' in *Early Years Educator* June 2002 pp. i-viii

***Book Review articles***

Johnston, J. (2002) Review on 'Organising Learning in the Primary Classroom 3<sup>rd</sup> Edition' by J. Dean London: Routledge Falmer 2002 in *Education Today* Vol. 52 (3)

Johnston, J. (2003) Review on 'Helping Teachers Develop through Classroom Observation (2<sup>nd</sup> Edition) by D. Montgomery London: David Fulton 2002 in *Education Today* Vol. 53 (3)