

Ralph Levinson

PUBLICATIONS

Books

In preparation

Levinson, R. (proposal accepted by IoE publications, Bedford Way papers, due for publication September 2011) *Science, society and schools, London: Bedford Way Papers*

In print

Levinson, R., Nicholson, H. and Parry, S. (eds.) (2008) *Creative Encounters: new conversations in science, education and the arts*, London: The Wellcome Trust

Levinson R and Reiss M (eds) (2003) *Key issues in bioethics*, London and New York, RoutledgeFalmer

Levinson, R (2001) *More modern chemical techniques*, London: Royal Society of Chemistry

Levinson, R. and Thomas, J. (eds) (1997) *Science today: problem or crisis?* London: Routledge

Levinson, R. (ed.). (1994) *Teaching science*, London: Routledge

Atlay, M., Bennett, S., Dutch, S., Levinson, R., Taylor, P. and West, D. (eds.) (1992) *Open Chemistry*, London: Hodder & Stoughton.

(Three books in Bath Science Series textbooks, 1990)

(Five popular science books for children, 1982-87, one of which won the publishers' Earthworm award)

Articles in edited books

Levinson, R. (2010) How Science Works: teaching controversial issues in R.Toplis (ed.) *How Science Works*, pp 56-70 London: Routledge

Levinson, R, (2010) Planning for progression in science, in Frost, J.(ed.), *Learning to Teach Science in the Secondary School, 3rd edition* London: Routledge, pp 118 – 130

Frost, J. and Levinson, R. (2010) Beyond qualified teacher status, in Frost, J.(ed.), *Learning to Teach Science in the Secondary School, 3rd edition* London: Routledge, pp 285 - 290

Levinson, R. (2009) Genomics and teaching of risk in D.J. Boerwinkel and A.J. Waarlo (eds) *Rethinking science curricula in the genomics era, Proceedings of the Invitational Workshop, Freudenthal Institute for Science and Mathematics Education, Utrecht University, The Netherlands* (CD-β Press, Flsme-series on Research in Science Education, No. 62), pp 72 -77

Levinson, R., Nicholson, H. and Parry, S. (2008) Creative encounters: an introduction, in R. Levinson, H. Nicholson and S. Parry (eds.) *Creative encounters: new conversations in science, education and the arts*, London: The Wellcome Trust, pp 4 – 23

Levinson, R. (2008) Introducing narrative, in R. Levinson, H. Nicholson and S. Parry (eds.) *Creative encounters: new conversations in science, education and the arts*, London: The Wellcome Trust, pp 134 – 137

Levinson, R., Nicholson, H. and Parry, S. (2008) Conclusions, in R. Levinson, H. Nicholson and S. Parry (eds.) *Creative encounters: new conversations in science, education and the arts*, London: The Wellcome Trust, pp194 - 199

Levinson, R. (2007) Teaching controversial socio-scientific issues to gifted and talented students in K.Taber (ed) *Science Education for Gifted Learners*, London: RoutledgeFalmer, pp 128-141.

Levinson, R. (2005) Planning for progression in science in Jenny Frost and Tony Turner (eds), *Learning to Teach Science in the Secondary School*, London: RoutledgeFalmer, pp 93-106

Levinson, R. (2005) Science for Citizenship in Jenny Frost and Tony Turner (eds), *Learning to Teach Science in the Secondary School*, London: RoutledgeFalmer, pp 251 – 269

Levinson, R. (2005) Beyond Qualified Teacher Status: Becoming a Professional Teacher in Jenny Frost and Tony Turner (eds), *Learning to Teach Science in the Secondary School*, London: RoutledgeFalmer, pp 282 – 295

Levinson R and Reiss M (2003) Issues and Scenarios in Levinson R and Reiss M (eds) (2003) *Key issues in bioethics*, London and New York, Routledge Falmer, pp 3-13

Levinson R (2003) Teaching bioethics to young people in Levinson R and Reiss M (eds) (2003) *Key issues in bioethics*, London and New York, Routledge Falmer, pp 25-38

Levinson R, Douglas A, Evans J, Kirton A, Koulouris, P, Turner S, Finegold , P (2000) 'Constraints on Teaching the Social and Ethical issues arising from Developments in Biomedical Research' in Cross R and Fensham P (eds) *Science for the Citizen*, Melbourne Studies in Education: Melbourne, pp 107-120

Levinson, R. and Thomas, J. (1997) Science, people and schools: an intrinsic conflict? In Levinson, R. and Thomas, J. (eds) *Science today, problem of crisis*, London: Routledge

Dutch, S., Levinson, R. and West, D. (1992) The principles and practice of assessment in the teaching and learning of chemistry in in Atlay, M., Bennett, S., Dutch, S., Levinson, R., Taylor, P. and West, D. (eds) *Open Chemistry*, London: Hodder & Stoughton, pp 161 -170

Articles

In press

Levinson, R. (2011) Science education from people for people book review, *Studies in Science Education*, 47(1), 107 – 114.

Hand, M. and Levinson, R. (accepted for publication September 2010) Discussing controversial issues in the classroom: some helps and hindrances, *Educational Philosophy and Theory*

Pratt, D., Ainley, J., Kent, P., Levinson, R., Yogui, C. and Kapadia, R. (accepted for publication, August 2010) Informal inferential reasoning as a contextualized risk-based enterprise, *Mathematical Thinking and Learning*

In print

Levinson, R. (2010) Science education and democratic participation: an uneasy congruence? *Studies in Science Education*, 46 (1):69-118

Levinson, R. and Rodd, M. (2009) Pre-service teachers' conceptions of risk: a pilot study, *Revista de Estudos Universitários* 35(2): 85 – 99.

Levinson, R. (2009) The manufacture of aluminium and the rubbish-pickers of Rio: building interlocking narratives, *School Science Review* 90(333) pp 119-124

Levinson, R. and Neumann, T. (2008) Designing a mixed mode Masters module in Science Education to support shared construction of knowledge and critical reflection, *Reflecting Education*, 4 (1) pp 92-102

Levinson, R. (2008) A theory of curricular approaches to the teaching of socio-scientific issues, *Alexandria* 1 (1), pp 133-151

Levinson, R. (2008) Promoting the role of the personal narrative in teaching controversial socio-scientific issues, *Science and Education* 8/9 (17) pp 855 - 872

Levinson R (2006) The use of narrative in supporting the teaching of socio-scientific issues: A study of teachers' reflections, *Interacções* 2 (4), pp 3-23

Levinson, R (2006) Teachers' perceptions of the role of evidence in teaching socio-scientific controversial issues, *The Curriculum Journal* 17(3), pp 247-262

Levinson, R (2006) Towards a theoretical framework for teaching controversial socio-scientific issues, *International Journal of Science Education* 28(10), pp 1201-1224

Levinson R (2004) Breaking down the subject barriers, *Learning Matters*, **16**, Winter 2004, pp 11-12.

Levinson, R. (2004) Teaching bioethics in Science: crossing a bridge too far? *Canadian Journal of Science, Mathematics and Technological Education*, 4(3), pp 353-370

Levinson, R (2002) The science subject mentor, *Science Teacher Education*, **33**, June 2002, pp8-9

Levinson R (2001) As Ciências ou as Humanidades: quem deve ensinar as controvérsias em Ciências? *Proposições*, 12(34), March 2001, pp 62-73.

Levinson R (2001) 'Should controversial issues arising from developments in biomedicine be taught through the humanities rather than science?' *School Science Review*, **82**(300), pp 97-102

Levinson R (2001) 'Genetics and Ethics: Locating an epistemological meeting point', *Ways of Knowing* 1, pp 32-38, University of Brighton

Turner, S., Levinson, R., McLellan-Arnold, B., Stevenson, S., Donkin, A. and Dowler, E. (2000) Healthy Eating in primary schools: an educational perspective from a socially deprived area, *Health Education Journal*, **59** (3), pp 196-210

Levinson R (2000) 'Thinking through Science' *Primary Science Review*, **61**, pp20-22

Hadi-Talab R and Levinson R (2000) 'Rinse-aid and the starch-iodine reaction' *School Science Review*, **81** (297), pp 99-101

Levinson, R. (1999) Let's sup a while, *New Scientist* , 2173, p.52

Levinson, R., Murphy, P. and McCormick, R. (1997) Science and technology concepts in a design and technology project: a pilot study, *Research in Science & Technological Education*, 15 (2), pp. 235 – 255

Levinson, R. (1996) Teaching some home truths, *New Scientist*, 2060, 14th December, 1996

Levinson, R. (1990) Educating with empathy, *New Scientist*, 1732, 1st September 1990

Conference proceedings

Accepted for publication

Levinson, R., Kent, P., Pratt, D., Kapadia, R. and Yogui, C. (2011) Developing a pedagogy of risk in socio-scientific issues, *ERIDOB 2011 Proceedings*

In print

Kapadia, R., Kent, P., Pratt, D., Levinson, R., and Yogui, C. (2010, April). Promoting a cross-curricular pedagogy of risk in mathematics and science classrooms. In Joubert, M. and Andrews, P. (Eds.), *Proceedings of the Seventh British Congress for Mathematics Education (Manchester, UK)*, pages 121 - 128. Published by the [British Society for Research into Learning Mathematics](#) as *Informal Proceedings, Volume 30(1)*.

Levinson R (2002) O professor, o aluno e o livro didático oficial de Ciências: será que deveríamos renunciar ao livro didático? In Marfan, M (ed) *Congresso Brasileiro de Qualidade na Educação (Painéis)* (Volume 2) pp 156-162, Brasília: CIP

Levinson R (2002) Transversalidade e interdisciplinaridade: dificuldades, avanços e possibilidades in Marfan, M (ed) *Congresso Brasileiro de Qualidade na Educação (Simposios)* (Volume 1), pp 73-80, Brasília: CIP

Levinson, R (2002) Teaching Ethical Issues in Science in Bizzo N, Kawasaki CS, Ferracioli L and Leyser da Rosa V (eds) *IOSTE X Symposium Proceedings*, pp 488-497

Levinson, R (2001) 'Ethical implications of the new genetics: a preliminary study of a pedagogical challenge', in Valanides, N (ed) *Science and Technology Education: Preparing Future Citizens Volume 1*, 1st IOSTE Symposium in Southern Europe, pp 62 - 75

Levinson, R (2000) Teaching ethical dilemmas in biotechnology and the biomedical sciences: a perspective from a study of teachers in England and Wales. *Proceedings of the International Symposium 'Bioed 2000'*, Paris, May 2000
<http://www.concord.org/intl/cbe/papers/levinson.html>

Research Reports

Levinson, R (2010) A Research Study of the Rugby School Partnership Philosophy Zone (PZ) Learning Platform (funded by Rugby School/The Wellcome Trust)

Levinson, R., Hand, M. and Amos, R. (2008) *A research study of the Perspectives on Science AS-level course* (funded by UYSEG)

Levinson, R., Frost, J. and Amos, R. (2006) *How do weekly mentor sessions and written lesson feedback support science beginning teachers in explaining complex science concepts?* (TDA funded project)
http://k1.ioe.ac.uk/schools/mst/000MSTWebDev/CMS/doc/Research_into_subject_specific_mentoring_on_the_PGCE_science_course.pdf

Frost, J. in collaboration with Simon, S., Reiss, M., Levinson, R. and Maloney, J. (2003) *Enhancing motivation in science at KS3 in four schools*, Institute of Education Pilot Project Report, for Planet Science www.planet-science.com

Levinson R and Turner S (2001) *Teaching the Social and Ethical Issues in the Curriculum arising from Developments in Biomedical Research*, Final report for The Wellcome Trust on <http://www.wellcome.ac.uk/en/1/miseducon.html>

Levinson R and Turner S (2001) *Valuable Lessons*, London: The Wellcome Trust

Levinson R, Delaney D and Brosnan T (2000) *Mapping of Initiatives that Impact on the Schools Education Sector (14-19)*, Report for The Wellcome Trust

Dowler E, Donkin A, Turner S and Levinson R (2000) *Mapping Access to Healthy Food in Deprived areas: A Pilot Study* Final Report to NHS Executive, N. Thames

Turner, S., Levinson, R. and Desli, D. (1999) *Evaluation of a pilot DNA photocopying workshop* at Techniquet, Cardiff.

Courses

Levinson, R. (1998) Public Perceptions of Chemistry in *Science and the Public*, M.Sc in Science Education (S802), The Open University

Chemistry for Science Teachers, Course Team member (1990-1992), The Open University

Open University PGCE (Science) (1992-1994)

Edited Journal

Levinson, R. and Reiss, M. (2004) Ethics and Science, *School Science Review*, December 2004. (Special Guest Editors)

Editorial Board

International Journal of Science Education

Reflecting Education

Alexandria

Pesquisa em educacao ambiental/Research in Environmental Education Ways of Knowing (2001 - 2002)

Academic Reviewer

Science Education, Science & Education, International Journal of Science Education, International Journal of Educational Research, Teachers & Teaching Education, Journal of Moral Education, Public Understanding of Science, Research in Science and Technological Education, Studies in Science Education, Reflecting Education

Dutch Programme for Educational Research, PROO (2010) "Risk, uncertainty, and participation in decision-making: science education for citizenship"

Other

Ralph Levinson, *The End of Tears*, First prize (£1 000), Bridport short story prize 1993

Ralph Levinson, *Little Snip*, Shortlisted London Short Story Competition 2000
(published in Jewish Quarterly Spring 2001)