

ATTACHMENT 8

Planning in the Secondary School: Support Materials

Publications Supporting Progression

Making sense of secondary science: research into children's ideas Rosalind Driver et al. (1994) London: Routledge ISBN: 0415097657 Pages 1-11

ASE Guide to Secondary Education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0 86357 291 X Pages 175-182; 74-83

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge Falmer 0 415 26082 5 Pages 289-295

Teaching Science in secondary schools A reader Amos S & Boohan R (eds) 2002 Routledge Falmer 0415 26071 X Pages 147-153; 154-163

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3 Pages 16-18; 94

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415 23485 9 Pages 133-142

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages 153-167

Teaching science with ICT Newton LR & Rogers LT 2001 Continuum 08264 5518 2 Pages 143-144

Teaching secondary scientific enquiry Sang D & Wood-Robinson (Eds) 2002 John Murray (publishers) Ltd 07195 8618 6 Pages 4-5

Good practice in science teaching. What research has to say Monk M & Osborne J (Eds) (2000) Open University Press 0335 20391 4 Pages 174-189

Teaching Secondary Science (Second Edition). ROSS K., Lakin L., Callaghan P. (2004) London: David Fulton. 1-84312-144-1 Part II (esp. chapter 6 pages 50-55)

Differentiation

ASE Guide to secondary education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0 86357 291 X Pages 167-174

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge

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Falmer 0 415 26082 5 Pages 269-278

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3
Pages 14, 128-144

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415
23485 9 Pages 154-164, 175-185, 185-195

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages
49, 74, 90, 160-161

Good practice in science teaching. What research has to say. Monk M & Osborne J
(Eds) (2000) Open university Press 0335 20391 4 Pages 174-189

Questioning

ASE Guide to Secondary Education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0
86357 291 X Pages 146-158

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge
Falmer 0 415 26082 5 Pages 5-14, 15-20, 39-52

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3
Pages 6, 88-92, 113-116

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages
53, 61-65, 123

Teaching secondary scientific enquiry Sang D & Wood-Robinson (Eds) 2002 John
Murray (publishers) Ltd 07195 8618 6 Pages 50-55

Learning in science: The implications of children's science Osborne R & Freyburg P

Good practice in science teaching. What research has to say. Monk M & Osborne J
(Eds) (2000) Open university Press 0335 20391 4 Pages 25-40

Formative Assessment

ASE Guide to Secondary Education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0
86357 291 X Pages 138-145

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge
Falmer 0 415 26082 5 Pages 148-165, 279-288

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Teaching science in secondary schools A reader Amos S & Boohan R (eds) 2002
Routledge Falmer 0415 26071 X Pages 201-212

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3
Pages 13

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415
23485 9 Pages 114-132

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages
133, 136, 166

Improving science education: The contribution of research Millar R, Leach J & Osborne
J (Eds) 2000 Open University Press 0335 20645 X Pages 48-61

Good practice in science teaching. What research has to say. Monk M & Osborne J
(Eds) (2000) Open university Press 0335 20391 4 Pages 25-40

Investigations

ASE Guide to Secondary Education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0
86357 291 X Pages 84-91. 92-99

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge
Falmer 0 415 26082 5 Pages 60-70, 238-246

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3
Pages 156-165

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415
23485 9 Pages 60-69, 70-79

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages
124-131

Teaching secondary scientific enquiry Sang D & Wood-Robinson (Eds) 2002 John
Murray (publishers) Ltd 07195 8618 6

Teaching and learning science. Towards a personalised approach Hodson D 1998 Open
University Press 0335 20115 6 Pages 120-123

Good practice in science teaching. What research has to say. Monk M & Osborne J
(Eds) (2000) Open University Press 0335 20391 4 Pages 57-71, 195,

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Everyday Science

ASE Guide to secondary education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0 86357 291 X Pages 109-117

Teaching science in secondary schools A reader Amos S & Boohan R (eds) 2002 Routledge Falmer 0415 26071 X Pages 94-101, 113-128

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415 23485 9 Pages 100-113

Teaching secondary scientific enquiry Sang D & Wood-Robinson (Eds) 2002 John Murray (publishers) Ltd 07195 8618 6

Teaching and learning science. Towards a personalised approach Hodson D 1998 Open University Press 0335 20115 6 Pages 112-126

Good practice in science teaching. What research has to say. Monk M & Osborne J (Eds) (2000) Open university Press 0335 20391 4 Pages 225-240

Chemical education: towards research-based practice Gilbert JK, De Jong O, Justi R, Treagust D & Van Driel JH (Eds) Kluwer Academic Publishers 1402011121 pages 143-164

Equality in Science

ASE Guide to secondary education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0 86357 291 X Pages 42-51, 241-247

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge Falmer 0 415 26082 5 Pages 247-254, 255-268

Teaching science in secondary schools A reader Amos S & Boohan R (eds) 2002 Routledge Falmer 0415 26071 X Pages 102-112, 189-200

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3 Pages 128-144

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415 23485 9 Pages 16-22, 196-208

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages 178-179

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Good practice in science teaching. What research has to say. Monk M & Osborne J (Eds) (2000) Open university Press 0335 20391 4 Pages 174-189

Science and Literacy

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge Falmer 0 415 26082 5 Pages 190-198, 199-210

Teaching science in secondary schools A reader Amos S & Boohan R (eds) 2002 Routledge Falmer 0415 26071 X Pages 164-177

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3 Pages 166-192

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415 23485 9 Pages 89-99

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages 66, 136

Teaching science with ICT Newton LR & Rogers LT 2001 Continuum 08264 5518 2 Pages 63

Teaching secondary scientific enquiry Sang D & Wood-Robinson (Eds) 2002 John Murray (publishers) Ltd 07195 8618 6 Pages 11-15, 87, 106

Teaching and learning science: Towards a personalised approach Hodson D 1998 Open University Press 0335 20115 6 Pages 154-167

Learning in science: The implications of children's science Osborne R & Freyburg P Pages 125 - 135

Improving science education: The contribution of research Millar R, Leach J & Osborne J (Eds) 2000 Open University Press 0335 20645 X Pages 126 - 142

Good practice in science teaching. What research has to say. Monk M & Osborne J (Eds) (2000) Open university Press 0335 20391 4 Pages 88-103

Science and Numeracy

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge Falmer 0 415 26082 5 Pages 139-147

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Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3
Pages 46

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415
23485 9 Pages 80-88

Teaching secondary scientific enquiry Sang D & Wood-Robinson (Eds) 2002 John
Murray (publishers) Ltd 07195 8618 6

ICT and Science

ASE Guide to secondary education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0 86357
291 X Pages 192-200

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge
Falmer 0 415 26082 5 Pages 71-83, 211-228

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3
Pages 10, 95, 195-225

Issues in science teaching Sears J & Sorenson P (Eds) 2000 Routledge Falmer 0415
23485 9 Pages 209-218

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages
66-113

Teaching science with ICT Newton LR & Rogers LT 2001 Continuum 08264 5518 2

Teaching secondary scientific enquiry Sang D & Wood-Robinson (Eds) 2002 John
Murray (publishers) Ltd 07195 8618 6 Pages 10-11

Good practice in science teaching. What research has to say. Monk M & Osborne J
(Eds) (2000) Open university Press 0335 20391 4 Pages 190-208

Resources

ASE Guide to secondary education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0 86357
291 X Pages 234-240

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3
Pages 177-180, 137, 175-176

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Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages 48, 112

Teaching secondary scientific enquiry Sang D & Wood-Robinson (Eds) 2002 John Murray (publishers) Ltd 07195 8618 6

Safety

ASE Guide to secondary education M Ratcliffe (Ed) 1998 Stanley Thornes/ ASE 0 86357 291 X Pages 183-191

Aspects of teaching secondary science Amos S & Boohan R (Eds) 2002 Routledge Falmer 0 415 26082 5 Pages 84-94

Teaching and learning secondary science J Wellington 2000 Routledge 0515 21403 3 Pages 115-117, 155

Reflective teaching of science 11-19 Parkinson J 2002 Continuum 08264 5266 3 Pages 119-122

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