



Introduction

Recent evidence (eg Davis and Florian, 2004)¹ suggests that much of what has traditionally been seen as pedagogy for pupils with special educational needs (SEN) and/or disabilities consists of the approaches used in ordinary teaching, extended or emphasised for particular individuals or groups of pupils.

The pillars of inclusion in the following table represent eight key aspects of planning and teaching that need to be in place to support the learning and achievement of pupils with SEN and/or disabilities. They are derived from research and observations of good practice and cover aspects of practice over which trainees have a significant degree of control. Other aspects of practice, called 'foundations' in the table, are developed over time and with support from others.

Examples of how the pillars may be put into practice are shown in the table and illustrated in the film clips at www.tda.gov.uk/teachers/sen/training_resources/tutors_trainees_nqts/video.aspx Further examples can be found in section 3 of the Training and Development Agency for Schools (TDA) subject booklets: www.tda.gov.uk/teachers/sen/training_resources/pgce_programmes/subjectbooklets.aspx

QTS standards and other TDA resources relevant to the pillars are also indicated in the table. The resources are available online at: www.tda.gov.uk/teachers/sen/training_resources/pgce_programmes/selfstudy.aspx Research references are included and additional references can be found in the TDA subject booklets and self-study tasks.

Davis, P and Florian, L, 2004, Teaching Strategies and Approaches for Pupils with Special Educational Needs: A Scoping Study, DfES Research Report RR516

The pillars of inclusion	Examples in practice	QTS standards	TDA resources	Research references
1 Maintaining an inclusive learning environment	Layout: seating allows all pupils to see/hear the teacher Acoustics: background noise is reduced Use of wall space: resources and displays are accessible and encourage independent use	Q21, Q30, Q31	Subject booklets	DCSF, 2008 Wall et al, 2009
2 Multi-sensory approaches, including ICT	Use of ICT Use of preferred learning approaches, such as auditory or visual Alternative communication, eg symbols Alternative ways of recording	Q10, Q17, Q22, Q23, Q24, Q25	Self-study tasks 5, 12, 13 Subject booklets	James and Pollard, 2009 Abbott, 2007
3 Working with additional adults	Other adults as partners not teachers Commitment to pupil independence Joint planning and review	Q4, Q5, Q6, Q20, Q32, Q33	Self-study task 16	Blatchford et al, 2009b
4 Managing peer relationships	Flexible grouping Buddying/peer tutoring Circles of friends	Q1, Q4, Q10, Q25d, Q27, Q28	Self-study tasks 9 and 10	Dunne et al, 2007 Howe and Mercer, 2009 Ireson and Hallam, 2009 TLRP, 2005
5 Adult-pupil communication	Language used is positive and respectful Careful praise/correction Prepared questions for individuals/ groups Use of preferred communication style Giving time to think	Q4, Q6, Q14, Q25c, Q25d, Q29	Self-study tasks 9 and 10	Rowe and Topping, 2008 Blatchford et al, 2009 James and Pollard, 2009 (pages 12–14)

The pillars of inclusion	Examples in practice	QTS standards	TDA resources	Research references
6 Formative assessment/ assessment for learning	Choice of objectives/success criteria/ peer assessment Expectations/challenge Communication issues	Q1, Q12, Q13, Q18, Q19, Q25b, Q25e, Q26, Q27, Q28, Q29	Self-study task 10	TLRP, 2008 Pryor and Crossouard, 2008 Black et al, 2003
7 Motivation	Engagement/enjoyment Rewards/praise Including pupil strengths/interests Relevant contexts Encouraging learning from mistakes Use of ICT for 'fun' 'Can-do' ethos: readiness to 'problem solve'	Q1, Q2, Q10, Q17, Q18, Q19, Q23, Q25, Q27, Q28, Q31	Self-study tasks 9 and 10	Dunne et al, 2007
8 Memory/ consolidation	Developing use of range of memory aids Helping pupils devise their own strategies for remembering	Q24, Q25b, Q28, Q29	Self-study task 8	Gathercole, 2008 Holmes et al, 2009
Foundations These aspects develop over time with support from other colleagues and agencies	Partnerships with pupils and parents/carers Planning ways to remove specific barriers to learning and participation Learning from advice from colleagues in school and other professionals and from formative and summative assessments Developing own record keeping/ using access to school records Developing understanding of how the subject/curriculum area can help to remove barriers for pupils with SEN and/or disabilities	Q4, Q5, Q6, Q18 Q10, Q18 Q19, Q22, Q25 Q7, Q8, Q9, Q11, Q12, Q13, Q20 Q13 Q14, Q15, Q19	Self-study task 17 Self-study tasks 6, 7, 9, 10 Self-study tasks 3, 5, 8, 11, 12, 13, 14, 15, 16, 17	

References

Abbott, C, 2007, E-inclusion: Learning Difficulties and Digital Technologies, Report 15 www.futurelab.org.uk

Black, P, Harrison, C, Lee, C, Marshall, B and Wiliam, D, 2003, Assessment for Learning: Putting it into practice, Open University Press, Maidenhead

Blatchford, P, Hallam, S, Ireson, J, Kutnick, P and Creech, A, 2009, Classes, Groups and Transitions, in Children, their World, their Education: Final report and recommendations of the Cambridge Primary Review, University of Cambridge Faculty of Education, Cambridge

Blatchford, P, Bassett, P, Brown, P, Koutsoubou, M, Martin, C, Russell, A and Webster, R, 2009b, Deployment and Impact of Support Staff in Schools: The impact of support staff in schools (results from strand 2, wave 2), Research Report DCSF-RR148, DCSF, London

Daniels, H and Porter, J, 2009, Learning needs and difficulties among children of primary school age: definition, identification, provision and issues, in Children, their World, their Education: Final report and recommendations of the Cambridge Primary Review, University of Cambridge Faculty of Education, Cambridge

Davis, P and Florian, L, 2004, Teaching Strategies and Approaches for Pupils with Special Educational Needs: A Scoping Study, Research Report 516, DfES, London

DCSF, 2008, Designing for Disabled Children and Children with Special Educational Needs: Design Guidance for Mainstream and Special Schools, Building Bulletin 102

Dockrell, J, Peacey, N and Lunt, I, 2002, Literature Review: Meeting the Needs of Pupils with Special Educational Needs, Institute of Education, London

Dunne, M, Humphreys, S, Sebba, J, Dyson, A, Gallannaugh, F and Muijs, D, 2007, Effective Teaching and Learning for Pupils in Low Attaining Groups, DCSF-RR011, DCSF, London

European Agency for Development in Special Needs Education, 2008, Assessment for Learning and Pupils with Special Educational Needs

www.european-agency.org/publications/flyers/assessment-materials/assessment-for-learning

Gathercole, S, Working Memory in the Classroom, Presidents' Award Lecture at the Annual Conference of the British Psychological Society, The Psychologist, 21(5), 2008, pages 382–385 www.thepsychologist.org.uk

Holmes, J, Gathercole, S and Dunning, D, Adaptive training leads to sustained enhancement of poor working memory in children, Developmental Science, 12(4), 2009, pages 9–15

Howe, C and Mercer, N, 2009, Children's social development, peer interaction and classroom learning, in Children, their World, their Education: Final report and recommendations of the Cambridge Primary Review, University of Cambridge Faculty of Education, Cambridge

Ireson, J and Hallam, S, Academic self-concepts in adolescence: Relations with achievement and ability grouping in schools, Learning and Instruction, 19(3), 2009, pages 201–213

James, M and Pollard, A, Learning and teaching in primary schools: insights from TLRP, Primary Review Research Survey, 2(4), 2009, University of Cambridge Faculty of Education, Cambridge

Norwich, B and Lewis, A, How specialized is teaching children with disabilities and difficulties?, Journal of Curriculum Studies, 39(2), 2007, pages 127–150

Pryor, J and Crossouard, B, A Socio-cultural Theorisation of Formative Assessment, Oxford Review of Education, 34(1), 2008, pages 1–20

Rix, J, Hall, K, Nind, M, Sheehy, K and Wearmouth, J, What pedagogical approaches can effectively include children with special educational needs in mainstream classrooms? A systematic literature review, Support for Learning: British Journal of Learning Support, 24(2), 2009, pages 86–94

Rowe, K and Topping, C, 2008, Developing Spoken Communication Skills in Secondary-aged Children, Final project summary report (unpublished)

TLRP, 2005, Improving Pupil Group Work in Classrooms: A New Approach to Increasing Engagement and Learning in Everyday Classroom Settings at Key Stages 1, 2 and 3, Research briefing no 11, Institute of Education, London

TLRP, 2008, Consulting Pupils on the Assessment of their Learning, Research briefing no 36, Institute of Education, London

Wall, K, Dockrell, J and Peacey, N, 2009, Primary education: the physical environment, in Children, their World, their Education: Final report and recommendations of the Cambridge Primary Review, University of Cambridge Faculty of Education, Cambridge