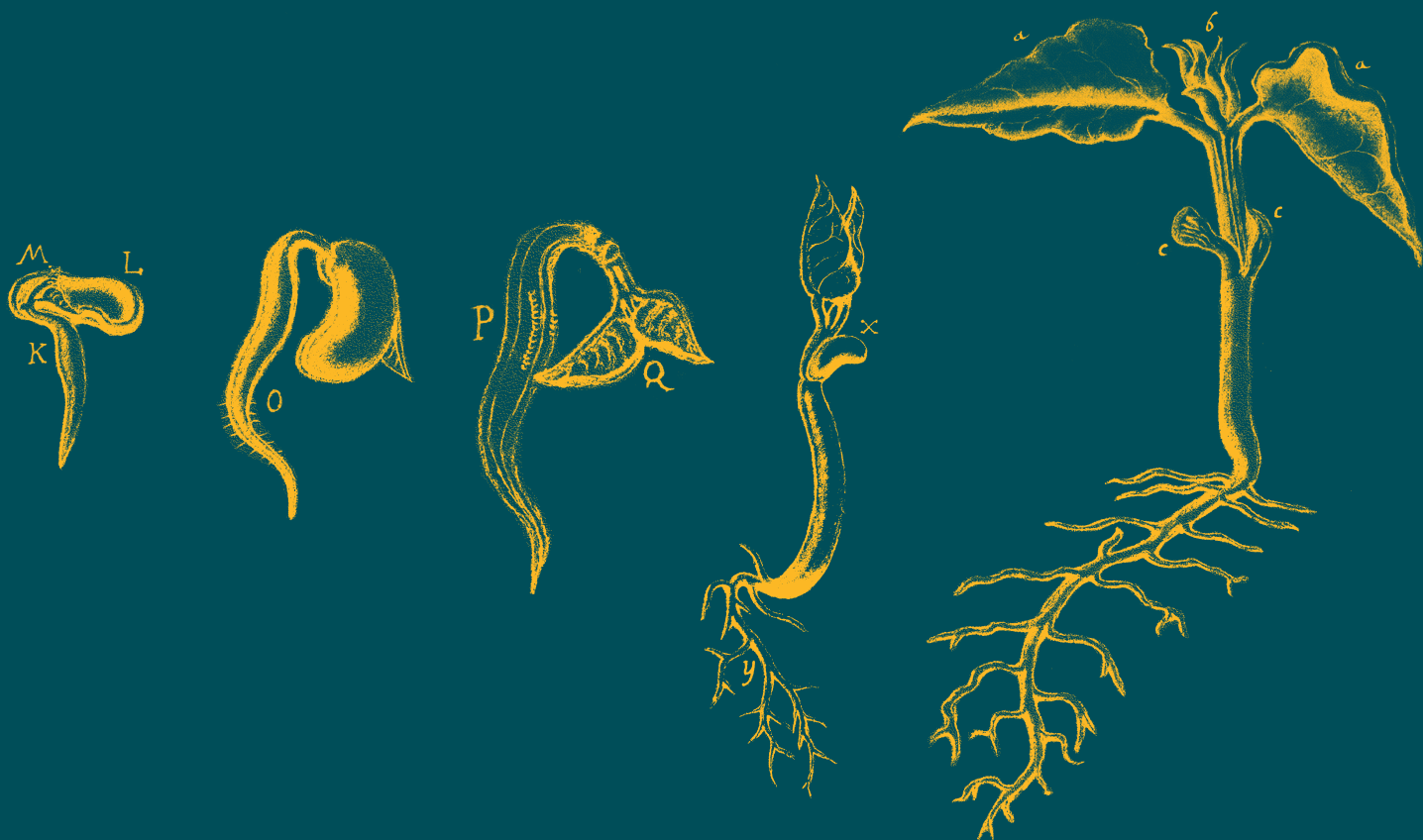


Science and mathematics education, 5–14

A 'state of the nation report': electronic appendix



CELEBRATE
350 YEARS



THE ROYAL SOCIETY

'State of the nation' report on
5–14 science and mathematics
education: electronic appendix

CELEBRATE
350 YEARS



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A state of the nation report: electronic appendix

Chapter 3

Figure A3.1. The results of undertaking a search for Key Stage 3 data for 2003/04 on the (former) DCSF's 'Research and statistics' gateway. (The search was undertaken on 2 February 2010. A disclaimer on the new Department for Education website, checked on 7 June 2010, reads: 'A new UK Government took office on 11 May. As a result the content on this site may not reflect current Government policy.')

The screenshot shows the DCSF Research & Statistics Gateway search results page. At the top, there are logos for the Department for Children, Schools and Families (DCSF) and the Department for Business, Innovation & Skills (BIS). A search bar contains the text 'assessment, key stage 3, 2003' and a 'GO' button. Below the search bar, the results are listed in a table-like format. The first result is 'Statistical First Releases index page' with a URL. The second result is 'National Curriculum Assessments at Key Stage 3 and Key Stage 2 to Key Stage 3 Value Added Measures in England 2003/04 (Final)', which includes a description of the Statistical First Release (SFR) and a URL. The third result is 'National Curriculum Assessments at Key Stage 3 and Key Stage 2 to Key Stage 3 Value Added for Young People in England 2003/04 (Revised)', also including a description and URL. The fourth result is 'National Curriculum Assessments at Key Stage 3 and Key Stage 2 to Key Stage 3 Value Added Measures in England 2003/04 (Final)', with a description and URL. The fifth result is 'National Curriculum Assessments at Key Stage 3 and Key Stage 2 to Key Stage 3 Value Added Measures in England 2003/04 (Final)', with a description and URL. The sixth result is 'Schedule for the Publication of National Statistics April 2005 to March 2006', with a description and URL. The seventh result is 'National Curriculum Assessments at Key Stage 3 and Key Stage 2 to Key Stage 3 Value Added Measures in England 2003/04 (Final)', with a description and URL. The eighth result is 'Schedule for the Publication of National Statistics October 2004 to September 2005', with a description and URL. The ninth result is 'Schedule for the Publication of National Statistics October 2005 to September 2006', with a description and URL. On the left side of the page, there are navigation links for 'National Statistics', 'What's new', 'Publication Schedule', 'Recruitment', 'Feedback', 'Links', 'Help', 'Accessibility', 'Search by', 'Keyword', 'Subject Category', 'Reference', 'Publication Type', and 'Quick Links', including 'DCSF Home page', 'DCSF & BIS Research Programme', 'Performance Tables', 'Autumn Package', 'Every Child Matters', 'Trends in Education and Skills', and 'In Your Area'.

Table A3.1. Percentages of all pupils attaining Level 2 or above in Key Stage 1 teacher assessments (England, 1998–2009).^(a)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Science	86	86.5	88	89	89	90	90	90	89	89	89	89
Science (time-series)	–	–	88	89	89	89	90	90	89	89	89	–
Mathematics	85	86	88	89	89	89	89	91	90	90	90	89
Mathematics (time-series) ^(b)	–	–	88	89	89	89	89	91	90	90	90	–
English	81	82.5	84	85	85	85	–	–	–	–	–	–
Reading	80.5	82	84	85	85	85	85	85	84	84	84	84
Reading (time-series) ^(b)	–	–	84	84	85	85	85	85	84	84	84	–
Writing	78.5	80	82	83	84	83	83	82	81	80	80	81
Writing (time-series) ^(b)	–	–	82	83	84	82	83	82	81	80	80	–
Speaking and listening	–	–	–	–	–	–	–	88 ^(c)	87 ^(c)	87 ^(c)	87	87

Sources: All DCSF.

(a) Wherever possible, the latest available data are included (see notes below), and wherever possible data included are for maintained sector pupils only. However, final data do not appear to have been published consistently for all years, and the manner in which attainment data have been presented has varied greatly, it being invariably not possible to distinguish data on maintained schools (including or not including special schools) from that on independent schools, City Technology Colleges or, more recently, Academies. For some further information concerning the sorts of variations to be found in the statistical first releases (SFRs), please refer to the notes below.

(b) The time-series data (for pupils in all schools) are published separately by the DCSF at: <http://www.dcsf.gov.uk/trends/index.cfm?fuseaction=home.showCategory&cid=5>. This may be responsible for differences in the data published in the statistical first releases.

(c) 'Final' data for 'all schools entering pupils for KS1 teacher assessments', reproduced here, appear in SFR 26/2007 (published 30 August 2007).

Technical notes:

1998 data: *Statistics of education, 2000*, table 2.9. The attainment data in the table are for 'schools'. It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Note: separate data for males and females are included, so an average has been calculated. See <http://www.dcsf.gov.uk/rsgateway/DB/VOL/v000211/vol05-2000.pdf>

1999 data: *Statistics of education, 2000*, table 2.9. The attainment data in the table are for 'schools'. It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Note: separate data for males and females are included, so an average has been calculated. See <http://www.dcsf.gov.uk/rsgateway/DB/VOL/v000431/edtraining2003final.pdf>

2000 data: *Statistics of education, 2003*, table 2.9. The attainment data in the table are for 'schools'. It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Note: separate data for males and females are included, so an average has been calculated.

2001 data: provisional data are available at <http://www.dcsf.gov.uk/rsgateway/DB/SFR/s000286/contents.shtml> and in SFR 37/2001 (14 September 2001). Final data for local education authority maintained schools are published at <http://www.dcsf.gov.uk/rsgateway/DB/VOL/v000344/contents.shtml>, though 90% is recorded for science in the later SFR 21/2004, table 4.

2002 data: provisional data are published in SFR 25/2002 and also available at <http://www.dcsf.gov.uk/rsgateway/DB/SFR/s000356/contents.shtml>. Final data were published in SFR 20/2003, table 1.

2003 data: provisional data are published in SFR 20/2003, table 1, though perhaps more refined data for males and females in 'LEA maintained [schools]' are to be found in supplementary tables T12–T15 of the same SFR. Final data for 'maintained' schools are published in SFR 21/2004, table 4, although these differ from data for 'LEA maintained [schools] only' given in table 12. Here the former have been included.

2004 data: provisional data are published in SFR 30/2005, table A (published on 23 August 2005), which include data on both maintained and non-maintained schools, and in *Education and training statistics, 2005*, table 2.9, published in November 2005, which contains data on 'schools'. Final data for 2004 are published in SFR 04/2006, table A, and include data from maintained schools including special schools. Data included above are for schools that were not involved in the trial of 34 local authorities in which schools involved reported teacher assessments only.

2005 data: provisional data are published in SFR 30/2005. Final data, for 'LA maintained [schools] only' are published in SFR 04/2006, table 2.

2006 data: provisional data are published in SFR 30/2006, table 4, covering 'LA maintained [schools] only'. Final data, for 'all schools entering pupils for KS1 teacher assessments', are included in table 1 of SFR 21/2008.

2007 data: provisional data are published in SFR 26/2007, table 1. Final data are included in table 1 of SFR 21/2009 (published 28 August 2008).

2008 data: provisional data are published in SFR 21/2008. Final data are included in table 1 of SFR 21/2009 (published 25 August 2009).

2009 data: provisional data for Local Authority schools are published in SFR 21/2009, tables 1 and 3a.

Table A3.2. Percentages of all pupils attaining Level 2 or above in Key Stage 1 national tests (England, 1998–2004).^(a)

	1998	1999	2000	2001	2002	2003	2004
Mathematics	83	86.5	90	91	90	90	90
Mathematics (time-series) ^(b)	–	–	90	91	90	90	90
English	–	–	–	–	–	–	–
Reading	80	82	83.5	84	84	84	84
Reading (time-series) ^(b)	–	–	83	84	84	84	84
Writing	81	83	84.5	86	86	81	81
Writing (time-series) ^(b)	–	–	84	86	86	81	81
Spelling (only reported for 2001 and 2002)	–	–	–	75	78	–	–

Source: DCSF.

(a) Wherever possible, the latest available data are included (see notes below), and wherever possible data included are for maintained sector pupils only. However, final data do not appear to have been published consistently for all years, and the manner in which attainment data have been presented has varied greatly, it being invariably not possible to distinguish data on individual school types.

(b) The time-series data (for pupils in all schools) are published separately by the DCSF at <http://www.dcsf.gov.uk/trends/index.cfm?fuseaction=home.showCategory&cid=5>

Technical notes:

1998 data: *Statistics of education, 2000*, table 2.9. The attainment data in the table are for ‘schools’. It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Note: separate data for males and females are included, so an average has been calculated.

1999 data: *Statistics of education, 2000*, table 2.9. The attainment data in the table are for ‘schools’. It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Note: separate data for males and females are included, so an average has been calculated.

2000 data: *Statistics of education, 2003*, table 2.9. The attainment data in the table are for ‘schools’. It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Note: separate data for males and females are included, so an average has been calculated.

2001 data: final data for ‘LEA maintained [schools]’ are published at <http://www.dcsf.gov.uk/rsgateway/DB/VOL/v000344/contents.shtml>, table 1.

2002 data: provisional data are published in SFR 25/2002 and also available at <http://www.dcsf.gov.uk/rsgateway/DB/SFR/s000356/contents.shtml>. Final data for LEA schools are published in SFR 20/2003, table 1, see <http://www.dcsf.gov.uk/rsgateway/DB/SFR/s000407/index.shtml>

2003 data: provisional data are published in SFR 20/2003, table 1. Final data for ‘LEA data’ covering ‘maintained schools including special schools’ are published in SFR 21/2004, table 1.

2004 data: provisional data from non-trial schools only (see Table A3.1) are published in SFR 30/2005, table A for ‘LA maintained [schools] only’.

Table A3.3. Percentages of all pupils attaining Level 5 or above in Key Stage 3 teacher assessments (England, 1998–2009).^(a)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Science	62	61	63	64	67	69	70	71	73	75	77	78
Science (time-series) ^(b)	–	60	62	64	67	69	71	71	73	75	76	–
Mathematics	64	65	67	68	70	72	74	75	77	79	79	79
Mathematics (time-series) ^(b)	–	64	66	68	70	72	74	75	77	79	79	–
English	63	65	65	65	67	68	69	71	73	74	76	78
English (time-series) ^(b)	–	64	64	65	67	68	69	71	73	74	76	–

Source: DCSF.

(a) Wherever possible, the latest available data are included (see notes below), and wherever possible data included are for maintained sector pupils only. However, final data do not appear to have been published consistently for all years, and the manner in which attainment data have been presented has varied greatly, it being invariably not possible to distinguish data on individual school types.

(b) The time-series data (for pupils in all schools) are published separately by the DCSF at <http://www.dcsf.gov.uk/trends/index.cfm?fuseaction=home.showCategory&cid=5>

Technical notes:

1998 data: *Statistics of education, 1998* (originally published in October 1999, and subsequently on the Internet in November 1999). It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Data for 'maintained' schools were published in *Statistics of education: National Curriculum assessments of 7, 11 and 14 year olds in England – 2000* (published in May 2001), table 4, but it remains unclear whether the data are provisional, revised or final.

1999 data: *Statistics of education, 1999* (originally published in August 2000). 'Latest information' are published in SFR 29/1999, table 4, for pupils in England. It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Data for 'maintained' schools were published in *Statistics of education: National Curriculum assessments of 7, 11 and 14 year olds in England – 2000* (published in May 2001), table 4, but it remains unclear whether the data are provisional, revised or final.

2000 data: 'latest information' is published in SFR 43/2000. Final data are published in *Statistics of education, 2000*, table 4. It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Data for 'maintained' schools were published in *Statistics of education: National Curriculum assessments of 7, 11 and 14 year olds in England – 2000* (published in May 2001), table 3, but it remains unclear whether the data are provisional, revised or final.

2001 data: provisional data are published in SFR 37/2001. 'Latest information' for 'LEA maintained' schools is published in SFR 40/2001, table 7.

2002 data: provisional data for 'maintained [schools] only' are published in SFR 25/2002, table 8. An alternative source of provisional data is at <http://www.dcsf.gov.uk/rsgateway/DB/SFR/s000356/contents.shtml>

2003 data: provisional data 'for all pupils in all schools in England' are published in table 009 of SFR 20/2003. No revised or final TA data appear to have been published, although indications were given in SFR 2/2004 that they would be.

2004 data: provisional data 'for LEA maintained [schools] only' are published in tables F, G and H of SFR 45/2004. Final data for pupils in 'all maintained schools' are published in SFR 28/2005, table 10.

2005 data: provisional data for 'LA maintained [schools] only' are published in tables F, G and H of SFR 32/2005. The website <http://www.dcsf.gov.uk/rsgateway/DB/SFR/s000599/index.shtml> contains the following caution: 'DfES are aware of some errors and inconsistencies in the provisional Teacher Assessment data published in SFR 32/2005 for some Local Authorities. As a result we would advise anyone using this data to make decisions or form opinions about a Local Authority's performance to consult the Local Authority to gauge their opinion on the accuracy of this data for their Authority. (UPDATED: 5 June 2006).'

2006 data: final data for 'LA maintained [schools] only', which appear to include results for pupils in local authority maintained schools, as well as City Technology Colleges and academies are published in table 16 of SFR 25/2007.

2007 data: provisional data for 'LA maintained [schools] only', which include results for pupils in local authority maintained schools, as well as City Technology Colleges and academies, are published in table 12 of SFR 25/2007.

2008 data: provisional data for 'maintained schools only, including Academies and CTCs', excluding pupil referral units and hospital schools, are published in table 8 of SFR 20/2008.

2009 data: provisional data for 'maintained schools only, including Academies and CTCs', excluding pupil referral units and hospital schools, are published in table 7 of SFR 30/2009.

Table A3.4. Government Public Service Agreements relating to 5–14 education in England.

Year	PSA target
2000	<ol style="list-style-type: none"> 1. Increase the percentage of 11 year olds at or above the expected standard of literacy and numeracy for their age. By 2004: <ul style="list-style-type: none"> • increase the percentage of children who achieve Level 4 in each of the Key Stage 2 English and maths tests beyond the targets for 2002 of 80% in English and 75% in maths. This target will be announced in due course; and • reduce to zero the number of Local Education Authorities (LEA) where fewer than a set percentage of pupils achieve these standards, thus narrowing the attainment gap. This target will also be announced in due course 2. Increase the percentage of 14 year olds at or above the standard of literacy, numeracy, science and Information & Communications Technology (ICT) for their age. Subject to consultation: <ul style="list-style-type: none"> • by 2007, 85% to achieve Level 5 or above in each of the Key Stage 3 tests in English, maths, and ICT, and 80% in science; • as milestones towards that target, 80% to achieve Level 5 in maths, 75% in English and ICT, and 70% in Science by 2004; and • for 2004, a minimum performance target will be set which will result in higher standards for the bottom 20% of pupils and narrow the attainment gap
2002	<p>Raise standards in English and maths so that:</p> <ul style="list-style-type: none"> • By 2004, 75% of 14 year olds achieve Level 5 or above in English, maths and ICT (70% in science) nationally, and by 2007 85% (80% in science); • By 2007, the number of schools where fewer than 60% of 14 year olds achieve Level 5 or above is significantly reduced; and • By 2007 90% of pupils reach Level 4 in English and maths by age 12
2004	<ul style="list-style-type: none"> • By 2006, 85% of 11 year olds achieve Level 4 or above, with this level of performance sustained to 2008; and • By 2008, the proportion of schools in which fewer than 5% of pupils achieve Level 4 or above is reduced by 40%
2007	<ul style="list-style-type: none"> • Raise the educational achievement of all children and young people • Narrow the gap in educational achievement between children from low income and disadvantaged backgrounds and their peers • Increase the number of children and young people on the path to success
2008	<ul style="list-style-type: none"> • Increase the proportion achieving Level 4 or above in both English and mathematics at Key Stage 2 to 78% by 2011

Table A3.5. Percentages of all pupils attaining Level 4 or above in Key Stage 2 national tests (NT) and teacher assessments (TA) (England, 1998–2009).^(a)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Science (TA)	71	76	79	82	83	81	82	83	84	85	86	86
Science (NT)	69	78	84	87	86	87	86	86	87	88	88	88
Mathematics (TA)	65	70	72	73	74	74	75	76	78	78	80	81
Mathematics (NT)	59	69	72	71	73	72	74	75	76	77	79	79
English (TA)	66	68	70	72	72	72	73	75	77	78	79	79
English (NT)	65	71	75	75	74	75	78	79	79	80	81	80

Source: DCSF.

(a) Wherever possible, the latest available data are included (see notes below), and wherever possible data included are for maintained sector pupils only. However, final data do not appear to have been published consistently for all years, and the manner in which attainment data have been presented has varied greatly, it being invariably not possible to distinguish data on individual school types.

Technical notes:

1998 data: *Statistics of education, 1998* (originally published in October 1999, and subsequently on the Internet in November 1999). It is unclear whether the data cover all types of schools and if they are provisional, revised or final. Data for 'maintained' schools were published in *Statistics of education: National Curriculum assessments of 7, 11 and 14 year olds in England – 2000* (published in May 2001), but it remains unclear whether the data are provisional, revised or final. Note: separate data for males and females are included, so an average has been calculated.

1999 data: data are published in *Statistics of education, 2000*, table 2.9. Data for 1999 may be found at <http://www.dcsf.gov.uk/rsgateway/DB/SBU/b000164/859-t3.htm>. This source gives science 75% (1998, 72%), maths 69% (1998, 65%), English 68% (1998, 65%).

2000 data: data are published in *Statistics of education, 2001*, table 1. Identical data for 'LEA maintained only' schools are also published in tables 4 and 5 of SFR 43/2000.

2001 data: data are published in *Education and training statistics, 2005*, table 2.9. Note: separate data for males and females are included, so an average has been calculated. It is unclear whether these are provisional, revised or final data.

2002 data: provisional data are published at <http://www.dcsf.gov.uk/rsgateway/DB/SFR/s000356/contents.shtml> final data for LEA 'maintained schools' only are published in SFR 25/2002, tables 15 (NT) and 16 (TA).

2003 data: final data for 'LEA maintained [schools] only' are published in SFR 21/2004, tables 18a and 19 (TA).

2004 data: data are published in *Education and training statistics, 2005*, table 2.9. Note: separate data for males and females are included, so an average has been calculated. Provisional data were published in SFR 30/2004, and revised data were published in SFR 46/2004. Final data for 'LEA maintained [schools] only' are published in SFR 22/2005, tables 12 (NT) and 13 (TA), the NT data being a calculated average of separately presented data for males and females.

2005–2007 data: final data for 2005 and 2006, and provisional data for 2007, appear in SFR 24/2007, tables 1 and 2, which cover 'all schools entering pupils for KS2 tests'. Provisional data for 2007 for all pupils in 'all maintained schools]' (both NT and TA) are published in table 4.

2008 data: these are based on provisional data for 'maintained schools only, including Academies and CTCs' published in SFR 30/2009, table 3 (TA).

2009 data: provisional data for 'maintained mainstream schools' are published in SFR 30/ 2009, table 2 (TA), and for 'maintained schools only, including Academies and CTCs', are published for NT in table 6 of SFR 19/2009.

Table A3.6. Percentages of all pupils attaining Level 2 or above in Key Stage 1 teacher assessments (Northern Ireland, 1998–2009).

	1998	1999	2000	2001	2002	2003	2004 ^(a)	2005	2006	2007	2008	2009
Mathematics	93	94	95	95	95	95	–	95	96	95	95	95
English	93	94	95	95	95	95	–	95	95	94	94	92

Source: DENI.

(a) No data available due to industrial action.

Table A3.7. Percentages of all pupils attaining Level 4 or above in Key Stage 2 teacher assessments (Northern Ireland, 1998–2009).

	1998	1999	2000	2001	2002	2003	2004 ^(a)	2005	2006	2007	2008	2009
Mathematics	72	74	75	76	77	78	–	79	80	79	81	82
English	67	69	71	73	74	76	–	77	78	78	79	81

Source: DENI.

(a) No data available due to industrial action.

Table A3.8. Percentages of all pupils attaining Level 5 or above in Key Stage 3 national tests (NT) and teacher assessments (TA) (Northern Ireland, 1998–2009).

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Science (TA)	–	70	71	71	72	73	– ^(a)	74	75	72	72	72
Science (NT)	68	66	67	68	68	68	70	70	70	–	–	–
Mathematics (TA)	–	71	72	71	72	74	– ^(a)	74	73	74	74	73
Mathematics (NT)	66	70	67	69	73	71	72	71	74	–	–	–
English (TA)	–	72	73	73	74	75	– ^(a)	75	77	78	79	75
English (NT)	71	68	69	72	73	73	72	73	74	–	–	–

Source: DENI.

(a) No data available due to industrial action.

Table A3.9. Percentages of all pupils attaining Level 2 or above in Key Stage 1 national tests (NT) and teacher assessments (TA) (Wales, 1998–2009).

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Science (TA)	85	86	88	89	88	88	89	89	89	89	90	90
Mathematics (TA)	84	85	88	89	88	87	87	87	87	87	87	87
Mathematics (NT)	84	86	90	92	–	–	–	–	–	–	–	–
English (TA)	80	81	83	83	83	82	83	84	83	82	82	83
English (NT)	79	85	83	84	–	–	–	–	–	–	–	–

Source: WAG.

Table A3.10. Percentages of all pupils attaining Level 4 or above in Key Stage 2 national tests (NT) and teacher assessments (TA) (Wales, 1998–2009).

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Science (TA)	71	75	78	81	83	85	87	87	86	85	86	86
Science (NT)	69	77	81	82	86	88	89	–	–	–	–	–
Mathematics (TA)	65	69	71	75	75	76	78	80	81	80	81	83
Mathematics (NT)	61	67	69	75	73	75	78	–	–	–	–	–
English (TA)	65	67	69	73	76	76	77	79	79	79	80	81
English (NT)	64	69	73	77	80	79	79	–	–	–	–	–

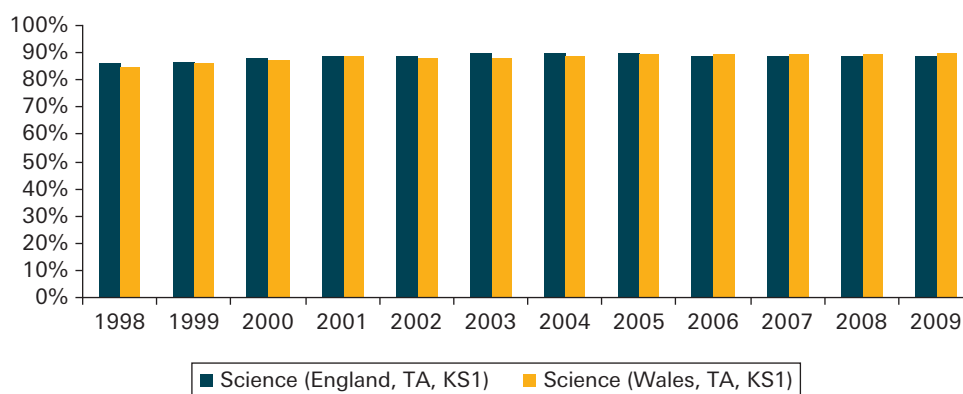
Source: WAG.

Table A3.11. Percentages of all pupils attaining Level 5 or above in Key Stage 3 national tests (NT) and teacher assessments (TA) (Wales, 1998–2009).

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Science (TA)	60	59	61	63	66	69	72	72	73	71	74	76
Science (NT)	55	55	58	63	67	70	74	71	–	–	–	–
Mathematics (TA)	64	62	64	65	66	69	71	73	72	70	73	74
Mathematics (NT)	60	60	60	62	62	68	71	71	–	–	–	–
English (TA)	62	62	63	63	64	65	67	67	68	69	70	71
English (NT)	62	62	59	62	62	63	65	67	–	–	–	–

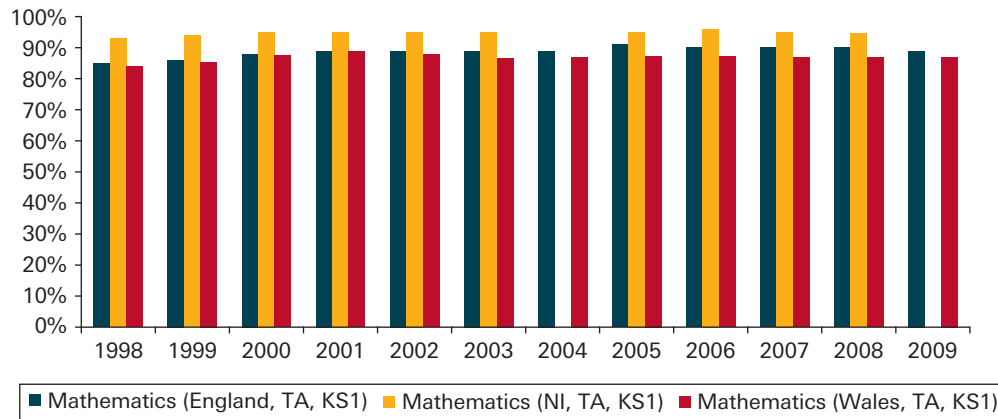
Source: WAG.

Figure A3.2. Percentages of pupils attaining Level 2 or above in Key Stage 1 teacher assessments (TA) in science in England and Wales (1998–2009).



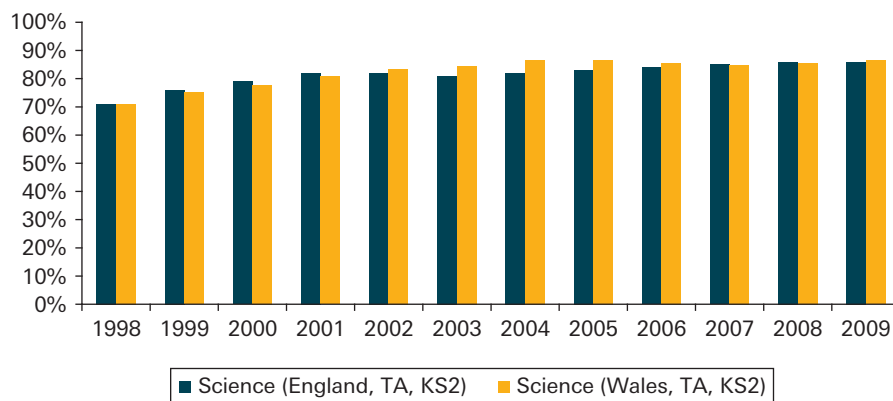
Sources: DCSF, WAG.

Figure A3.3. Percentages of pupils attaining Level 2 or above in Key Stage 1 teacher assessments (TA) in mathematics in England, Northern Ireland and Wales.



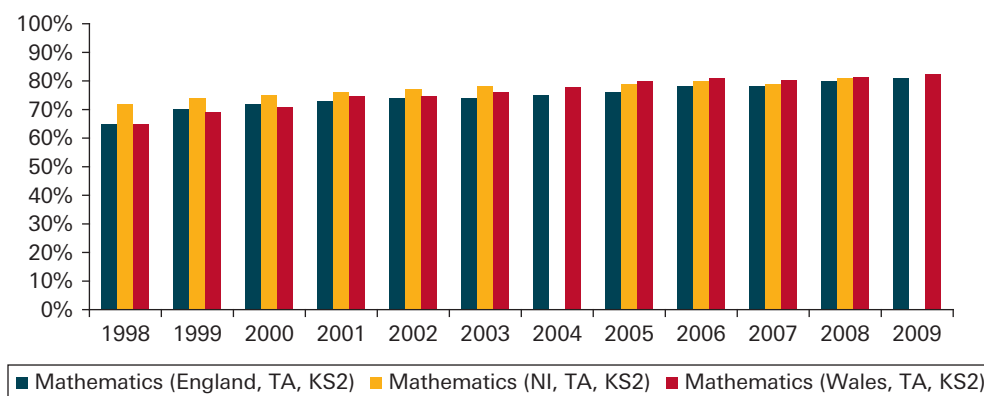
Sources: DCSF, WAG.

Figure A3.4. Percentages of pupils attaining Level 4 or above in teacher assessments (TA) in science in Key Stage 2 in England and Wales (1999–2009).



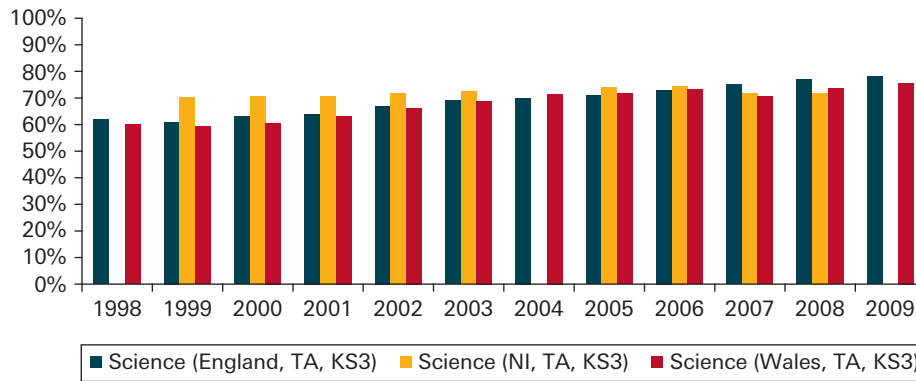
Sources: DCSF, WAG.

Figure A3.5. Percentages of pupils attaining Level 4 or above in teacher assessments (TA) in mathematics in Key Stage 2 in England, Northern Ireland and Wales.



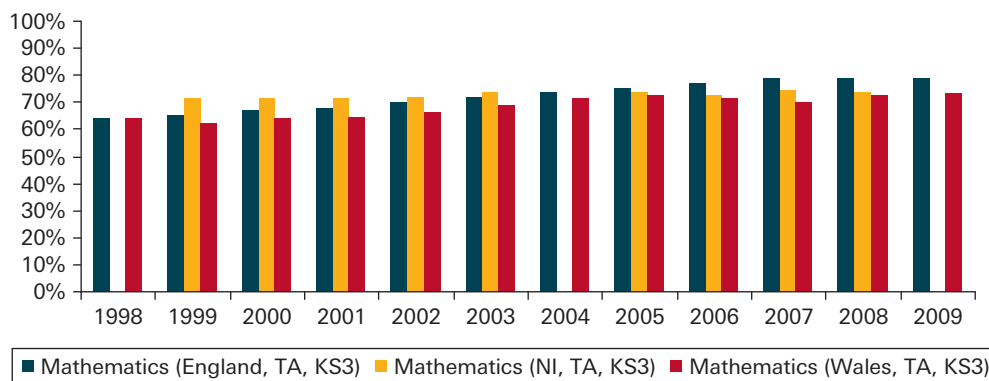
Sources: DCSF, WAG.

Figure A3.6. Percentages of pupils attaining Level 5 or above in teacher assessments (TA) in science in Key Stage 3 in England, Northern Ireland and Wales.



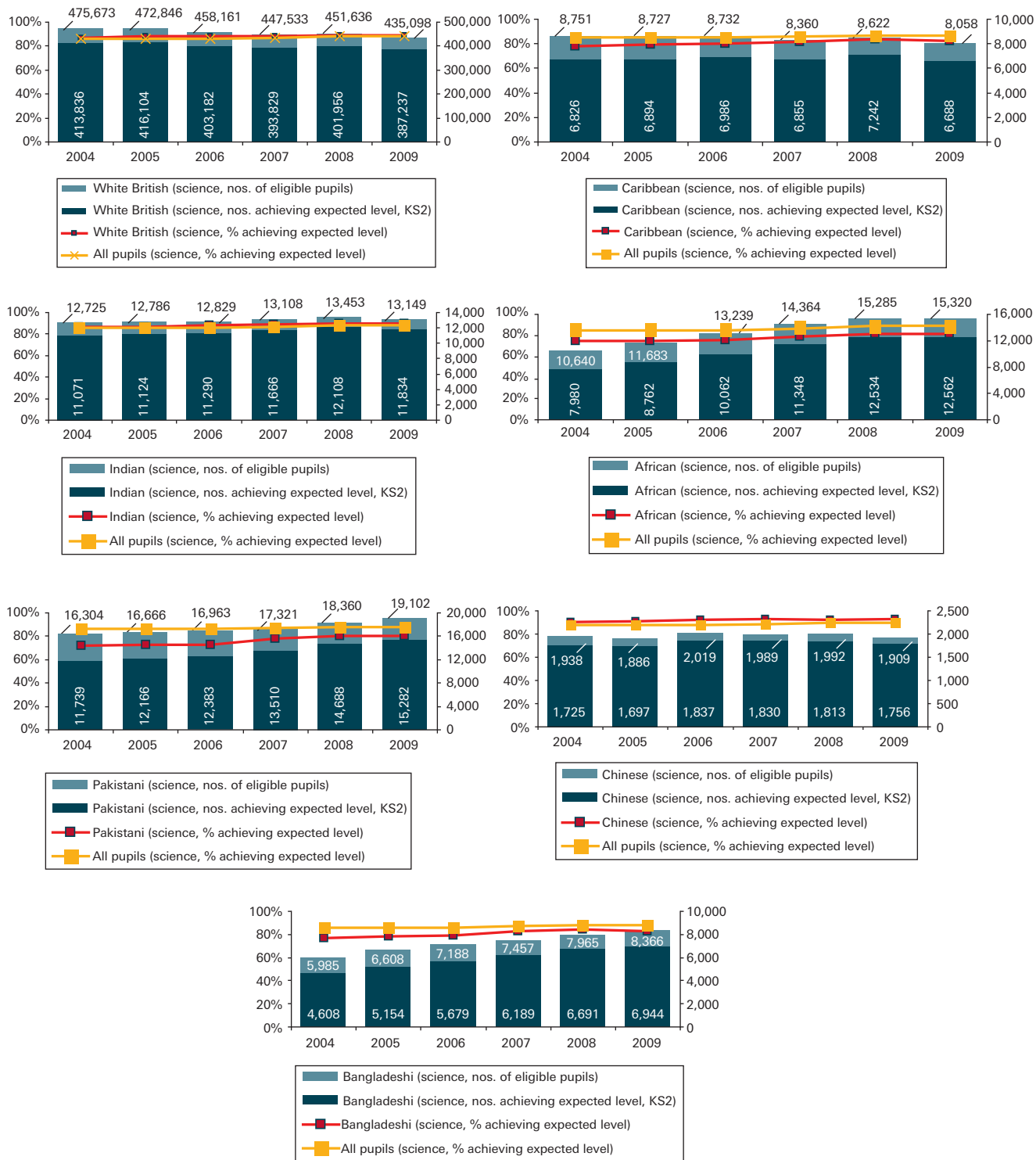
Sources: DCSF, DENI, WAG.

Figure A3.7. Percentages of pupils attaining Level 5 or above in teacher assessments (TA) in mathematics in Key Stage 3 in England, Northern Ireland and Wales.



Sources: DCSF, DENI, WAG.

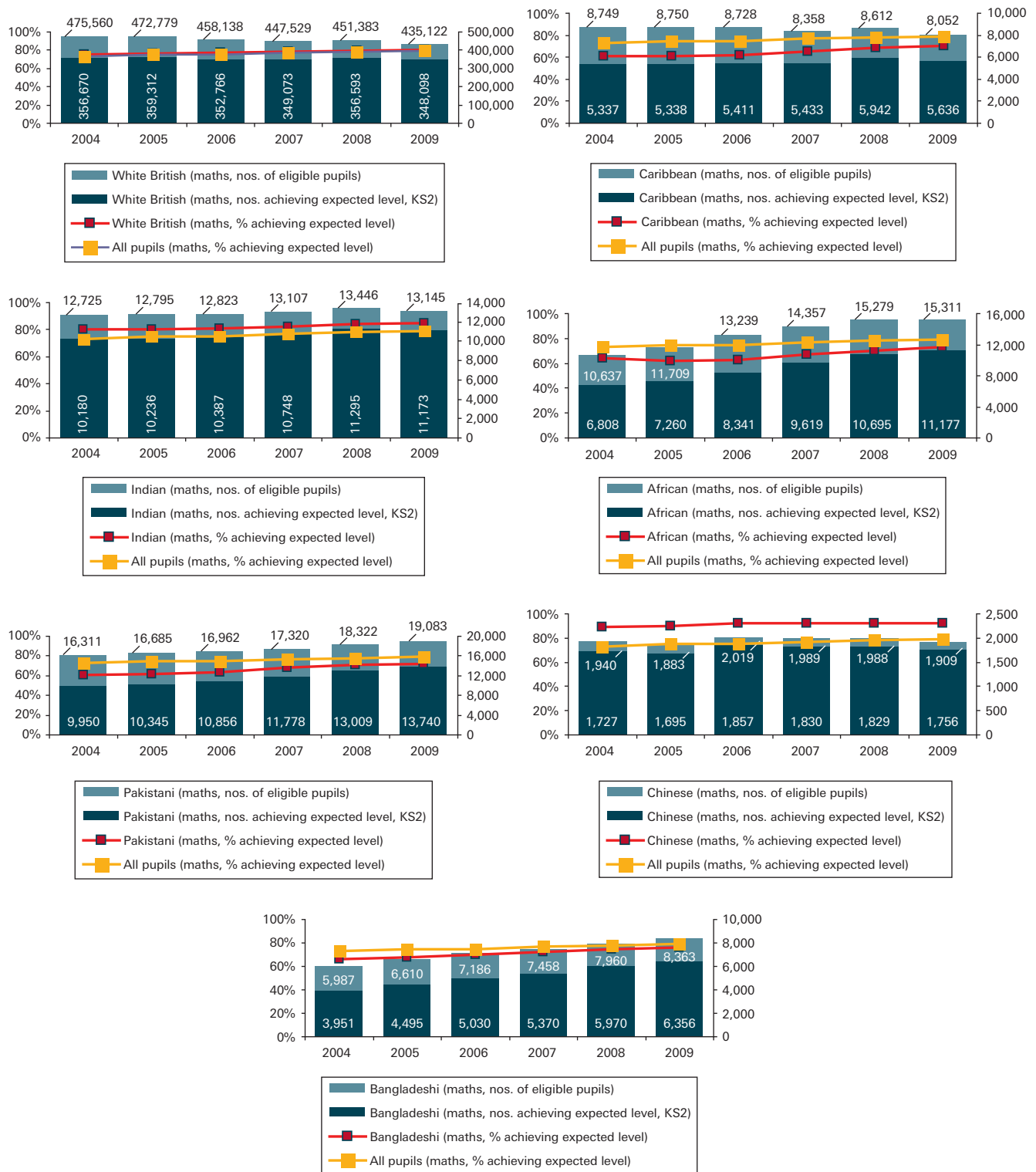
Figure A3.8. Attainment in Key Stage 2 science by ethnicity (England, 2004–2009).^(a)



Source: DCSF.

(a) Data for 2004 were extracted from SFR 08/2005, table 27c. The status (ie provisional, revised, final) of these data is unclear. Data for 2005 were extracted from SFR 09/2006, table 7. These are provisional data. Data for 2006–2009 were extracted from SFR 31/2009. This SFR includes final data for 2006–2008, and provisional data for 2009.

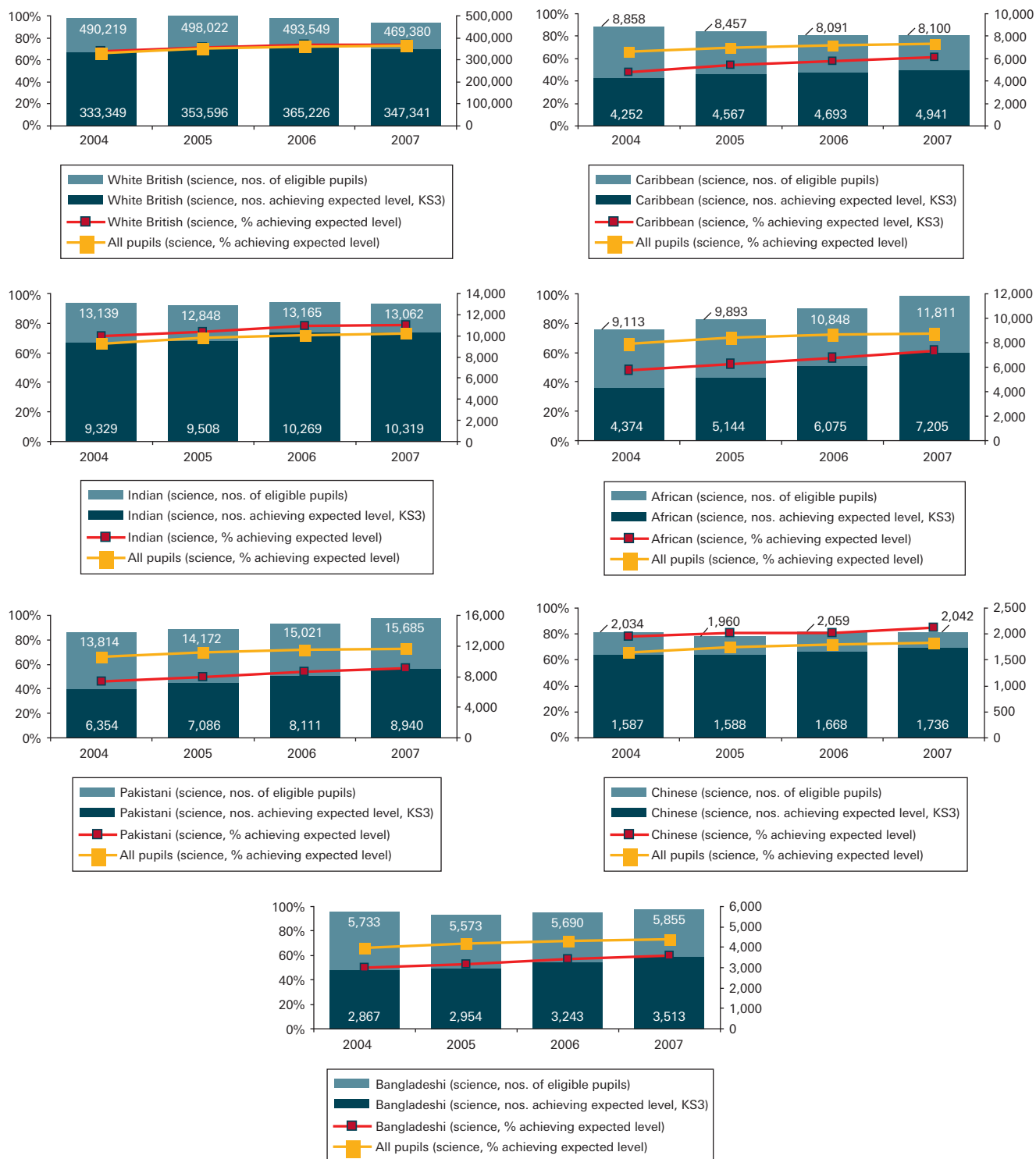
Figure A3.9. Attainment in Key Stage 2 mathematics by ethnicity (England, 2004–2009).^(a)



Source: DCSF.

(a) Data for 2004 were extracted from SFR 08/2005, table 27b. The precise status (ie provisional, revised, final) of these data is unclear. Data for 2005 were extracted from SFR 09/2006, table 6. These are provisional data. Data for 2006–2009 were extracted from SFR 31/2009. This SFR includes final data for 2006–2008, and provisional data for 2009.

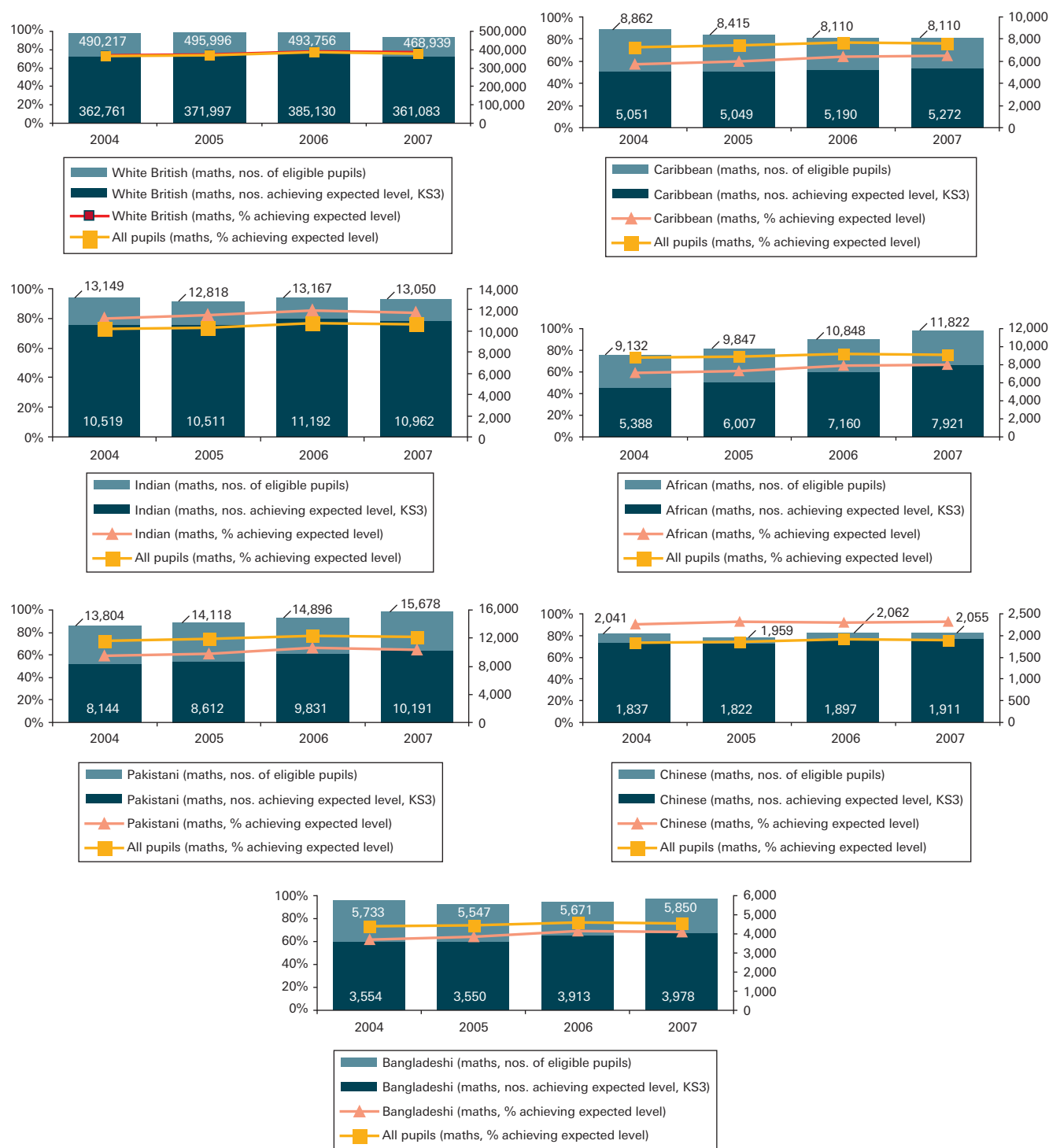
Figure A3.10. Attainment in Key Stage 3 science by ethnicity (England, 2004–2007).^(a)



Source: DCSF.

(a) Data for 2004 were extracted from SFR 08/2005, table 11. The precise status (ie provisional, revised, final) of these data is unclear. Data for 2005 were extracted from SFR 09/2006, table 10. Data for 2006 were extracted from SFR 04/2007, table 6. Data are provisional. Data for 2007 were extracted from SFR 38/2007. Data are provisional.

Figure A3.11. Attainment in Key Stage 3 mathematics by ethnicity (England, 2004–2007).^(a)



Source: DCSF.

(a) Data for 2004 were extracted from SFR 08/2005, table 11b. The status (ie provisional, revised, final) of these data is unclear. Data for 2005 were extracted from SFR 09/2006, table 9. These are provisional data. Data for 2006–2007 were extracted from SFR 31/2009. This SFR includes final data for 2006–2007.

Table A3.12. Percentages of pupils in maintained primary schools achieving the expected level in Key Stage 2 teacher assessments by FSM-eligibility (Wales, 2005–2009).

Science	2005 ^(a)	2006 ^(a)	2007 ^(a)	2008 ^(b)	2009 ^(c)
FSM-eligible	72	72	70	72	74
Non-FSM-eligible	90	89	88	89	89
All pupils	86	86	85	86	87
Mathematics					
FSM-eligible	62	65	64	66	68
Non-FSM-eligible	84	85	84	85	86
All pupils	80	81	80	82	83

Source: WAG.

(a) SB13/2008; (b) SB15/2009; (c) SB/13/2010.

Table A3.13. Percentages of pupils in maintained primary schools achieving the expected level in Key Stage 3 teacher assessments by FSM-eligibility (Wales, 2005–2009)^(a)

Science	2005 ^(a)	2006 ^(a)	2007 ^(a)	2008 ^(b)	2009 ^(c)
FSM-eligible	50	51	47	50	53
Non-FSM-eligible	77	78	75	78	80
All pupils	73	74	71	74	76
Mathematics					
FSM-eligible	52	49	47	49	51
Non-FSM-eligible	78	76	75	77	78
All pupils	74	72	70	73	74

Source: WAG.

(a) SB13/2008; (b) SB15/2009; (c) SB/13/2010.

Chapter 4

Table A4.1. The major routes into teacher training available throughout the UK.

Programme	Course	Common abbreviation	Availability in the UK			
			England	Wales	Scotland	NI
Undergraduate	Bachelor of Education	BEd	✓	✓	✓	✓
	Bachelor arts/science with qualified teacher status ^(a)	BA/BSc with QTS	✓	✓	✓	✓
Postgraduate	Postgraduate Certificate in Education	PGCE	✓	✓	✓	✓
	Professional Graduate Certificate in Education	PGCertEd	✓	✓	✗	✗
	Postgraduate Diploma in Education	PGDE	✗	✗	✓	✗

(Continued)

Table A4.1. (Continued)

Programme	Course	Common abbreviation	Availability in the UK			
			England	Wales	Scotland	NI
	Teach First ^(b)	Teach First	✓	✗	✗	✗
	School-centred initial teacher training	SCITT	✓	✗ ^(c)	✗	✗
Employment-based	Graduate Teacher Programme	GTP	✓	✓	✗	✗
	Registered Teacher Programme	RTP	✓	✗	✗	✗
Assessment-only routes	Qualified teacher status only	QTS	✓	✗	✗	✗
Overseas trained teachers	Overseas trained teacher programme	OTTP	✓	✓	✓	✓

Source: Royal Society (2007), updated.

(a) (BA (Hons) in Professional Education (Primary) with specialism in modern languages/environment (University of Stirling only).

(b) This scheme provides a route into secondary school teaching only.

(c) No SCITT exists in Wales, but the Marches Consortium (in Leominster) offers training in some schools in Wales.

Table A4.2. Total numbers of candidates accepted for primary age range PGCE/PGDE and middle years age range PGCE courses processed by the GTTR (1998–2008).

	1998 ^(a)	1999 ^(b)	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total acceptances to primary PGCE courses	5,446	5,839	6,984	7,201	8,298	9,441	10,167 ^(d)	10,291	9,923 ^(e)	9,471	9,836
Total acceptances to middle PGCE courses	266	380	371	498 ^(c)	528	581	516	453	360	352	312
Total	5,712	6,219	7,355	7,699	8,826	10,022	10,683	10,744	10,283	9,823	10,418

Source: GTTR.

(a) Based on data extracted from the data on 2000 course entry, published in 2001.

(b) Based on data extracted from the data on 2000 course entry, published in 2001.

(c) This is the corrected figure, included in the report for 2002 entry in published in 2003. The figure in the original Annual Statistical Report for 2001 entry was 444.

(d) This is the corrected figure, included in the report for 2005 entry published in 2006. The figure in the original Annual Statistical Report for 2004 entry was 10,228.

(e) This is the corrected figure, included in the report for 2007 entry published in 2008. The figure in the original Annual Statistical Report for 2006 entry was 9,937.

Table A4.3. Total numbers of candidates accepted for specialist primary PGCE/PGDE and middle years age range PGCE courses processed by the GTTR (2000–2008).

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total acceptances to lower primary specialised PGCE courses	155	210	252	171	83	66	71	59	1
Total acceptances to primary specialised subject PGCE courses	161	298	352	142	260	307	374	313	413

(Continued)

Table A4.3. (Continued)

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total acceptances to upper primary specialised PGCE courses	448	443	497	403	358	341	395	351	204
Percentage of all primary PGCE acceptances ^(a)	10.9	13.2	13.3	7.6	3.5	6.9	8.5	7.6	6.3
Total acceptances to middle years named subject PGCE courses	339	390	491	562	503	441	358	335	298
Percentage of all middle years age range PGCE acceptances ^(a)	91.4	87.8	93.0	96.7	97.5	97.4	99.4	95.2	95.5

Source: GTTR.

(a) Calculated from data in the GTTR's Annual Statistical Reports.

Table A4.4. Total numbers of people recruited onto PGCE primary courses in England (2000/01–2008/09).

Undergraduate	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
Primary ^(a)	6,580	6,390	6,490	6,600	7,030	6,990	6,830	6,490	6,570
ITT totals for science at KS2/3 ^(b)	144	130	50	36	48	47	38	52	Not yet available
ITT totals for mathematics at KS2/3 ^(b)	108	85	26	22	34	33	31	46	Not yet available
Postgraduate									
Primary (HEI)	6,080	6,130	7,260	8,170	8,530	8,340	7,940	7,790	7,940
Primary (SCITT/ other non HEI)	510	590	740	810	890	840	840	790	820
Total primary allocation (target)	13,100	12,500	14,000	15,200	16,300	15,800	15,300	14,800	17,460
Total primary UG/ PG recruitment (all subjects)	13,170	13,140	14,520	15,640	16,540	16,260	15,610	15,120	15,320
Employment-based									
Primary	830	1,610	1,690	2,510	2,750	2,690	2,710	2,440	1,800
ITT totals for science at KS2/3	111	134	140	146	120	108	99	89	Not yet available
ITT totals for mathematics at KS2/3	38	66	76	106	94	55	72	50	Not yet available

Sources: (a) DCSF; (b) TDA Performance Profiles.

Table A4.5. Total numbers of candidates accepted for primary PGDE courses in Scotland.

Scotland	2000		2001		2002		2003		2004		2005		2006		2007		2008	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
PR	18	139	39	277	66	467	63	536	132	770	182	1,114	202	1,211	225	1,041	244	1,189
Total	157	316	316	533	533	599	599	902	902	1,296	1,296	1,413	1,413	1,266	1,266	1,433	1,433	
No. of providers	2	2	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

Source: GTTR.

Table A4.6. Total numbers of candidates accepted for primary age range PGCE courses in Wales.

Wales	2000		2001		2002		2003		2004		2005		2006		2007		2008	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
LPR	3	109	4	120	5	104	2	116	3	108	6	127	9	110	4	95	10	102
PR	35	210	41	164	38	182	48	182	40	192	49	150	33	169	26	157	55	136
UPR	55	135	47	136	51	136	40	144	58	122	42	103	53	98	55	96	68	81
Total	547	512	512	516	516	532	532	523	523	477	477	472	472	433	433	452	452	
No. of providers	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	

Source: GTTR.