

# **THE ALSPAC STUDY**

## **KEY STAGE 2 FILE**

### **NATIONAL TEST DATA AT AGE 10-11**

**Prepared by**

**The ALSPAC Study Team**

**Documentation giving frequencies, background and instructions for use.**

**Last updated for version 1a of the release file.**

**December 2008**

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## **PLEASE NOTE:**

**The sample size you will receive from the education data is dependent on external factors including participant consent status and the data sharing agreement with the relevant organisation. These are subject to change without notice and cannot be controlled by ALSPAC. Every individual request for data is filtered against the current status at the time of data extraction, therefore if you request data at different time points it may be a different sample size each time.**

**February 2012**

## Introduction and Methodology

### Schooling of the ALSPAC cohort

Under UK law, all children must be in school by their fifth birthday. In practice children will enter reception class in the September following their fourth birthday and then move up a school year every September. The ALSPAC cohort is split across 3 school years. The expected progress, according to date of birth, of each subdivision of the cohort through compulsory schooling is shown in Table 1. Note that the oldest ALSPAC children entered reception in autumn 1995 and the youngest will take their GCSEs in summer 2009. Table 1 also details the codes that will be used for the relevant academic years on ALSPAC data files.

**Table 1: Coding of academic years on ALSPAC data files and expected progress of the ALSPAC cohort according to their dates of birth**

Academic year	Code	Expected position of ALSPAC children born between:		
		April 1991 & August 1991	September 1991 & August 1992	September 1992 & January 1993
1995 / 1996	1	Reception	-	-
1996 / 1997	2	Year 1	Reception	-
1997 / 1998	3	Year 2	Year 1	Reception
1998 / 1999	4	Year 3	Year 2	Year 1
1999 / 2000	5	Year 4	Year 3	Year 2
2000 / 2001	6	Year 5	Year 4	Year 3
2001 / 2002	7	Year 6	Year 5	Year 4
2002 / 2003	8	Year 7	Year 6	Year 5
2003 / 2004	9	Year 8	Year 7	Year 6
2004 / 2005	10	Year 9	Year 8	Year 7
2005 / 2006	11	Year 10	Year 9	Year 8
2006 / 2007	12	Year 11	Year 10	Year 9
2007 / 2008	13	-	Year 11	Year 10
2008 / 2009	14	-	-	Year 11

### Key Stages & Tests

The year on year progress of children through schooling is divided in to a number of “key stages” (see Table 2 for details). Foundation, key stage 1 and key stage 2 make up primary education, with foundation / key stage 1 often referred to as “infants” and key stage 2 as “juniors”. Key stages 3 and 4 make up the compulsory component of secondary education. For further information see the website of the Department for Children, Schools and Families (DCSF, <http://www.dfes.gov.uk/>).

At the end of each key stage, children’s progress is assessed by means of compulsory national tests. These are detailed in Table 2. At the time when the ALSPAC cohort entered school there were no national compulsory entry assessments. However, the four LEAs that cover the former Avon area (Bristol, South Gloucestershire, Bath & North East Somerset and North Somerset) all employed the same entry assessment scheme, which was said to be used by 80% of the local state schools.

**Table 2: Structure of UK schools and testing procedures**

<b>Class</b>	<b>Age</b>	<b>Key Stage</b>	<b>Tests</b>
-	3 - 4	Foundation	-
Reception	4 - 5		Local entry assessments
Year 1	5 - 6	1	-
Year 2	6 - 7		National tests and tasks in English and Maths
Year 3	7 - 8	2	-
Year 4	8 - 9		-
Year 5	9 - 10		-
Year 6	10 - 11		National tests in English, Maths and Science
Year 7	11 - 12	3	-
Year 8	12 - 13		-
Year 9	13 - 14		National tests in English, Maths and Science
Year 10	14 - 15	4	Some children take GCSEs
Year 11	15 - 16		Most children take GCSEs, GNVQs etc.

Educational progress is measured by “national curriculum levels”. Eight levels are available, labelled Level 1 to Level 8. The way they fit into the key stages is detailed in Table 3 below (information obtained from the DCSF website). Note that the local entry assessments do not fit into this structure at all and that national curriculum levels are not used for assessment at key stage 4.

**Table 3: National curriculum levels**

<b>Key Stage</b>	<b>Range of levels within which most children will work</b>	<b>Target that most children reach by the end of the key stage</b>
1	1 - 3	2
2	2 - 5	4
3	3 - 7	5 - 6

### National Pupil Database

The National Pupil Database (NPD) was established in 2002 as a central repository for pupil level educational data. The datasets contained within the NPD are of two main types: assessment results (from Key Stage 1 to A-level) and school census returns. The NPD only covers England. There is a similar Welsh system, but no attempt has been made to gain access to the records of study children in Welsh schools.

In order to facilitate the collection of data a system of Unique Pupil Numbers (UPNs) was introduced in autumn 1999. UPNs are allocated by schools to pupils on their first entry into the state sector and then transferred from school to school with the child. However, in reality it is possible for a single pupil to actually have more than one UPN associated with them during their school career. This might happen, for example, if they move schools and the old school fail to correctly pass on that pupil's UPN to the new school.

UPNs are generated either by the school's management information software or by a Microsoft Excel spreadsheet provided by DCSF. UPNs are thirteen character check summed identifiers and are formulated as shown in Table 4.

**Table 4: Formulation of UPNs**

<b>Character(s)</b>	<b>Meaning</b>
1	Check letter. This verifies that the UPN is valid and is calculated from the other 12 characters.
2 - 4	LEA number of the school allocating the UPN.
5 - 8	DCSF establishment number of the school.
9 - 10	The last two digits of the year in which the UPN is allocated.
11 - 13	A serial number of three digits for UPNs allocated by the school in that year.

### Matching

In order to satisfy the confidentiality requirements of both ALSPAC and DCSF, the linking work was carried out by a third party (the Fischer Trust). ALSPAC supplied the Fischer Trust with names, dates of birth and current postcode for all members of the eligible cohort, whilst DCSF supplied similar details relating to all the individual datasets in the NPD. Fischer Trust then linked ALSPAC IDs to UPN by matching on the available data separately for each data set (i.e. separate matches for each of the three PLASC returns and each of the Key Stage results datasets). This occasionally resulted in a single ALSPAC child being linked to different UPNs in different years / datasets. Such cases were further scrutinised by ALSPAC in order to check that everything was OK with them. In addition a small number of bad matches were identified by investigating cases for whom the reported national curriculum year was 2 or more years out from the expected national curriculum year.

### Permission

Permission to use education data was originally sought from the accompanying adult at the Focus@7 clinic. However, in May 2003 the ALSPAC Ethics & Law Committee decided that in line with the data protection act it was not necessary for ALSPAC to obtain written consent before using the data, but that data on children for whom permission was actually refused at the Focus@7 clinic or for whom permission was subsequently withdrawn should not be used. At the time of writing there are 15 children for whom we have such refusals. Data on these children, if identified in the matching process, were removed.

### Multiple Records

Multiple records were identified for a small number of children. These occurred for one of two reasons:

1. The child moved schools during Year 6 with both schools claiming the results for that child. This means there are two records in the same academic year but from different schools.
2. The child repeated Year 6. This means there are two records from the same school but in different academic years.

One record was selected for each child as follows. For situation 1 above the record from the school in which the child actually sat the tests was retained or, if it was not possible to determine this, the more complete record was retained. For situation 2 above the record that came from the year in which the child should have sat the tests by age (see Table 1) was retained.

### **Sample**

There are a total of 19,435 records on this built file. This number is made up of the 14,676 fetuses in the core ALSPAC sample (regardless of whether or not Key Stage 2 records were identified for them) plus 4,759 eligible children not in the core sample for whom a Key Stage 2 record was identified.

Of the 14,676 fetuses in the core ALSPAC sample, 14,062 were live born. Key Stage 2 records were identified for 12,233 (87%) of these live born children. For further information on the ALSPAC sample, please see section 5 of the “Guide to ALSPAC data” which can be found in the “Collaborator Pack” on the ALSPAC documentation CD.

Note that a total of 9 records belong to children from triplet or quadruplet pregnancies, of which 6 are children in the core sample. For reasons of confidentiality the data from these questionnaires are not available. KS2DATA has been set to 2 “No” and all other variables have been set to -11 or -111 as appropriate.

### **Notes on the data**

The data are presented as supplied by DCSF. However, since data from three academic years have been combined into a single file, for clarity variables have been set to -6 (or, for a few variables with a negative range, -106) for cases whose Key Stage 2 data come from years in which those variables were not available. In addition variables have been set to -10 for cases for whom no Key Stage 2 record has been identified and remaining missing values in numeric variables have been set to -1.

The variables are named in accordance with the current standard used by DCSF, as specified in the “NPD Alias” column in the KS2 sheet in the “NPD Data Tables” spreadsheet. The variables as supplied had different names and for reference a table linking the NPD Alias names and the supplied names is presented in Appendix B. Variable labels have been applied according to the descriptions given in the documentation tables supplied by DCSF. The information from these tables is provided in Appendix A for the variables retained on this data file. This provides descriptions of the values of categorical variables.

Three fields (k2\_vain, k2\_vaout, k2\_valas) should be available from 2002/2003 onwards, according to the DCSF documentation, but are only available from 2003/2004 in the ALSPAC extract. The documentation notes that they are “not populated in unamended outputs”. Unfortunately the version field (k2\_ver) that would indicate whether or not the 2002/2003 data are final or unamended is not present in our extract, so it is not possible to specify for certain why these three fields are empty for the 2002/2003 cohort.

In addition a small number of additional variables have been created by ALSPAC. The names of these all start “ks2” and the details are as follows:

#### Data available

An indicator variable for the availability of a Key Stage 2 record for each case.

#### School identifier

For reasons of confidentiality the official DfES school codes indicating which school each child was in cannot be made available on research data. ALSPAC has therefore derived a unique 9-digit school identifier, called ALSPSCID, from the official DfES school codes. Although schools will keep the same value of ALSPSCID across time, since children have the potential to move between schools, any indicator of which school a child is in is time

dependent. Variable KS2SCH contains the appropriate values of ALSPSCID for each child for Key Stage 2.

Note that in the event of data from a school level file (on which ALSPSCID will be the case identifier) being matched onto the Key Stage 2 data, variable KS2SCH should be temporarily renamed ALSPSCID whilst the match is being performed.

### Academic year

A numeric version of the supplied variable k2\_ac was created for consistency with other ALSPAC data files. It is called KS2YEAR and contains a coded version of the academic year as defined in Table 1.

### Age at testing

The children's dates of birth from ALSPAC's central database were used to calculate the child's age at testing in completed weeks and completed months.

The range of non-missing values of the age in months was [117, 151]. For reasons of confidentiality values of < 128 were grouped, as were values of > 140. The range of non-missing values of the age in weeks was [509, 660]. For reasons of confidentiality values of < 558 were grouped, as were values of > 610.

## **Release file version history**

### Version 1a – December 2008

The first version of the release file.

## Key Stage 2 SATS

The following information was taken from the QCA publications: 'KS2 Assessment and reporting arrangements' and 'Level threshold tables' for 2002, 2003 and 2004. It focuses on the standardised tasks and tests. The tests took place as follows:

- 2002 – Monday 13<sup>th</sup> to Friday 17<sup>th</sup> May
- 2003 – Monday 12<sup>th</sup> to Friday 16<sup>th</sup> May
- 2004 – Monday 10<sup>th</sup> to Friday 14<sup>th</sup> May

### Components of the assessments

#### English

- Reading test score
- Reading NC level
- Spelling test score
- Spelling NC level
- Handwriting test score
- Handwriting NC level
- Writing test score (2003 onwards – longer task AND shorter task)
- Writing NC level
- Extension test (Level 6 – Selected children only) score (2002 only)
- Extension test NC level
- English test score overall
- English NC level overall
- Teacher assessment level overall

#### Mathematics

- Test A score
- Mental arithmetic/mathematics test score
- Test B score
- Extension Test C score (Level 6 – Selected children only – 2002 only)
- Total score
- Mathematics NC level overall
- Teacher assessment level overall

#### Science

- Test A score
- Test B score
- Extension Test C score (Level 6 – Selected children only – 2002 only)
- Total score
- Science NC level overall
- Teacher assessment level overall



## Marking Scheme 2002

### English

- Reading test levels (*1hr*)
  - o Level 3 – 10-17 marks
  - o Level 4 – 18-31 marks
  - o Level 5 – 32-50 marks
- 2002 Writing test levels (*1hr*)
  - o Level 3 – 19-30 marks
  - o Level 4 – 31-38 marks
  - o Level 5 – 32-50 marks
- Handwriting test (2002 - Will be aggregated with the writing test marks)
  - o 2002 - Awarded 1-5 marks (1=low 5=high)
- Spelling test (*10mins*) (Will be aggregated with the writing test marks)
  - o 2002 - Awarded 1-10 marks (1=low 10=high)
- Extension test (Level 6) (*1hr*)
  - o Total of 30 marks
- English overall
  - o 'N' awarded for the test – 0-25 marks
  - o Level 2 – 26-28 marks
  - o Level 3 – 29-48 marks
  - o Level 4 – 49-70 marks
  - o Level 5 – 71-100 marks
  - o Level 6 – 23+ (on the Level 6 paper)

### Mathematics

- Test A (*45mins*)
  - o Total of 40 marks
- Test B (*45mins*)
  - o Total of 40 marks
- Mental Arithmetic test (*20mins*) (Changed to mental mathematics test in 2003)
  - o Total of 20 marks
- Extension test C (Level 6) (*30mins*)
  - o Total of 30 marks
- Mathematics overall (Mental maths – 20% of overall mark)
  - o 'N' awarded for the test – 0-17 marks
  - o Level 2 – 18-20 marks
  - o Level 3 – 21-48 marks
  - o Level 4 – 49-77 marks
  - o Level 5 – 78-100 marks
  - o Level 6 – 21+ (on the Level 6 paper)

Science

- Test A (2002 - 35mins/2003 onwards – 45mins)
  - o Total of 40 marks
- Test B (2002 - 35mins/2003 onwards – 45mins)
  - o Total of 40 marks
- Extension test C (Level 6) (30mins) – 2002 ONLY
  - o Total of 30 marks
- Science overall
  - o 'N' awarded for the test – 0-17 marks
  - o Level 2 – 18-20 marks
  - o Level 3 – 21-39 marks
  - o Level 4 – 40-63 marks
  - o Level 5 – 64-80 marks
  - o Level 6 – 21+ (on the Level 6 paper)

## Marking Scheme 2003

### English

- Reading test levels (*1hr*)
  - o Level 3 – 11-18 marks
  - o Level 4 – 19-31 marks
  - o Level 5 – 32-50 marks
- Writing test levels (*Longer task – 45mins & Shorter task – 20mins*)
  - o Longer task – out of 28 marks
  - o Shorter task – out of 12 marks
  - o Level 3 – 13-24 marks
  - o Level 4 – 25-36 marks
  - o Level 5 – 37-50 marks
- Handwriting – Awarded out of 3 marks (will be assessed as part of the longer task)
- Spelling – Awarded out of 7 (*20 words*) (will be aggregated with the writing test marks and contribute to the overall writing level awarded. They will also be aggregated with the reading and writing test marks and contribute to the overall subject award)
- English overall
  - o 'N' awarded for the test – 0-20 marks
  - o Level 2 – 21-23 marks
  - o Level 3 – 24-43 marks
  - o Level 4 – 44-68 marks
  - o Level 5 – 69-100 marks

### Mathematics

- Test A (*45mins*)
  - o Total of 40 marks
- Test B (*45mins*)
  - o Total of 40 marks
- Mental mathematics test (*20mins*) (Changed from mental arithmetic)
  - o Total of 20 marks
- Mathematics overall (Mental maths – 20% of overall mark)
  - o 'N' awarded for the test – 0-17 marks
  - o Level 2 – 18-20 marks
  - o Level 3 – 21-48 marks
  - o Level 4 – 49-77 marks
  - o Level 5 – 78-100 marks

### Science

- Test A (*45mins*)
  - o Total of 40 marks
- Test B (*45mins*)
  - o Total of 40 marks
- Science overall
  - o 'N' awarded for the test – 0-16 marks
  - o Level 2 – 17-19 marks
  - o Level 3 – 20-39 marks
  - o Level 4 – 40-62 marks
  - o Level 5 – 63-80 marks

## Marking Scheme 2004

### English

- Reading test levels (*1hr*)
  - o N – 0-11 marks
  - o Level 3 – 12-17 marks
  - o Level 4 – 18-30 marks
  - o Level 5 – 31-50 marks
- Writing test levels (*Longer task – 45mins & Shorter task – 20mins*)
  - o Longer task – out of 28 marks
  - o Shorter task – out of 12 marks
  - o N – 0-11 marks
  - o Level 3 – 12-22 marks
  - o Level 4 – 23-33 marks
  - o Level 5 – 34-50 marks
- Handwriting – Awarded out of 3 marks (will be assessed as part of the longer task)
- Spelling – Awarded out of 7 (*20 words*) (will be aggregated with the writing test marks and contribute to the overall writing level awarded. They will also be aggregated with the reading and writing test marks and contribute to the overall subject award)
- English overall
  - o 'N' awarded for the test – 0-20 marks
  - o Level 2 – 21-23 marks
  - o Level 3 – 24-40 marks
  - o Level 4 – 41-64 marks
  - o Level 5 – 65-100 marks

### Mathematics

- Test A (*45mins*)
  - o Total of 40 marks
- Test B (*45mins*)
  - o Total of 40 marks
- Mental mathematics test (*20mins*) (Changed from mental arithmetic)
  - o Total of 20 marks
- Mathematics overall (Mental maths – 20% of overall mark)
  - o 'N' awarded for the test – 0-16 marks
  - o Level 2 – 17-19 marks
  - o Level 3 – 20-47 marks
  - o Level 4 – 48-78 marks
  - o Level 5 – 79-100 marks

### Science

- Test A (*45mins*)
  - o Total of 40 marks
- Test B (*45mins*)
  - o Total of 40 marks
- Science overall
  - o 'N' awarded for the test – 0-17 marks
  - o Level 2 – 18-20 marks
  - o Level 3 – 21-38 marks
  - o Level 4 – 39-60 marks
  - o Level 5 – 61-80 marks

## Frequencies

**ks2data Key Stage 2: Data available**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Yes	16983	87.4	87.4	87.4
2 No	2452	12.6	12.6	100.0
Total	19435	100.0	100.0	

### ks2sch

Since there are 1,760 different schools a frequency table is not displayed here.

**ks2year Key Stage 2: Academic year**

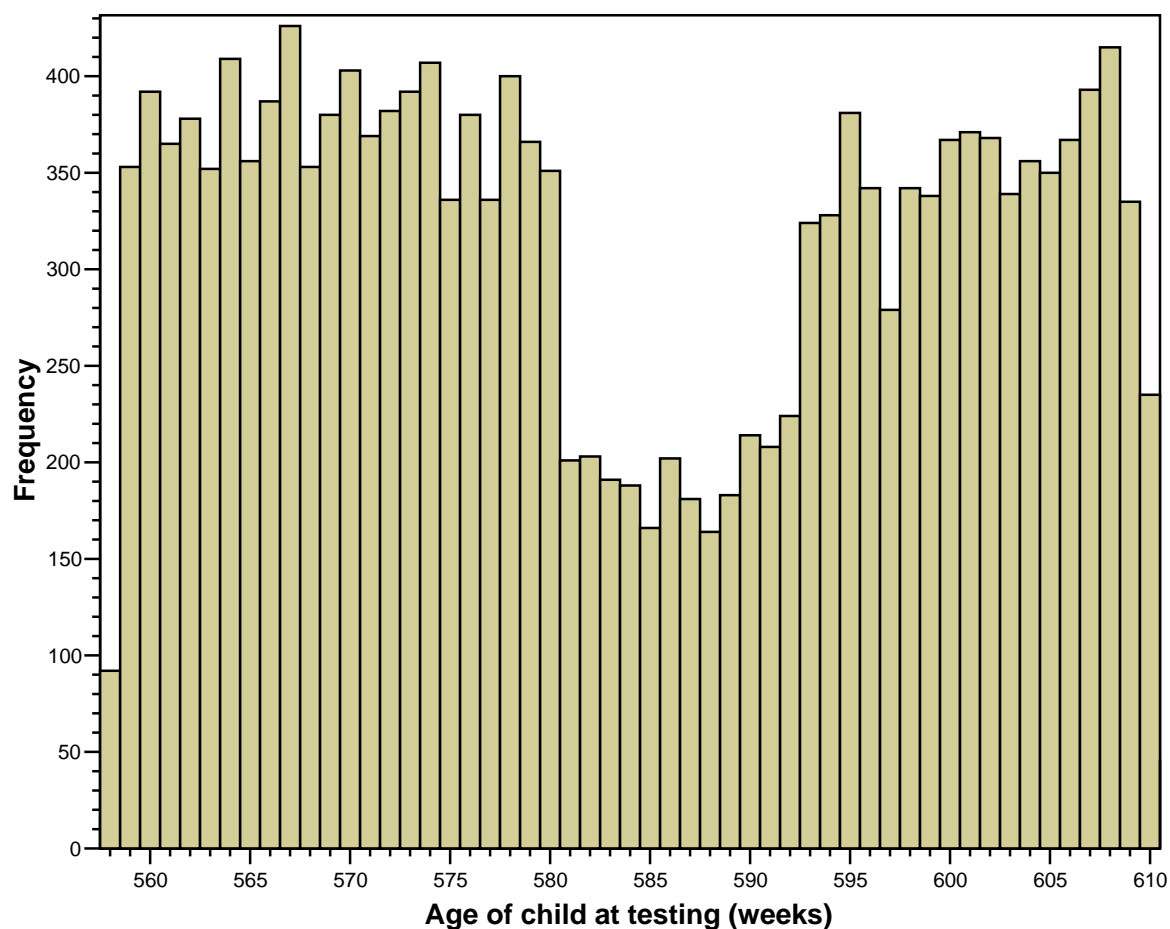
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 6 2000 / 2001	2	.0	.0	.0
7 2001 / 2002	4126	24.3	24.3	24.3
8 2002 / 2003	9705	57.1	57.1	81.5
9 2003 / 2004	3150	18.5	18.5	100.0
Total	16983	100.0	100.0	

**ks2age\_m Age of child at testing (months)**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 127 < 128	14	.1	.1	.1
128	760	4.5	4.5	4.6
129	1669	9.8	9.8	14.4
130	1636	9.6	9.6	24.0
131	1706	10.0	10.0	34.1
132	1574	9.3	9.3	43.3
133	1349	7.9	7.9	51.3
134	781	4.6	4.6	55.9
135	820	4.8	4.8	60.7
136	1286	7.6	7.6	68.3
137	1403	8.3	8.3	76.5
138	1598	9.4	9.4	85.9
139	1598	9.4	9.4	95.4
140	755	4.4	4.4	99.8
141 > 140	34	.2	.2	100.0
Total	16983	100.0	100.0	

## Key Stage 2 File – Frequencies

### ks2age\_w Key Stage 2: Age at testing (weeks)



plus the following special codes:

### ks2age\_w Age of child at testing (weeks)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	557 < 558	17	27.0	27.0	27.0
	611 > 610	46	73.0	73.0	100.0
	Total	63	100.0	100.0	

## Key Stage 2 File – Frequencies

### **k2\_type Type of establishment code taken from Edubase.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Community	10752	63.3	63.3	63.3
2 Voluntary aided	1642	9.7	9.7	73.0
3 Voluntary controlled	3684	21.7	21.7	94.7
5 Foundation	74	.4	.4	95.1
7 Community special	157	.9	.9	96.0
9 Independent approved for SEN pupils	3	.0	.0	96.1
11 Other independent	645	3.8	3.8	99.9
14 Pupil referral unit	1	.0	.0	99.9
25 Offshore schools	9	.1	.1	99.9
26 Overseas schools	14	.1	.1	100.0
Total	16981	100.0	100.0	
Missing -1 Missing	2	.0		
Total	16983	100.0		

### **k2\_amend Type of amendment made either prior to mail out or as a result of the checking exercise.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	12511	73.7	97.3	97.3
A	70	.4	.5	97.9
N	13	.1	.1	98.0
R	261	1.5	2.0	100.0
Total	12855	75.7	100.0	
Missing -6 Not collected	4128	24.3		
Total	16983	100.0		

### **k2\_land Source Country (England/Wales)**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid E	16960	99.9	99.9	99.9
O	23	.1	.1	100.0
Total	16983	100.0	100.0	

### **k2\_lang Language of School (English/Welsh)**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid E	16983	100.0	100.0	100.0

### **k2\_langm Language of Maths Teacher Assessment**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid E	16983	100.0	100.0	100.0

### **k2\_langs Language of Science Teacher Assessment**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid E	16983	100.0	100.0	100.0

## Key Stage 2 File – Frequencies

### **k2\_schrs Pupil included in school level averages.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	3150	18.5	100.0	100.0
Missing -6 Not collected	13833	81.5		
Total	16983	100.0		

### **k2\_lars Pupil included in LA averages.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	125	.7	4.0	4.0
1	3025	17.8	96.0	100.0
Total	3150	18.5	100.0	
Missing -6 Not collected	13833	81.5		
Total	16983	100.0		

### **k2\_natrs Pupil included in national averages.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	3150	18.5	100.0	100.0
Missing -6 Not collected	13833	81.5		
Total	16983	100.0		

### **k2\_elige Pupil included in the eligible pupil number for English i.e. has a test result of A, B, M, N, P, T, 2-5 or Q. It is used as the denominator for school and LA calculations of achievement in English.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	4	.0	.1	.1
1	3146	18.5	99.9	100.0
Total	3150	18.5	100.0	
Missing -6 Not collected	13833	81.5		
Total	16983	100.0		

### **k2\_eligm Pupil included in the eligible pupil number for Maths i.e. has a test result of A, B, M, N, P, T, 2-5 or Q. It is used as the denominator for school and LA calculations of achievement in Maths.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	3	.0	.1	.1
1	3147	18.5	99.9	100.0
Total	3150	18.5	100.0	
Missing -6 Not collected	13833	81.5		
Total	16983	100.0		

### **k2\_eligs Pupil included in the eligible pupil number for Science i.e. has a test result of A, B, M, N, P, T, 2-5 or Q. It is used as the denominator for school and LA calculations of achievement in Science.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	3150	18.5	100.0	100.0
Missing -6 Not collected	13833	81.5		
Total	16983	100.0		



## Key Stage 2 File – Frequencies

**k2\_vale** Pupil included in the eligible pupil number for English and does not have a missing, unmatched past or lost results i.e. has a test result of A, B, N, T, 2-5 or Q (including overseas pupils). It is used as the denominator for national calculations of ach

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	4	.0	.1	.1
	1	3146	18.5	99.9	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

**k2\_valm** Pupil included in the eligible pupil number for Maths and does not have a missing, unmatched past or lost results i.e. has a test result of A, B, N, T, 2-5 or Q (including overseas pupils). It is used as the denominator for national calculations of achie

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	4	.0	.1	.1
	1	3146	18.5	99.9	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

**k2\_vals** Pupil included in the eligible pupil number for Science and does not have a missing, unmatched past or lost results i.e. has a test result of A, B, N, T, 2-5 or Q (including overseas pupils). It is used as the denominator for national calculations of ach

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	3150	18.5	100.0	100.0
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

## Key Stage 2 File – Frequencies

### **k2\_tiere English paper sat by pupil.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	62	.4	.4	.4
35	16044	94.5	94.5	94.8
68	1	.0	.0	94.8
A	223	1.3	1.3	96.2
AB	1	.0	.0	96.2
B	460	2.7	2.7	98.9
D	64	.4	.4	99.2
E	111	.7	.7	99.9
L	1	.0	.0	99.9
M	2	.0	.0	99.9
N	1	.0	.0	99.9
T	3	.0	.0	99.9
Z	10	.1	.1	100.0
Total	16983	100.0	100.0	

### **k2\_read Marks achieved in English reading test.**

Frequency table is too long to display here and variable is string so a histogram is not possible.

### **k2\_writ Marks achieved in English writing test.**

Frequency table is too long to display here and variable is string so a histogram is not possible.

## Key Stage 2 File – Frequencies

**k2\_hwrit English Handwriting Test Mark**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	202	1.2	4.9	4.9
_NV	8	.0	.2	5.1
1	89	.5	2.2	7.2
2	918	5.4	22.2	29.5
3	1822	10.7	44.1	73.6
4	858	5.1	20.8	94.4
5	231	1.4	5.6	100.0
Total	4128	24.3	100.0	
Missing -6 Not collected	12855	75.7		
Total	16983	100.0		

**k2\_spell English Spelling Test Mark**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	200	1.2	4.8	4.8
_NV	10	.1	.2	5.1
0	41	.2	1.0	6.1
1	201	1.2	4.9	10.9
10	335	2.0	8.1	19.1
2	206	1.2	5.0	24.1
3	240	1.4	5.8	29.9
4	334	2.0	8.1	38.0
5	453	2.7	11.0	48.9
6	507	3.0	12.3	61.2
7	525	3.1	12.7	73.9
8	535	3.2	13.0	86.9
9	541	3.2	13.1	100.0
Total	4128	24.3	100.0	
Missing -6 Not collected	12855	75.7		
Total	16983	100.0		

## Key Stage 2 File – Frequencies

**k2\_tote Total marks achieved in English test (sum of reading and writing tests).**  
Frequency table is too long to display here and variable is string so a histogram is not possible.

### **k2\_extem English Extension Mark**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4017	23.7	97.3	97.3
_NV	1	.0	.0	97.3
1	1	.0	.0	97.4
10	8	.0	.2	97.6
11	6	.0	.1	97.7
12	8	.0	.2	97.9
13	15	.1	.4	98.3
14	11	.1	.3	98.5
15	6	.0	.1	98.7
16	11	.1	.3	98.9
17	7	.0	.2	99.1
18	4	.0	.1	99.2
19	1	.0	.0	99.2
2	1	.0	.0	99.2
20	1	.0	.0	99.3
23	1	.0	.0	99.3
3	1	.0	.0	99.3
4	1	.0	.0	99.3
6	6	.0	.1	99.5
7	8	.0	.2	99.7
8	1	.0	.0	99.7
9	12	.1	.3	100.0
Total	4128	24.3	100.0	
Missing -6 Not collected	12855	75.7		
Total	16983	100.0		

### **k2\_levr National Curriculum level awarded for English reading test (forms half of overall English test).**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	38	.2	.2	.2
_X	35	.2	.2	.4
3	1660	9.8	9.8	10.2
4	6803	40.1	40.1	50.3
5	7106	41.8	41.8	92.1
A	196	1.2	1.2	93.3
B	481	2.8	2.8	96.1
D	50	.3	.3	96.4
L	1	.0	.0	96.4
M	2	.0	.0	96.4
N	599	3.5	3.5	99.9
T	3	.0	.0	99.9
Z	9	.1	.1	100.0
Total	16983	100.0	100.0	

## Key Stage 2 File – Frequencies

**k2\_levwr National Curriculum level awarded for English writing test  
(forms half of overall English test).**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	38	.2	.2	.2
_X	40	.2	.2	.5
3	5155	30.4	30.4	30.8
4	7634	45.0	45.0	75.8
5	2584	15.2	15.2	91.0
8	1	.0	.0	91.0
A	201	1.2	1.2	92.2
B	481	2.8	2.8	95.0
D	50	.3	.3	95.3
L	1	.0	.0	95.3
M	3	.0	.0	95.3
N	783	4.6	4.6	99.9
T	3	.0	.0	99.9
Z	9	.1	.1	100.0
Total	16983	100.0	100.0	

**k2\_engta National Curriculum level awarded for English Teacher  
Assessment.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	154	.9	.9	.9
_X	123	.7	.7	1.6
1	130	.8	.8	2.4
2	817	4.8	4.8	7.2
3	3427	20.2	20.2	27.4
4	8349	49.2	49.2	76.5
5	3785	22.3	22.3	98.8
6	14	.1	.1	98.9
A	11	.1	.1	99.0
D	20	.1	.1	99.1
L	3	.0	.0	99.1
M	1	.0	.0	99.1
W	85	.5	.5	99.6
Z	64	.4	.4	100.0
Total	16983	100.0	100.0	

## Key Stage 2 File – Frequencies

**k2\_maine English Main Test Level**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	12	.1	.1	.1
_X	11	.1	.1	.1
2	183	1.1	1.1	1.2
3	2759	16.2	16.2	17.5
4	8186	48.2	48.2	65.7
5	4652	27.4	27.4	93.1
A	224	1.3	1.3	94.4
B	491	2.9	2.9	97.3
D	76	.4	.4	97.7
M	5	.0	.0	97.7
N	378	2.2	2.2	100.0
T	2	.0	.0	100.0
Z	4	.0	.0	100.0
Total	16983	100.0	100.0	

**k2\_leve National Curriculum level awarded for English test.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	.0	.0	.0
_X	4	.0	.0	.0
2	182	1.1	1.1	1.1
3	2740	16.1	16.1	17.2
4	8196	48.3	48.3	65.5
5	4668	27.5	27.5	93.0
6	1	.0	.0	93.0
A	223	1.3	1.3	94.3
B	490	2.9	2.9	97.2
D	91	.5	.5	97.7
M	4	.0	.0	97.8
N	375	2.2	2.2	100.0
T	2	.0	.0	100.0
Z	4	.0	.0	100.0
Total	16983	100.0	100.0	

**k2\_extel English Extension Test Level**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4127	24.3	100.0	100.0
6	1	.0	.0	100.0
Total	4128	24.3	100.0	
Missing -6 Not collected	12855	75.7		
Total	16983	100.0		

## Key Stage 2 File – Frequencies

### **k2\_tierm Maths paper sat by pupil.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	64	.4	.4	.4
35	16036	94.4	94.4	94.8
6	1	.0	.0	94.8
A	255	1.5	1.5	96.3
B	376	2.2	2.2	98.5
D	61	.4	.4	98.9
E	175	1.0	1.0	99.9
L	2	.0	.0	99.9
M	1	.0	.0	99.9
T	1	.0	.0	99.9
Z	11	.1	.1	100.0
Total	16983	100.0	100.0	

### **k2\_pap1m Marks achieved in Paper A of Maths test.**

Frequency table is too long to display here and variable is string so a histogram is not possible.

### **k2\_pap2m Marks achieved in Paper B of Maths test.**

Frequency table is too long to display here and variable is string so a histogram is not possible.

## Key Stage 2 File – Frequencies

**k2\_marit** Marks achieved in mental arithmetic paper of Maths test.

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	207	1.2	1.2	1.2
_NV	423	2.5	2.5	3.7
0	74	.4	.4	4.1
00	2	.0	.0	4.2
01	8	.0	.0	4.2
02	20	.1	.1	4.3
03	16	.1	.1	4.4
04	24	.1	.1	4.6
05	15	.1	.1	4.6
06	21	.1	.1	4.8
07	29	.2	.2	4.9
08	33	.2	.2	5.1
09	38	.2	.2	5.4
1	161	.9	.9	6.3
10	890	5.2	5.2	11.5
11	910	5.4	5.4	16.9
12	983	5.8	5.8	22.7
13	1030	6.1	6.1	28.8
14	1038	6.1	6.1	34.9
15	1131	6.7	6.7	41.5
16	1126	6.6	6.6	48.2
17	1204	7.1	7.1	55.2
18	1184	7.0	7.0	62.2
19	1151	6.8	6.8	69.0
2	250	1.5	1.5	70.5
20	938	5.5	5.5	76.0
3	346	2.0	2.0	78.0
4	415	2.4	2.4	80.5
5	496	2.9	2.9	83.4
6	572	3.4	3.4	86.8
7	613	3.6	3.6	90.4
8	726	4.3	4.3	94.6
9	783	4.6	4.6	99.3
A	39	.2	.2	99.5
B	74	.4	.4	99.9
L	1	.0	.0	99.9
T	1	.0	.0	99.9
Z	11	.1	.1	100.0
Total	16983	100.0	100.0	

**k2\_totm** Total marks achieved in Maths test (sum of Paper A, Paper B and mental arithmetic tests).

Frequency table is too long to display here and variable is string so a histogram is not possible.



## Key Stage 2 File – Frequencies

### k2\_extmm Maths Extension Mark

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3953	23.3	95.8	95.8
0	6	.0	.1	95.9
1	3	.0	.1	96.0
10	7	.0	.2	96.1
11	7	.0	.2	96.3
12	8	.0	.2	96.5
13	11	.1	.3	96.8
14	12	.1	.3	97.1
15	11	.1	.3	97.3
16	6	.0	.1	97.5
17	5	.0	.1	97.6
18	6	.0	.1	97.7
19	4	.0	.1	97.8
2	6	.0	.1	98.0
20	6	.0	.1	98.1
21	6	.0	.1	98.3
22	3	.0	.1	98.4
23	10	.1	.2	98.6
25	2	.0	.0	98.6
27	2	.0	.0	98.7
29	1	.0	.0	98.7
3	7	.0	.2	98.9
4	9	.1	.2	99.1
5	6	.0	.1	99.2
6	12	.1	.3	99.5
7	5	.0	.1	99.7
8	3	.0	.1	99.7
9	11	.1	.3	100.0
Total	4128	24.3	100.0	
Missing -6 Not collected	12855	75.7		
Total	16983	100.0		

### k2\_matta National Curriculum level awarded for Maths Teacher Assessment.

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	154	.9	.9	.9
_X	144	.8	.8	1.8
1	111	.7	.7	2.4
2	692	4.1	4.1	6.5
3	3206	18.9	18.9	25.4
4	7903	46.5	46.5	71.9
5	4531	26.7	26.7	98.6
6	46	.3	.3	98.8
A	12	.1	.1	98.9
D	16	.1	.1	99.0
L	5	.0	.0	99.0
M	1	.0	.0	99.0
W	87	.5	.5	99.6
Z	75	.4	.4	100.0
Total	16983	100.0	100.0	

## Key Stage 2 File – Frequencies

**k2\_mainm Maths Main Test Level**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	32	.2	.2	.2
_X	11	.1	.1	.3
2	190	1.1	1.1	1.4
3	3243	19.1	19.1	20.5
4	7413	43.6	43.6	64.1
5	5020	29.6	29.6	93.7
A	262	1.5	1.5	95.2
B	403	2.4	2.4	97.6
D	75	.4	.4	98.0
M	2	.0	.0	98.0
N	328	1.9	1.9	100.0
T	1	.0	.0	100.0
X	1	.0	.0	100.0
Z	2	.0	.0	100.0
Total	16983	100.0	100.0	

**k2\_levm National Curriculum level awarded for Maths test.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	.0	.0	.0
_X	27	.2	.2	.2
2	189	1.1	1.1	1.3
3	3235	19.0	19.0	20.3
4	7419	43.7	43.7	64.0
5	4999	29.4	29.4	93.4
6	24	.1	.1	93.6
A	264	1.6	1.6	95.1
B	403	2.4	2.4	97.5
D	87	.5	.5	98.0
M	3	.0	.0	98.0
N	328	1.9	1.9	100.0
T	1	.0	.0	100.0
X	1	.0	.0	100.0
Z	2	.0	.0	100.0
Total	16983	100.0	100.0	

**k2\_extm1 Maths Extension Test Level**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4104	24.2	99.4	99.4
6	24	.1	.6	100.0
Total	4128	24.3	100.0	
Missing -6 Not collected	12855	75.7		
Total	16983	100.0		

## Key Stage 2 File – Frequencies

### **k2\_tiers Science paper sat by pupil.**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	84	.5	.5	.5
35	16350	96.3	96.3	96.8
A	219	1.3	1.3	98.1
B	195	1.1	1.1	99.2
D	50	.3	.3	99.5
E	63	.4	.4	99.9
L	1	.0	.0	99.9
M	6	.0	.0	99.9
T	1	.0	.0	99.9
X	2	.0	.0	99.9
Z	12	.1	.1	100.0
Total	16983	100.0	100.0	

### **k2\_papas Marks achieved in Paper A of Science test.**

Frequency table is too long to display here and variable is string so a histogram is not possible.

### **k2\_papbs Marks achieved in Paper B of Science test.**

Frequency table is too long to display here and variable is string so a histogram is not possible.

### **k2\_tots Total marks achieved in Science test (sum of Paper A and Paper B tests).**

Frequency table is too long to display here and variable is string so a histogram is not possible.

### **k2\_extsm Science Extension Mark**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4065	23.9	98.5	98.5
10	9	.1	.2	98.7
11	4	.0	.1	98.8
12	7	.0	.2	99.0
13	5	.0	.1	99.1
14	2	.0	.0	99.1
15	5	.0	.1	99.2
16	3	.0	.1	99.3
17	5	.0	.1	99.4
18	3	.0	.1	99.5
19	2	.0	.0	99.6
20	1	.0	.0	99.6
21	2	.0	.0	99.6
24	1	.0	.0	99.7
6	1	.0	.0	99.7
7	3	.0	.1	99.8
8	5	.0	.1	99.9
9	5	.0	.1	100.0
Total	4128	24.3	100.0	
Missing -6 Not collected	12855	75.7		
Total	16983	100.0		

## Key Stage 2 File – Frequencies

### k2\_scita National Curriculum level awarded for Science Teacher Assessment.

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	178	1.0	1.0	1.0
_X	128	.8	.8	1.8
1	79	.5	.5	2.3
2	381	2.2	2.2	4.5
3	2532	14.9	14.9	19.4
4	8463	49.8	49.8	69.3
5	5021	29.6	29.6	98.8
6	8	.0	.0	98.9
A	11	.1	.1	98.9
D	14	.1	.1	99.0
L	3	.0	.0	99.0
M	1	.0	.0	99.0
W	85	.5	.5	99.5
Z	79	.5	.5	100.0
Total	16983	100.0	100.0	

### k2\_mains Science Main Test Level

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	35	.2	.2	.2
_X	11	.1	.1	.3
2	47	.3	.3	.5
3	1497	8.8	8.8	9.4
4	7682	45.2	45.2	54.6
5	7150	42.1	42.1	96.7
A	217	1.3	1.3	98.0
B	222	1.3	1.3	99.3
D	64	.4	.4	99.7
M	4	.0	.0	99.7
N	51	.3	.3	100.0
T	1	.0	.0	100.0
Z	2	.0	.0	100.0
Total	16983	100.0	100.0	

## Key Stage 2 File – Frequencies

### k2\_levs National Curriculum level awarded for Science test.

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	.0	.0	.0
_X	23	.1	.1	.1
2	47	.3	.3	.4
3	1498	8.8	8.8	9.2
4	7682	45.2	45.2	54.5
5	7154	42.1	42.1	96.6
6	3	.0	.0	96.6
A	218	1.3	1.3	97.9
B	221	1.3	1.3	99.2
D	77	.5	.5	99.7
M	5	.0	.0	99.7
N	51	.3	.3	100.0
T	1	.0	.0	100.0
Z	2	.0	.0	100.0
Total	16983	100.0	100.0	

### k2\_extsl Science Extension Test Level

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4125	24.3	99.9	99.9
6	3	.0	.1	100.0
Total	4128	24.3	100.0	
Missing -6 Not collected	12855	75.7		
Total	16983	100.0		

## Key Stage 2 File – Frequencies

### **k2\_lev4e Achieved Level 4 or above in KS2 English.**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	562	3.3	17.8	17.8
	1	2588	15.2	82.2	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

### **k2\_lev4m Achieved Level 4 or above in KS2 Maths.**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	659	3.9	20.9	20.9
	1	2491	14.7	79.1	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

### **k2\_lev4s Achieved Level 4 or above in KS2 Science.**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	346	2.0	11.0	11.0
	1	2804	16.5	89.0	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

### **k2\_lev5e Achieved Level 5 in KS2 English.**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	2070	12.2	65.7	65.7
	1	1080	6.4	34.3	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

### **k2\_lev5m Achieved Level 5 in KS2 Maths.**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1989	11.7	63.1	63.1
	1	1161	6.8	36.9	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

### **k2\_lev5s Achieved Level 5 in KS2 Science.**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1560	9.2	49.5	49.5
	1	1590	9.4	50.5	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

## Key Stage 2 File – Frequencies

**k2\_totps** Total KS2 point score as used in the valued added calculations.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	25	.1	.8	.8
	15	2	.0	.1	.9
	21	5	.0	.2	1.0
	27	4	.0	.1	1.1
	30	2	.0	.1	1.2
	33	2	.0	.1	1.3
	36	3	.0	.1	1.4
	42	10	.1	.3	1.7
	45	49	.3	1.6	3.2
	48	5	.0	.2	3.4
	51	39	.2	1.2	4.6
	54	5	.0	.2	4.8
	57	64	.4	2.0	6.8
	60	7	.0	.2	7.0
	63	100	.6	3.2	10.2
	66	6	.0	.2	10.4
	69	165	1.0	5.2	15.7
	75	301	1.8	9.6	25.2
	81	596	3.5	18.9	44.1
	87	505	3.0	16.0	60.2
	93	531	3.1	16.9	77.0
	99	724	4.3	23.0	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

**k2\_slden** Number of subjects in which the pupil contributes to the average point score at school level.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	25	.1	.8	.8
	1	13	.1	.4	1.2
	2	38	.2	1.2	2.4
	3	3074	18.1	97.6	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

**k2\_nden** Number of subjects in which the pupil contributes to the average point score at national level.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	25	.1	.8	.8
	1	13	.1	.4	1.2
	2	38	.2	1.2	2.4
	3	3074	18.1	97.6	100.0
	Total	3150	18.5	100.0	
Missing	-6 Not collected	13833	81.5		
Total		16983	100.0		

## Key Stage 2 File – Frequencies

**k2\_vain KS1 average point score used as the input measure in the calculation of value added. N.B. Not populated in Unamended data outputs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	6	.0	.2	.2
	3	26	.2	.8	1.0
	5	26	.2	.8	1.9
	6	2	.0	.1	2.0
	7	33	.2	1.1	3.0
	8	24	.1	.8	3.8
	9	62	.4	2.0	5.8
	10	84	.5	2.7	8.6
	11	109	.6	3.6	12.1
	12	52	.3	1.7	13.8
	13	299	1.8	9.8	23.6
	14	220	1.3	7.2	30.8
	15	454	2.7	14.8	45.6
	16	212	1.2	6.9	52.5
	17	390	2.3	12.7	65.2
	18	207	1.2	6.8	72.0
	19	581	3.4	18.9	90.9
	21	272	1.6	8.9	99.8
	23	5	.0	.2	99.9
	25	2	.0	.1	100.0
	Total	3066	18.1	100.0	
Missing	-6 Not collected	4128	24.3		
	-1 Missing	9789	57.6		
	Total	13917	81.9		
Total		16983	100.0		

**k2\_vaout KS2 average point score used as the output measure in the calculation of value added. N.B. Not populated in Unamended data outputs**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	15	50	.3	1.6	1.6
	17	38	.2	1.2	2.9
	18	3	.0	.1	3.0
	19	62	.4	2.0	5.0
	21	109	.6	3.6	8.6
	23	162	1.0	5.3	13.9
	24	5	.0	.2	14.1
	25	295	1.7	9.7	23.8
	27	594	3.5	19.5	43.3
	29	496	2.9	16.3	59.6
	30	5	.0	.2	59.8
	31	514	3.0	16.9	76.7
	33	709	4.2	23.3	100.0
	Total	3042	17.9	100.0	
Missing	-6 Not collected	4128	24.3		
	-1 Missing	9813	57.8		
	Total	13941	82.1		
Total		16983	100.0		



## Key Stage 2 File – Frequencies

**k2\_medps** Median KS2 average point score for the KS1 bin which the pupil's KS1 average point score falls into. N.B. Not populated in Unamended data outputs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	15	20	.1	.7	.7
	17	17	.1	.6	1.2
	19	25	.1	.8	2.0
	21	121	.7	3.9	6.0
	23	83	.5	2.7	8.7
	25	458	2.7	14.9	23.6
	27	674	4.0	22.0	45.6
	29	602	3.5	19.6	65.2
	31	207	1.2	6.8	72.0
	33	859	5.1	28.0	100.0
	Total	3066	18.1	100.0	
Missing	-6 Not collected	13833	81.5		
	-1 Missing	84	.5		
	Total	13917	81.9		
Total		16983	100.0		

**k2\_valas** Value added score - calculated as the distance between the pupil's actual KS2 average point score (VAOUTPUT) and the median KS2 average point score (MEDIAN). N.B. Not populated in Unamended data outputs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	-10	5	.0	.2	.2
	-9	1	.0	.0	.2
	-8	12	.1	.4	.6
	-7	1	.0	.0	.6
	-6	85	.5	2.8	3.4
	-4	253	1.5	8.3	11.7
	-3	5	.0	.2	11.9
	-2	672	4.0	22.1	34.0
	-1	3	.0	.1	34.1
	0	1199	7.1	39.4	73.5
	1	2	.0	.1	73.6
	2	508	3.0	16.7	90.3
	3	1	.0	.0	90.3
	4	242	1.4	8.0	98.3
	6	48	.3	1.6	99.8
	8	3	.0	.1	99.9
	10	2	.0	.1	100.0
	Total	3042	17.9	100.0	
Missing	-106 Not collected	4128	24.3		
	-101 Missing	9813	57.8		
	Total	13941	82.1		
Total		16983	100.0		



## Appendix A: DCSF Variable Documentation

This Appendix contains the supplied DCSF documentation for the Key Stage 2 fields that are presented on this data file.

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_stype	ToE_CODE	Type of establishment code taken from Edubase.	1995/96 -	0 = Not a school 1 = Community 2 = Voluntary aided 3 = Voluntary controlled 5 = Foundation 6 = City Technology College 7 = Community Special 8 = Non-Maintained Special 9 = Independent School Approved for SEN Pupils 10 = Other Independent Special School 11 = Other Independent 12 = Foundation Special 14 = Pupil Referral Unit 15 = LA Nursery School 17 = European Schools 18 = Further Education 22 = EY Setting 23 = Playing for Success Centres 24 = Secure Units 25 = Offshore Schools 26 = Overseas Schools 27 = Miscellaneous 28 = Academies 29 = Higher Education Institutions 30 = Welsh Establishment 31 = Sixth Form Centres

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_amend	AMEND	Type of amendment made either prior to mail out or as a result of the checking exercise.	2002/03 - 2005/06	<p><b>Candidate level amendment flag (AMEND/AMDFLAG)</b></p> <p>Blank = Unamended  A = Pupil details amended  CL = Claimed Internally – Pupil is shown twice at same school and this pupil is incorrect  D = Deleted  E = At end of course of study (forced in)  F = Refugee flag  IN = Internal Claim – Pupil is shown twice at same school, but this pupil is the correct one  J = Contingency flag (like Foot &amp; Mouth)  N = New entry  NR = Pupil was not on roll at school at time of tests  TI = Transferred In - Pupil has been transferred in from another school  TO = Transferred Out - Pupil has been claimed by another school  TX = Pupil has been counted twice (not currently transferred out or sixth form centre)  W = Withdrawn  X = Change rejected  Z = Pupil not at end of Key Stage (forced out)</p> <p><b>Result level amendment flag (AMDFLAG)</b></p> <p>D = Deleted  R = Results amended  A = Grade Amended  N = New entry  TI = Transferred In - Results have been claimed from another student at same school.  IN = Internal Claim – Pupil is shown twice at same school, claim this result from another student.  CL = Claimed Internally – Transfer of result to another student.  W = Withdrawn</p>
k2_land	SOURCECTY	Source Country (England/Wales)	1995/96 - 2004/05	<p>E = England  W = Wales  O = Other</p>

## Key Stage 2 – Appendix A

<b>NPD Alias</b>	<b>NPD Field Reference</b>	<b>Description</b>	<b>Years Populated</b>	<b>Values</b>
k2_lang	LANGSCH	Language of School (English/Welsh)	1995/96 - 2004/05	E = English W = Welsh
k2_langm	LANGMATTA	Language of Maths Teacher Assessment	1995/96 - 2004/05	C = Welsh E = English M = Mixed
k2_langs	LANGSCITA	Language of Science Teacher Assessment	1995/96 - 2004/05	C = Welsh E = English M = Mixed
k2_schrs	SCHRES	Pupil included in school level averages.	2003/04 -	0 = No 1 = Yes
k2_lars	LARES	Pupil included in LA averages.	2003/04 -	0 = No 1 = Yes
k2_natrs	NATRES	Pupil included in national averages.	2003/04 -	0 = No 1 = Yes
k2_elige	ELIGENG	Pupil included in the eligible pupil number for English i.e. has a test result of A, B, M, N, P, T, 2-5 or Q. It is used as the denominator for school and LA calculations of achievement in English.	2003/04 -	0 = No 1 = Yes
k2_eligm	ELIGMAT	Pupil included in the eligible pupil number for Maths i.e. has a test result of A, B, M, N, P, T, 2-5 or Q. It is used as the denominator for school and LA calculations of achievement in Maths.	2003/04 -	0 = No 1 = Yes
k2_eligs	ELIGSCI	Pupil included in the eligible pupil number for Science i.e. has a test result of A, B, M, N, P, T, 2-5 or Q. It is used as the denominator for school and LA calculations of achievement in Science.	2003/04 -	0 = No 1 = Yes

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_vale	VALENG	Pupil included in the eligible pupil number for English and does not have a missing, unmatched past or lost results i.e. has a test result of A, B, N, T, 2-5 or Q (including overseas pupils). It is used as the denominator for national calculations of ach	2003/04 -	0 = No 1 = Yes
k2_valm	VALMAT	Pupil included in the eligible pupil number for Maths and does not have a missing, unmatched past or lost results i.e. has a test result of A, B, N, T, 2-5 or Q (including overseas pupils). It is used as the denominator for national calculations of achie	2003/04 -	0 = No 1 = Yes
k2_vals	VALSCI	Pupil included in the eligible pupil number for Science and does not have a missing, unmatched past or lost results i.e. has a test result of A, B, N, T, 2-5 or Q (including overseas pupils). It is used as the denominator for national calculations of ach	2003/04 -	0 = No 1 = Yes
k2_tiere	ENGTIER	English paper sat by pupil.	1998/99 -	0 2 35 = Tiers 3 - 5 46 = Tiers 4 - 6 A = Absent B = Below level of test D = Disapplied E = Extension Paper L = Left M = Missing Z = Pupils who registered but are ineligible _X = Invalid Code entered

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_read	ENGREADMRK	Marks achieved in English reading test.	1995/96 -	0 - 50 A = Absent M = Missing IN = Invalid _NV = Null value entered
k2_writ	ENGWRITMRK	Marks achieved in English writing test.	1995/96 -	0 - 50 A = Absent M = Missing IN = Invalid _NV = Null value entered
k2_hwrit	ENGHNDWRMRK	English Handwriting Test Mark	1995/96 - 2001/02	0 - 5 _NV = Null value entered
k2_spell	ENGSPELLMRK	English Spelling Test Mark	1995/96 - 2001/02	0 - 10 _NV = Null value entered
k2_tote	ENGTOTMRK	Total marks achieved in English test (sum of reading and writing tests).	1995/96 -	0 - 115 (0 - 100 from 2002/03 onwards) A = Absent M = Missing IN = Invalid _NV = Null value entered
k2_extem	ENGEXTMRK	English Extension Mark	1995/96 - 2001/02	0 - 34 _NV = Null Value entered
k2_levr	ENGREADLEV	National Curriculum level awarded for English reading test (forms half of overall English test).	1998/99 -	3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 A = Absent B = Working below the level assessed by the tests D = Disapplied F = KS2 pupil not at end of KS2 and taking this subject in future years L = Left M = Missing N = No test level award

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_levwr	ENGWRITLEV	National Curriculum level awarded for English writing test (forms half of overall English test).	1998/99 -	3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 A = Absent B = Working below the level assessed by the tests D = Disapplied F = KS2 pupil not at end of KS2 and taking this subject in future years L = Left M = Missing N = No test level award
k2_engta	ENGTALEV	National Curriculum level awarded for English Teacher Assessment.	1995/96 -	1 = Achieved Level 1 2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 6 = Achieved Level 6 A = Absent D = Disapplied F = KS2 pupil not at end of KS2 and taking this subject in future years L = Left M = Missing N = No tes



## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_mainie	ENGMAINLEV	English Main Test Level	1995/96 - 2004/05	2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 A = Absent B = Below level of test D = Disapplied L = Left M = Missing N = No test level awarded Q = Malpractice X = Not entered for test Z = Pupils who registered but ar
k2_leve	ENGLEV	National Curriculum level awarded for English test.	1995/96 -	1 = Achieved Level 1 2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 6 = Achieved Level 6 A = Absent B = Working below the level assessed by the test D = Disapplied F = KS2 pupil not at end of KS2 and taking this subjec
k2_extel	ENGEXTLEV	English Extension Test Level	1995/96 - 2001/02	6 _X = Invalid Code entered

# Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_tierm	MATTIER	Maths paper sat by pupil.	1998/99 -	1 2 4 5 8 35 A = Absent B = Below level of test D = Disapplied E = Extension Paper L = Left M = Missing N = No test level awarded Z = Pupils who registered but are ineligible _X = Invalid Code entered
k2_pap1m	MATTESTAMRK	Marks achieved in Paper A of Maths test.	1995/96 -	0 - 40 A = Absent M = Missing IN = Invalid _NV = Null Value entered
k2_pap2m	MATTESTBMRK	Marks achieved in Paper B of Maths test.	1995/96 -	0 - 40 A = Absent M = Missing IN = Invalid _NV = Null Value entered
k2_marit	MATARTHMRK	Marks achieved in mental arithmetic paper of Maths test.	1997/98 -	0 - 20 A = Absent M = Missing IN = Invalid _NV = Null Value entered

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_totm	MATTOTMRK	Total marks achieved in Maths test (sum of Paper A, Paper B and mental arithmetic tests).	1995/96 -	0 - 100 A = Absent M = Missing IN = Invalid _NV = Null Value entered
k2_extmm	MATEXTMRK	Maths Extension Mark	1995/96 - 2001/02	0 - 30 _NV = Null Value entered
k2_matta	MATTALEV	National Curriculum level awarded for Maths Teacher Assessment.	1995/96 -	1 = Achieved Level 1 2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 6 = Achieved Level 6 A = Absent D = Disapplied F = KS2 pupil not at end of KS2 and taking this subject in future years L = Left M = Missing N = No tes
k2_mainm	MATMAINLEV	Maths Main Test Level	1995/96 - 2004/05	2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 A = Absent B = Below level of test D = Disapplied L = Left M = Missing N = No test level awarded Q = Malpractice X = Not entered for test Z = Pupils who registered but ar

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_levm	MATLEV	National Curriculum level awarded for Maths test.	1995/96 -	1 = Achieved Level 1 2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 6 = Achieved Level 6 A = Absent B = Working below the level assessed by the test D = Disapplied F = KS2 pupil not at end of KS2 and taking this subject
k2_extml	MATEXTLEV	Maths Extension Test Level	1995/96 - 2001/02	6 _X = Invalid Code entered
k2_tiers	SCITIER	Science paper sat by pupil.	1998/99 -	2 = Tier 2 35 = Tiers 3 to 5 A = Absent B = Working below level of test D = Disapplied E = Extension Paper F = Taking test in a future year L = Left M = Missing P = Took test in a previous year T = Unable to access test Z = Ineligible IN = Invalid _X = In
k2_papas	SCITESTAMRK	Marks achieved in Paper A of Science test.	1995/96 -	0 - 40 A = Absent M = Missing _NV = Null Value entered

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_papbs	SCITESTBMRK	Marks achieved in Paper B of Science test.	1995/96 -	0 - 40 A = Absent M = Missing _NV = Null Value entered
k2_tots	SCITOTMRK	Total marks achieved in Science test (sum of Paper A and Paper B tests).	1995/96 -	0 - 80 A = Absent M = Missing _NV = Null Value entered
k2_extsm	SCIEXTMRK	Science Extension Mark	1995/96 - 2001/02	0 - 30 _NV = Null Value entered
k2_scita	SCITALEV	National Curriculum level awarded for Science Teacher Assessment.	1995/96 -	1 = Achieved Level 1 2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 6 = Achieved Level 6 A = Absent D = Disapplied F = KS2 pupil not at end of KS2 and taking this subject in future years L = Left M = Missing N = No tes

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_mains	SCIMAINLEV	Science Main Test Level	1995/96 - 2004/05	2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 A = Absent B = Below level of test D = Disapplied L = Left M = Missing N = No test level awarded Q = Malpractice Z = Pupils who registered but are ineligible _X = Invalid
k2_levs	SCILEV	National Curriculum level awarded for Science test.	1995/96 -	1 = Achieved Level 1 2 = Achieved Level 2 3 = Achieved Level 3 4 = Achieved Level 4 5 = Achieved Level 5 6 = Achieved Level 6 A = Absent B = Working below the level assessed by the test D = Disapplied F = KS2 pupil not at end of KS2 and taking this subject
k2_extsl	SCIEXTLEV	Science Extension Test Level	1995/96 - 2001/02	6 _X = Invalid Code entered
k2_lev4e	LEVXENG	Achieved Level 4 or above in KS2 English.	2003/04 -	0 = No 1 = Yes
k2_lev4m	LEVXMAT	Achieved Level 4 or above in KS2 Maths.	2003/04 -	0 = No 1 = Yes
k2_lev4s	LEVXSCI	Achieved Level 4 or above in KS2 Science.	2003/04 -	0 = No 1 = Yes

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_lev5e	LEVAXENG	Achieved Level 5 in KS2 English.	2003/04 -	0 = No 1 = Yes
k2_lev5m	LEVAXMAT	Achieved Level 5 in KS2 Maths.	2003/04 -	0 = No 1 = Yes
k2_lev5s	LEVAXSCI	Achieved Level 5 in KS2 Science.	2003/04 -	0 = No 1 = Yes
k2_totps	TOTPTS	Total KS2 point score as used in the valued added calculations.	2003/04 -	0 - 99
k2_slden	APSDENS	Number of subjects in which the pupil contributes to the average point score at school level.	2003/04 -	0 - 3
k2_nden	APSDENN	Number of subjects in which the pupil contributes to the average point score at national level.	2003/04 -	0 - 3
k2_vain	VAINPUT	KS1 average point score used as the input measure in the calculation of value added. N.B. Not populated in Unamended data outputs	2002/03 - 2005/06	Point Score – All Subjects 4+ = 27 3 = 21 2A = 17 2B = 15 2C = 13 1 = 9 Working towards level 1 (W) = 3 Absent (A) – Disregard Disapplied (D) – Disregard Missing (M) - Disregard (0.0 - 27.0)

## Key Stage 2 – Appendix A

NPD Alias	NPD Field Reference	Description	Years Populated	Values
k2_vaout	VAOUTPUT	KS2 average point score used as the output measure in the calculation of value added. N.B. Not populated in Unamended data outputs	2002/03 - 2005/06	Point Score – All Subjects 5 = 33 4 = 27 3 = 21 Compensatory 2 = 15 Below the level assessed by the test (B) = 15 Not awarded test level (N) = 15 Unable - access test (T), (or Disapplied (D) for KS2-KS3 VA) - Disregard Absent (A) – Disregard Missing (M) –
k2_medps	MEDIAN	Median KS2 average point score for the KS1 bin which the pupil's KS1 average point score falls into. N.B. Not populated in Unamended data outputs	2003/04 - 2005/06	0.0 - 33.0
k2_valas	VASCOREP	Value added score - calculated as the distance between the pupil's actual KS2 average point score (VAOUTPUT) and the median KS2 average point score (MEDIAN). N.B. Not populated in Unamended data outputs	2002/03 - 2005/06	0.0 - 16.0 and -1 - -18



## Appendix B: Changes to Variable Names

As described in the introduction, the supplied variable names have been changed to the NPD Aliases for the fields as shown below.

NPD Alias	Supplied name
k2_stype	k2_stype
k2_land	k2land
k2_lang	k2_lang
k2_langm	k2_ma
k2_langs	k2_sc
k2_schrs	k2schres
k2_lars	k2leares
k2_natrs	k2natres
k2_elige	k2engelr
k2_eligm	k2matelr
k2_eligs	k2scielr
k2_vale	k2engvar
k2_valm	k2matvar
k2_vals	k2scivar
k2_tiere	tier_2e
k2_read	reading
k2_writ	writing
k2_hwrit	hwriting
k2_spell	spelling
k2_tote	tot_2e
k2_extem	ext_2e
k2_levr	k2lev_r
k2_levwr	k2lev_wr
k2_engta	k2eng_ta
k2_maine	main_2e
k2_leve	k2lev_e
k2_extel	extlev2e
k2_tierm	tier_2m
k2_pap1m	pap1_m
k2_pap2m	pap2_m
k2_marit	mastat2
k2_totm	tot_2m
k2_extmm	ext_2m
k2_matta	k2mat_ta
k2_mainm	main_2m
k2_levm	k2lev_m
k2_extml	extlev2m

NPD Alias	Supplied name
k2_tiers	tier_2s
k2_papas	papa_2s
k2_papbs	papb_2s
k2_tots	tot_2s
k2_extsm	ext_2s
k2_scita	k2sci_ta
k2_mains	main_2s
k2_levs	k2lev_s
k2_extsl	extlev2s
k2_lev4e	k2engl4
k2_lev4m	k2matl4
k2_lev4s	k2scil4
k2_lev5e	k2engl5
k2_lev5m	k2matl5
k2_lev5s	k2scil5
k2_totps	k2totps
k2_sliden	k2slapsd
k2_nden	k2napsd
k2_vain	k2vainpm
k2_vaout	k2vaoutm
k2_medps	k2medps
k2_valas	k2valas
k2_amend	k2_amend