Provision of GCSE subjects 2012

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Please note that this is a revised version of the report. An error was found in the calculation of the school attainment groups in the original version.

Introduction

This report looks at the provision of GCSE subjects in England in 2012. Provision is defined as the number or percentage of schools with at least one student taking the subject.

In this report the level of provision is presented by different school classifications: school type, school attainment, school gender, school size and school deprivation level. However, it should be noted that the analysis is at the simplest level and takes no account of interactions between these classifications. For instance, Table 13 of this report shows that provision in single sex schools was generally lower than in mixed sex schools. This can partly be attributed to the fact that single sex schools tend to be smaller than mixed sex schools (Table 9).

The tables presented in this report cannot tell us the reasons why schools do not offer a particular subject. For example, it may be that there is not enough demand for it from students to make it worthwhile, or it may be that there is a lack of teachers with the required experience.

Data

The data for these analyses were taken from the National Pupil Database (NPD). This is a database of results for all students in all subjects in schools and colleges in England. This report presents only the provision of GCSE subjects in schools with pupils taking GCSEs in 2012. Provision of applied and short course GCSEs was not investigated.

School Type

There are several different types of school offering GCSEs. For this report these were classified into five groups (Table 1). Although some sixth form and further education colleges also offer GCSEs, these are relatively rare and GCSEs are not their main focus. Therefore, they were excluded from the analysis. Other non-maintained schools, such as special schools, were also excluded.

Table 1: School type

School Type	Number of Schools	Percentage
Academy	1,008	25.2
Comprehensive	1,856	46.5
Grammar	91	2.3
Independent	921	23.1
Secondary Modern	118	3.0

Ability of Schools

The ability or attainment level of each school was calculated as the mean of the attainment of the students attending it. The attainment of the students was measured by mean GCSE, calculated by converting grades to scores (A*=8, A=7, B=6 etc).

A frequency distribution of these scores was obtained and used to allocate the schools into five approximately equally sized attainment groups. The cut-off points for these groups are shown in

Table 2, along with the minimum, maximum and mean for each group. Group I is the lowest attainment category and Group V is the highest.

Table 2: School attainment/ability group

	School Ability Group	Number of Schools	Minimum	Maximum	Mean
Low	Group I	788	0.0	4.3	3.7
↓	Group II	788	4.3	4.7	4.5
	Group III	789	4.7	5.1	4.9
	Group IV	788	5.1	5.8	5.4
High	Group V	788	5.8	8.0	6.5

There were individual students who obtained high grades in a group I school and some who obtained low grades in a group V school. However, a group V school will have more high attaining students than a group I school, which has obvious implications for provision and teaching.

Deprivation level

The level of deprivation that a student experiences was measured using a Government index, based on home postcode. The Income Deprivation Affecting Children Index (IDACI) is the proportion of children in a very small geographical area (Lower Layer Super Output Area or LSOA) who live in families that are income deprived. For each individual student this measure varies between 0 and 1. The level of deprivation in a school was taken as the average of the deprivation experienced by the students attending it.

The IDACI measure is included as a variable in the NPD. However, it should be noted that there was a significant amount of missing data for this measure. Therefore, only schools for which more than 50% of students had an IDACI score were included in the calculation.

Schools were divided up into five equal groups according to their deprivation level. Low IDACI scores mean low levels of deprivation and high IDACI scores mean high levels of deprivation. Thus, in Table 3 group A includes schools with students experiencing low deprivation on average, and group E schools with students experiencing high deprivation.

Table 3: School deprivation level

	School Deprivation Group	Number of Schools	Minimum	Maximum	Mean
Low	Group A	619	0.01	0.12	0.09
↓	Group B	620	0.12	0.17	0.14
	Group C	619	0.17	0.23	0.19
	Group D	620	0.23	0.33	0.28
High	Group E	619	0.33	0.86	0.42

School gender

A variable categorising schools by their gender make-up was created. The categorisation was determined by the female ratio in the school (number of females over the total number of students). If this ratio was greater than 0.95, the school was considered to be a "Girls" school. If the female ratio was less than 0.05, then the school was designated a "Boys" school. The rest of

the schools were "Mixed" schools. Table 4 shows the numbers and percentages of the different types of schools.

Table 4: School gender

School Sex	Number of Schools	Percentage
Boys	309	7.8
Girls	496	12.5
Mixed	3,169	79.7

School size

In Table 5 schools were classified into five groups according to their size (based on the number of students taking at least one GCSE). The categories were chosen on the basis of what is generally considered to be a reasonable size for a teaching group (i.e. 30 students).

Table 5: School size

School Size	Number of Schools	Percentage
Less than 30	439	11.0
30-59	239	6.0
60-119	620	15.6
120-239	2,203	55.4
240 or greater	473	11.9

Obviously school size is important for provision because a larger school is more likely to have viable numbers for minority subjects.

Provision of individual GCSE subjects

The provision of individual GCSE subjects by the school classifications is presented in Tables 10 to 14. However, a significant contributor to the level of provision in a subject is the size of the school (see Table 14) because a larger school is more likely to have viable numbers for less popular subjects. Thus, it is worth considering how each school classification relates to the size of the school. Tables 6 to 9 present the percentage of each classification group in each school size group.

To give an example, Table 6 shows that independent schools tend to have fewer students taking GCSEs than other school types (with 41.0% having fewer than 30 students taking GCSEs and only 0.2% with more than 240 students). In contrast, only 2.1% of comprehensive schools had fewer than 30 students taking GCSEs, with 16.5% having more than 240 students.

Table 6: Percent of school size group within each school type

	School size				
School Type	Less than 30	30-59	60-119	120-239	240 or greater
Academy	1.6	1.5	11.7	69.3	15.9
Comprehensive	2.1	0.8	11.9	68.8	16.5
Grammar	2.3	.	28.7	69.0	.
Independent	41.0	22.3	25.6	10.8	0.2
Secondary Modern	4.3	4.3	20.9	64.3	6.1

Table 7: Percent of school size group within each school ability group

	School size				
School Ability Group	Less than 30	30-59	60-119	120-239	240 or greater
Group I	14.6	1.9	18.0	56.8	8.6
Group II	3.9	1.9	12.5	69.1	12.6
Group III	6.6	1.5	7.9	65.9	18.1
Group IV	10.9	8.7	7.3	54.2	19.0
Group V	15.0	16.3	33.2	33.8	1.8

Table 8: Percent of school size group within each school deprivation group

	School size				
School Deprivation Group	Less than 30	30-59	60-119	120-239	240 or greater
Group A	2.4	1.0	9.9	64.9	21.8
Group B	1.5	1.5	9.5	70.8	16.8
Group C	1.8	0.8	12.6	68.5	16.3
Group D	3.9	1.0	14.4	69.5	11.3
Group E	3.6	1.3	16.6	68.5	10.0

Table 9: Percent of school size group within each school gender

	School size				
School Gender	Less than 30	30-59	60-119	120-239	240 or greater
Boys School	26.9	3.9	22.7	46.3	0.3
Girls School	20.8	19.8	22.2	35.5	1.8
Mixed School	8.0	4.1	13.9	59.5	14.6

In Tables 10 to 14 on the following pages the provision of individual subjects is presented by the school classifications outlined in Tables 1 to 5. For example, Table 10 shows that 62.4% of secondary modern schools offered Chemistry GCSE, compared with 88.2% of grammar schools. Table 11 shows that 63.2% of schools in the lowest attainment group offered Chemistry, compared with 74.4% of schools in the highest attainment group.

It should be noted that some independent schools prefer the International GCSE (IGCSE) to GCSEs in particular subjects. They may therefore not offer a GCSE in the subject at all. This explains why provision is low in independent schools in some compulsory subjects. See Gill (2013) for a detailed analysis of provision of alternative qualifications in English schools.

Table 10: Provision of GCSEs by school type (percentages)

Subject	Academy	Comp	Gram	Indep	Sec Mod
Additional Mathematics	1.3	1.5	2.2	0.9	1.7
Additional Science	93.7	95.5	78.0	61.6	89.8
Ancient History	0.4	0.3	0.0	0.8	0.0
Applied Art & Design	1.9	2.0	0.0	0.0	3.4
Applied Engineering	3.0	1.9	3.3	0.3	1.7
Arabic	15.1	16.2	15.4	10.5	7.6
Art & Design	58.4	60.3	47.3	42.8	55.1
Art & Design (3d Studies)	4.7	4.1	1.1	4.1	2.5
Art & Design (Critical Studies)	0.4	0.4	0.0	0.2	0.0
Art & Design (Fine Art)	34.7	34.5	50.5	35.6	26.3
Art & Design (Graphics)	8.8	7.3	2.2	3.1	5.9
Art & Design (Photography)	13.4	14.4	7.7	7.9	16.9
Art & Design (Textiles)	12.4	12.3	6.6	8.3	9.3
Astronomy	8.1	6.4	16.5	4.6	3.4
Bengali	4.7	5.9	3.3	1.0	2.5
Biology	86.7	87.4	91.2	53.4	65.3
Business Studies:Single	42.8	37.9	46.2	19.2	22.0
Business Studies & Economics	2.4	2.3	11.0	3.1	0.8
Catering Studies	0.3	0.2	0.0	0.0	0.0
Chemistry	86.3	87.0	90.1	51.8	61.9
Chinese	19.3	16.1	37.4	21.1	10.2
Classical Civilisation	3.6	2.7	13.2	16.2	0.0
Classical Greek	1.2	0.3	7.7	15.9	0.0
Computer Studies/Computing	4.0	1.7	7.7	1.7	0.0
D&T Electronic Products	13.8	13.2	24.2	3.4	6.8
D&T Engineering	0.6	0.6	0.0	0.1	0.0
D&T Food Technology	50.8	52.6	36.3	9.1	46.6
D&T Graphic Products	49.3	53.2	49.5	10.7	35.6
D&T Product Design	32.5	31.5	30.8	10.0	22.0
D&T Resistant Materials	58.7	62.2	53.8	30.7	61.0
D&T Systems & Control	6.3	6.0	6.6	2.1	2.5
D&T Textiles Technology	47.0	47.6	31.9	9.7	32.2
Dance	30.0	28.0	13.2	8.6	21.2
Design & Technology	0.1	0.2	1.1	0.0	0.0
Drama & Theatre Studies	70.9	70.1	57.1	53.6	44.9
Dutch	9.6	9.6	2.2	4.0	3.4
Economics	5.6	3.2	6.6	1.7	1.7
Electronics	0.8	0.4	1.1	2.0	0.8
English Language	96.4	96.9	91.2	64.7	93.2
English Language & Literature	72.1	73.9	13.2	22.6	75.4
English Literature	93.9	94.7	90.1	62.6	89.8
English Studies	2.3	2.1	0.0	0.1	1.7
Environmental Science	3.7	3.4	1.1	1.2	2.5
Expressive Arts & Performance Studies	4.5	4.0	3.3	1.4	5.9
Film Studies	5.7	5.6	1.1	0.8	10.2
French	91.4	90.1	92.3	67.5	77.1
General Studies	2.5	3.6	1.1	0.8	0.0
Geography	93.7	93.5	93.4	68.6	83.1
Geology	1.8	1.1	6.6	0.7	0.8
German	61.3	54.6	84.6	45.5	22.9
Gujarati	4.4	3.7	5.5	2.0	3.4
Health & Social Care	4.3	5.2	2.2	0.1	4.2
History	96.9	96.2	92.3	68.6	92.4
Home Economics	0.1	0.0	0.0	0.1	0.0

Subject	Academy	Comp	Gram	Indep	Sec Mod
Home Economics: Child Development	21.6	24.1	2.2	4.1	18.6
Home Economics: Food	11.9	11.3	9.9	15.4	8.5
Home Economics: Textiles	0.4	0.5	0.0	0.5	0.8
Humanities: Single	7.1	7.0	0.0	1.3	8.5
Information & Communications Technology	20.8	19.3	34.1	31.7	13.6
Irish	0.1	0.0	0.0	0.0	0.0
Italian	16.7	15.4	14.3	12.8	5.9
Japanese	5.7	4.2	14.3	7.7	2.5
Latin	8.4	4.7	36.3	35.8	0.0
Law	4.4	3.9	3.3	2.1	5.1
Mathematics	99.8	98.6	97.8	75.8	98.3
Media/Film/Tv Studies	37.6	44.3	17.6	6.0	37.3
Modern Greek	2.9	3.5	6.6	2.5	2.5
Modern Hebrew	0.9	0.6	0.0	1.3	1.7
Music	73.8	74.0	92.3	59.8	47.5
Office Technology	10.4	9.9	6.6	5.9	13.6
Other Classical Languages	0.1	0.2	0.0	1.5	1.7
Performing Arts	3.9	4.3	2.2	0.8	5.9
Persian	6.8	7.5	2.2	1.7	2.5
Physical Education/Sports Studies	74.0	72.9	75.8	46.4	50.8
Physics	86.2	86.9	89.0	50.8	62.7
Polish	31.3	36.6	6.6	2.4	42.4
Portuguese	15.2	19.1	2.2	2.6	16.1
Psychology	13.0	11.9	9.9	5.0	13.6
Punjabi	5.3	5.9	12.1	1.1	5.1
Religious Studies	74.1	74.4	79.1	59.5	60.2
Russian	12.4	13.4	15.4	15.2	10.2
Science (Core)	96.3	97.0	80.2	71.3	98.3
Social Science: Citizenship	6.3	7.0	2.2	2.0	5.1
Sociology	18.8	18.9	8.8	1.8	19.5
Spanish	65.6	66.5	74.7	52.3	52.5
Statistics	34.8	36.1	33.0	13.2	37.3
Turkish	10.6	11.1	5.5	3.0	9.3
Urdu	10.0	14.0	3.3	6.7	8.5
Welsh (Second Language)	0.2	0.1	0.0	0.0	0.0
Welsh Language	0.0	0.1	0.0	0.0	0.0

Table 11: Provision of GCSEs by school attainment group (percentages)

Subject	Low attainment Group I	Group II	Group III	Group IV	High attainment Group V
Additional Mathematics	1.0	1.8	1.9	0.9	1.0
Additional Science	82.0	94.8	95.6	95.1	71.7
Ancient History	0.3	0.4	0.3	0.4	0.9
Applied Art & Design	1.1	1.4	2.4	2.5	0.1
Applied Engineering	1.4	1.8	2.4	2.5	1.3
Arabic	13.6	16.9	14.7	14.6	12.4
Art & Design	52.9	59.8	58.8	60.3	48.6
Art & Design (3d Studies)	3.9	4.1	4.3	4.9	3.8
Art & Design (Critical Studies)	0.4	0.1	0.3	0.6	0.4
Art & Design (Fine Art)	22.3	33.5	35.2	38.7	47.2
Art & Design (Graphics)	6.2	8.4	6.8	7.5	4.3
Art & Design (Photography)	11.5	15.7	14.7	13.6	8.2
Art & Design (Textiles)	10.3	12.6	13.8	10.0	9.9
Astronomy	2.4	4.4	9.0	7.4	9.9
Bengali	6.0	7.6	3.8	3.3	1.1
Biology	65.6	84.8	88.8	85.4	74.9
Business Studies:Single	16.9	31.1	44.2	52.5	30.2
Business Studies & Economics	0.6	1.1	2.3	3.8	5.7
Catering Studies	0.4	0.4	0.1	0.0	0.0
Chemistry	63.5	83.6	88.3	85.7	74.2
Chinese	11.2	14.1	15.0	17.5	35.2
Classical Civilisation	0.8	1.8	2.9	4.1	21.8
Classical Greek	0.0	0.1	0.1	0.5	20.8
Computer Studies/Computing	0.8	1.3	2.7	3.4	3.9
D&T Electronic Products	6.2	11.2	12.9	16.0	10.2
D&T Engineering	0.1	0.9	1.0	0.3	0.1
D&T Food Technology	36.8	48.9	52.6	50.0	22.5
D&T Graphic Products	36.3	48.9	53.9	47.5	25.5
D&T Product Design	25.3	28.8	31.8	30.6	17.9
D&T Resistant Materials	48.7	62.3	61.1	57.2	43.4
D&T Systems & Control	2.5	5.7	6.2	7.4	3.9
D&T Textiles Technology	29.6	41.8	49.0	49.4	22.2
Dance	16.4	26.6	29.4	30.7	14.3
Design & Technology	0.3	0.3	0.1	0.0	0.1
Drama & Theatre Studies	42.6	62.2	76.2	78.0	72.2
Dutch	11.7	9.8	7.4	6.0	5.5
Economics	2.2	2.7	2.9	5.1	4.9
Electronics	0.3	0.4	0.6	0.9	2.4
English Language	87.7	96.6	96.1	96.3	74.4
English Language & Literature	77.4	78.4	72.2	60.9	16.6
English Literature	79.6	94.4	95.7	95.8	74.9
English Studies	3.3	1.8	1.6	1.3	0.3
Environmental Science	3.8	2.8	3.9	3.2	0.9
Expressive Arts & Performance Studies	4.4	5.7	3.2	3.2	1.3
Film Studies	6.5	6.1	5.1	4.6	0.8
French	68.5	87.4	92.0	93.8	87.8
General Studies	3.8	3.7	2.5	1.5	0.9
Geography	75.9	92.1	94.2	93.9	87.2
Geology	1.0	1.0	0.9	1.4	2.3
German	30.1	45.7	58.7	67.9	70.9
Gujarati	2.0	3.0	3.9	4.1	4.4
Health & Social Care	3.9	4.8	5.3	3.8	0.8
History	82.5	95.8	95.6	94.8	86.4

Subject	Group I	Group II	Group III	Group IV	Group V
Home Economics	0.0	0.1	0.0	0.1	0.0
Home Economics: Child Development	19.3	23.4	24.1	20.4	5.2
Home Economics: Food	7.6	11.3	11.7	14.6	17.1
Home Economics: Textiles	0.3	0.8	0.4	0.4	0.6
Humanities: Single	9.9	8.1	6.3	3.4	0.5
Information & Communications Technology	9.9	16.8	20.0	30.3	38.1
Irish	0.1	0.0	0.0	0.0	0.0
Italian	9.8	13.1	14.1	16.5	21.6
Japanese	1.6	2.3	4.1	6.9	13.3
Latin	0.6	1.1	5.4	9.8	51.0
Law	3.9	6.3	3.3	2.2	2.5
Mathematics	98.4	99.4	99.0	97.8	79.3
Media/Film/Tv Studies	35.7	44.8	43.3	34.9	8.2
Modern Greek	1.9	1.8	4.2	3.7	4.3
Modern Hebrew	0.3	0.0	0.5	1.3	2.3
Music	39.2	64.5	80.6	87.4	84.4
Office Technology	8.8	10.0	9.5	11.5	6.3
Other Classical Languages	0.0	0.3	0.3	0.3	1.9
Performing Arts	3.2	4.1	4.1	4.4	1.3
Persian	7.6	7.0	6.1	5.5	2.8
Physical Education/Sports Studies	44.0	65.2	77.7	84.1	65.6
Physics	63.5	83.6	88.3	85.4	73.0
Polish	39.8	37.1	28.5	22.5	7.2
Portuguese	19.4	18.3	14.8	11.8	5.5
Psychology	10.8	15.1	13.4	8.6	5.6
Punjabi	5.2	4.9	4.4	5.5	3.6
Religious Studies	51.9	71.3	76.2	77.4	80.3
Russian	13.1	12.6	10.8	11.3	20.6
Science (Core)	91.1	97.7	97.6	96.7	76.0
Social Science: Citizenship	7.7	8.4	6.1	4.4	1.1
Sociology	16.5	18.1	20.0	15.9	4.1
Spanish	47.1	61.4	66.3	70.1	72.6
Statistics	29.4	39.2	35.5	31.7	18.1
Turkish	8.6	12.7	9.5	9.1	5.3
Urdu	15.6	14.3	12.5	8.6	3.7
Welsh (Second Language)	0.3	0.0	0.1	0.1	0.0
Welsh Language	0.1	0.0	0.0	0.0	0.0

Table 12: Provision of GCSEs by school deprivation group (percentages)

Subject	Low deprivation Group A	Group B	Group C	Group D	High deprivation Group E
Additional Mathematics	1.3	2.3	1.3	1.1	1.6
Additional Science	94.5	95.3	95.5	92.6	92.4
Ancient History	0.5	0.6	0.0	0.3	0.3
Applied Art & Design	2.9	2.1	1.6	1.0	2.1
Applied Engineering	3.7	3.2	1.8	1.9	0.8
Arabic	8.1	7.7	9.2	15.3	37.2
Art & Design	60.3	61.0	58.3	56.9	59.1
Art & Design (3d Studies)	4.8	4.7	4.4	3.2	3.7
Art & Design (Critical Studies)	0.8	0.5	0.2	0.2	0.3
Art & Design (Fine Art)	42.3	39.0	36.8	30.2	25.4
Art & Design (Graphics)	7.4	8.4	6.1	8.4	7.8
Art & Design (Photography)	14.5	15.5	14.9	14.4	11.1
Art & Design (Textiles)	12.8	13.1	8.9	11.9	13.6
Astronomy	11.6	7.6	6.5	5.0	5.0
Bengali	0.5	1.8	2.3	5.6	16.3
Biology	93.4	91.9	87.7	80.5	78.4
Business Studies:Single	56.4	45.6	38.1	30.3	25.0
Business Studies & Economics	4.0	2.6	1.8	1.9	2.3
Catering Studies	0.0	0.2	0.2	0.5	0.3
Chemistry	93.2	91.8	87.4	79.0	77.4
Chinese	18.6	18.2	12.4	18.2	19.9
Classical Civilisation	5.5	3.1	4.0	1.8	1.5
Classical Greek	2.3	0.6	0.5	0.5	0.2
Computer Studies/Computing	5.5	2.7	2.4	1.3	1.1
D&T Electronic Products	19.2	16.5	17.9	9.2	4.7
D&T Engineering	1.1	0.8	0.2	0.2	0.6
D&T Food Technology	59.3	56.9	51.7	51.1	36.2
D&T Graphic Products	60.7	54.5	53.2	47.3	39.3
D&T Product Design	30.7	32.9	31.8	32.7	29.1
D&T Resistant Materials	68.8	66.8	64.1	56.6	47.2
D&T Systems & Control	10.8	7.3	6.1	3.7	2.6
D&T Textiles Technology	56.2	51.1	46.2	41.6	35.2
Dance	37.3	33.2	30.7	22.3	16.6
Design & Technology	0.2	0.3	0.0	0.2	0.3
Drama & Theatre Studies	85.3	77.7	70.9	55.5	55.6
Dutch	5.2	4.8	3.7	10.2	22.0
Economics	6.3	4.5	3.6	1.8	4.2
Electronics	1.0	0.8	0.5	0.3	0.3
English Language	96.1	98.1	97.1	95.5	94.3
English Language & Literature	62.5	69.7	76.7	72.7	75.6
English Literature	96.0	97.3	96.1	91.9	89.3
English Studies	1.0	2.3	1.8	1.1	4.2
Environmental Science	4.7	3.9	3.6	2.4	2.3
Expressive Arts & Performance Studies	3.9	2.9	3.9	6.1	3.9
Film Studies	3.9	6.9	6.3	6.0	5.3
French	96.8	95.6	93.1	83.7	80.5
General Studies	2.4	3.9	3.4	2.7	2.4
Geography	96.6	97.3	96.4	90.6	84.2
Geology	2.4	2.6	1.0	1.3	0.5
German	78.5	66.0	53.8	43.9	39.6
Gujarati	2.3	1.3	3.1	6.8	6.5
Health & Social Care	4.2	3.5	5.8	5.6	4.4
History	97.3	98.4	97.7	95.0	92.1

Subject	Group A	Group B	Group C	Group D	Group E
Home Economics	0.0	0.0	0.0	0.2	0.2
Home Economics: Child Development	24.7	27.4	26.8	18.2	15.0
Home Economics: Food	13.4	13.9	10.8	10.8	7.6
Home Economics: Textiles	0.2	0.5	0.6	0.5	0.6
Humanities: Single	3.9	6.6	6.8	7.7	9.7
Information & Communications Technology	25.5	21.8	18.7	15.3	19.1
Irish	0.0	0.0	0.2	0.0	0.0
Italian	12.3	14.0	13.6	16.0	20.5
Japanese	7.8	6.0	5.3	2.1	3.2
Latin	14.7	7.3	4.8	3.5	2.9
Law	2.4	4.5	3.1	6.0	4.4
Mathematics	98.4	99.5	99.4	98.2	98.4
Media/Film/Tv Studies	35.9	38.9	44.3	43.9	41.7
Modern Greek	2.9	3.2	2.9	3.5	4.0
Modern Hebrew	1.1	0.8	1.1	0.3	0.2
Music	92.1	86.1	76.3	60.2	51.4
Office Technology	11.6	9.5	10.3	9.5	9.2
Other Classical Languages	0.2	0.2	0.5	0.2	0.2
Performing Arts	5.2	4.0	4.8	4.4	2.1
Persian	0.8	1.6	4.7	8.7	18.6
Physical Education/Sports Studies	88.7	84.7	75.0	62.9	50.4
Physics	93.2	91.8	87.4	78.7	77.2
Polish	14.4	25.6	32.1	47.9	48.9
Portuguese	6.6	9.8	12.8	20.2	36.0
Psychology	8.2	14.5	14.1	12.3	11.8
Punjabi	2.3	2.9	5.7	7.6	10.8
Religious Studies	79.3	76.9	71.9	69.2	71.4
Russian	7.4	11.5	11.6	15.3	18.6
Science (Core)	95.2	97.3	97.7	95.6	95.6
Social Science: Citizenship	2.9	4.2	6.1	7.7	11.8
Sociology	15.7	16.3	17.4	19.2	24.2
Spanish	74.3	69.4	62.4	58.9	64.3
Statistics	34.6	39.2	35.7	32.6	36.0
Turkish	4.4	6.8	6.9	12.3	22.8
Urdu	2.4	2.9	8.6	15.0	32.0
Welsh (Second Language)	0.2	0.2	0.2	0.0	0.2
Welsh Language	0.0	0.2	0.0	0.0	0.0

Table 13: Provision of GCSEs by school gender (percentages)

Subject	Boys	Girls	Mixed
Additional Mathematics	1.3	0.6	1.4
Additional Science	66.3	77.4	90.6
Ancient History	1.3	0.4	0.3
Applied Art & Design	1.0	0.6	1.7
Applied Engineering	2.6	0.6	2.0
Arabic	20.1	22.8	12.5
Art & Design	35.0	49.0	58.7
Art & Design (3d Studies)	2.9	2.6	4.5
Art & Design (Critical Studies)	0.3	0.0	0.4
Art & Design (Fine Art)	40.5	38.5	34.1
Art & Design (Graphics)	5.8	3.0	7.2
Art & Design (Photography)	9.4	7.5	13.8
Art & Design (Textiles)	0.6	14.1	11.8
Astronomy	9.7	7.3	6.2
Bengali	5.5	5.2	4.1
Biology	65.0	71.4	81.9
Business Studies:Single	31.1	27.8	36.1
Business Studies & Economics	4.9	2.6	2.5
Catering Studies	0.0	0.0	0.2
Chemistry	65.4	70.0	81.0
Chinese	26.5	29.0	16.0
Classical Civilisation	13.6	12.3	4.5
Classical Greek	14.6	11.3	2.2
Computer Studies/Computing	5.2	0.6	2.4
D&T Electronic Products	18.1	0.8	12.1
D&T Engineering	0.3	0.0	0.6
D&T Food Technology	12.0	32.3	46.2
D&T Graphic Products	29.4	23.4	46.2
D&T Product Design	16.8	19.0	28.8
D&T Resistant Materials	50.8	19.6	59.8
D&T Systems & Control	5.2	0.2	5.9
D&T Textiles Technology	1.0	39.9	41.4
Dance	2.6	23.6	25.6
Design & Technology	0.0	0.2	0.2
Drama & Theatre Studies	42.7	70.8	67.3
Dutch	8.1	7.5	8.1
Economics	7.4	2.8	3.3
Electronics	2.9	0.2	0.8
English Language	71.2	81.3	92.6
English Language & Literature	35.9	24.6	68.6
English Literature	67.0	81.0	90.3
English Studies	0.6	0.2	2.0
Environmental Science	1.0	0.4	3.5
Expressive Arts & Performance Studies	0.6	2.4	4.0
Film Studies	1.9	1.6	5.3
French	67.3	80.6	87.8
General Studies	2.3	0.6	2.8
Geography	70.6	81.7	90.6
Geology	3.6	0.6	1.2
German	49.2	57.9	54.1
Gujarati	3.6	5.4	3.2
Health & Social Care	0.0	2.4	4.3
History	71.5	85.5	92.9
Home Economics	0.0	0.2	0.0

Subject	Boys	Girls	Mixed
Home Economics: Child Development	0.0	11.5	21.2
Home Economics: Food	2.9	20.2	12.1
Home Economics: Textiles	0.0	1.4	0.4
Humanities: Single	2.6	1.8	6.5
Information & Communications Technology	26.5	35.7	20.4
Irish	0.0	0.0	0.0
Italian	17.8	19.6	13.9
Japanese	11.3	9.7	4.4
Latin	27.5	34.3	8.9
Law	1.9	1.8	4.1
Mathematics	84.8	83.1	96.7
Media/Film/Tv Studies	18.1	14.9	37.4
Modern Greek	3.9	4.4	2.9
Modern Hebrew	1.0	2.2	0.6
Music	62.8	73.8	71.0
Office Technology	3.2	10.5	9.5
Other Classical Languages	1.6	2.4	0.1
Performing Arts	0.6	2.4	3.8
Persian	5.2	8.3	5.4
Physical Education/Sports Studies	52.1	56.5	69.9
Physics	64.4	69.8	80.8
Polish	16.8	16.3	29.5
Portuguese	10.0	13.7	14.3
Psychology	7.4	6.3	11.6
Punjabi	4.2	4.4	4.9
Religious Studies	68.0	76.8	70.2
Russian	15.9	16.9	12.8
Science (Core)	72.8	82.5	94.1
Social Science: Citizenship	4.9	4.0	5.8
Sociology	3.9	12.5	16.3
Spanish	52.1	65.7	63.7
Statistics	22.7	19.4	33.2
Turkish	8.7	9.3	9.0
Urdu	12.0	16.1	10.0
Welsh (Second Language)	0.0	0.0	0.1
Welsh Language	0.0	0.0	0.0

Table 14: Provision of GCSEs by school size (percentages)

Subject	Less than 30	30 to 59	60 to 119	120 to 239	240+
Additional Mathematics	0.2	0.8	1.6	1.5	1.3
Additional Science	44.6	74.9	85.0	95.1	97.7
Ancient History	0.0	0.8	0.5	0.5	0.2
Applied Art & Design	0.0	0.4	0.3	2.0	3.0
Applied Engineering	0.0	0.4	1.1	2.3	3.2
Arabic	10.5	8.4	11.0	15.8	18.8
Art & Design	29.6	51.0	57.1	59.0	64.7
Art & Design (3d Studies)	1.1	3.3	4.0	4.5	5.9
Art & Design (Critical Studies)	0.0	0.4	0.3	0.4	0.4
Art & Design (Fine Art)	18.2	41.8	37.9	36.3	38.5
Art & Design (Graphics)	1.4	1.7	5.3	7.0	13.7
Art & Design (Photography)	4.6	12.1	6.8	14.1	21.4
Art & Design (Textiles)	4.1	9.2	8.5	12.6	15.9
Astronomy	2.5	2.9	5.0	7.7	8.9
Bengali	1.4	0.4	3.7	5.2	5.9
Biology	26.7	67.8	74.0	88.8	96.0
Business Studies:Single	11.6	24.7	22.4	39.0	57.1
Business Studies & Economics	0.7	2.5	3.4	2.5	4.4
Catering Studies	0.2	0.0	0.0	0.2	0.2
Chemistry	24.1	66.5	73.2	88.2	95.8
Chinese	3.0	15.1	24.8	18.8	24.1
Classical Civilisation	0.2	12.1	13.4	5.2	4.2
Classical Greek	0.2	7.5	11.9	3.4	0.6
Computer Studies/Computing	0.0	0.4	2.7	2.6	4.0
D&T Electronic Products	0.2	1.7	5.6	14.3	19.2
D&T Engineering	0.0	0.4	0.2	0.4	1.7
D&T Food Technology	3.4	13.4	32.1	51.3	60.3
D&T Graphic Products	4.3	9.2	28.1	52.4	63.8
D&T Product Design	1.8	13.0	21.3	32.2	37.8
D&T Resistant Materials	9.1	28.0	55.0	62.5	68.7
D&T Systems & Control	0.5	1.3	3.9	5.3	12.3
D&T Textiles Technology	3.0	13.4	24.5	46.2	63.2
Dance	5.7	7.1	12.1	26.6	49.3
Design & Technology	0.0	0.0	0.2	0.2	0.2
Drama & Theatre Studies	17.1	65.7	61.9	72.7	84.1
Dutch	0.5	4.2	7.3	9.8	9.7
Economics	1.1	1.7	1.9	4.1	6.1
Electronics	0.2	1.3	1.3	0.8	1.3
English Language	57.4	84.5	82.7	96.3	99.4
English Language & Literature	24.1	29.3	50.8	69.6	81.0
English Literature	48.5	82.8	81.3	95.1	97.7
English Studies	0.2	0.0	1.0	2.1	2.5
Environmental Science	0.9	1.7	2.3	3.2	4.7
Expressive Arts & Performance Studies	2.7	1.7	2.3	3.7	6.6
Film Studies	0.5	1.3	2.7	5.3	8.9
French	37.4	82.0	84.2	92.9	97.5
General Studies	1.1	0.8	1.6	3.1	2.7
Geography	39.2	85.4	88.4	95.6	98.5
Geology	0.0	0.4	1.1	1.3	3.4
German	12.5	51.0	53.4	58.8	74.0
Gujarati	0.5	1.7	2.1	3.9	7.2
Health & Social Care	0.2	0.4	2.6	4.2	7.8
History	39.2	89.1	92.9	97.9	99.6

Subject	Less than 30	30 to 59	60 to 119	120 to 239	240+
Home Economics	0.0	0.4	0.0	0.0	0.0
Home Economics: Child Development	5.2	5.4	9.7	21.2	34.9
Home Economics: Food	7.3	25.9	12.1	11.8	13.3
Home Economics: Textiles	0.5	1.3	0.5	0.3	0.8
Humanities: Single	1.4	3.3	3.5	7.1	6.6
Information & Communications Technology	19.1	41.0	24.5	20.3	26.4
Irish	0.0	0.0	0.2	0.0	0.0
Italian	2.1	10.9	15.6	17.4	16.1
Japanese	0.9	5.9	8.4	4.9	9.1
Latin	4.1	32.6	30.6	9.4	9.1
Law	2.1	2.1	3.1	4.0	4.7
Mathematics	82.2	85.8	88.2	97.7	99.8
Media/Film/Tv Studies	4.6	8.4	18.9	40.9	54.3
Modern Greek	0.2	2.1	3.7	3.6	3.6
Modern Hebrew	0.9	3.3	1.0	0.5	0.8
Music	22.1	74.5	72.4	76.2	86.0
Office Technology	4.6	9.2	5.6	10.1	13.7
Other Classical Languages	1.6	3.3	0.6	0.1	0.0
Performing Arts	0.7	1.7	1.9	3.9	5.9
Persian	0.9	2.1	4.5	6.9	8.7
Physical Education/Sports Studies	17.1	62.8	61.3	74.0	88.8
Physics	23.7	65.7	72.6	88.0	96.0
Polish	1.8	3.3	21.6	35.1	30.4
Portuguese	2.1	0.8	11.6	18.2	14.6
Psychology	5.0	5.0	6.3	12.5	15.4
Punjabi	0.9	1.7	2.4	5.5	9.3
Religious Studies	27.6	68.2	75.2	76.3	81.4
Russian	3.6	8.8	17.4	14.6	15.2
Science (Core)	63.8	79.9	88.1	96.7	98.9
Social Science: Citizenship	2.7	0.8	3.2	6.9	7.2
Sociology	1.1	3.3	5.6	17.4	33.2
Spanish	17.8	62.3	62.6	68.6	79.9
Statistics	10.0	15.9	24.7	36.1	39.5
Turkish	1.4	0.4	6.5	11.7	11.0
Urdu	8.7	10.0	7.6	11.4	15.6
Welsh (Second Language)	0.0	0.0	0.2	0.1	0.0
Welsh Language	0.0	0.0	0.0	0.0	0.0

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