Provision of GCE A level subjects 2013

Statistics Report Series No.73

Tim Gill

June 2014

Research Division
Assessment, Research and Development
Cambridge Assessment
1 Regent Street, Cambridge, CB2 1GG

Introduction

This report looks at the provision of A level subjects in England in 2013. Provision in a subject has been defined as the number or percentage of schools with at least one student taking the subject. It could be argued that this may not cover all of the 'provision' since schools might offer to provide a subject, but none of their students want to study it. However, as we have no means for capturing this information we will only look at provision in the sense defined above.

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 14 of this report shows that provision in single sex schools was generally lower than in mixed sex schools. However, this was partly due to single sex schools tending to be smaller than mixed sex schools.

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), maintained by the Department for Education. This is a database of results for all students in all subjects in schools and colleges in England. This report presents only provision of A level subjects taken in 2013. Provision of applied A level subjects and other qualifications (e.g. Pre-U, International Baccalaureate) was not investigated.

School Type

Table 1: School type

School Type	Number of Schools	Percentage
Academy	926	31.6
Comprehensive	931	31.8
FE\Tertiary College	191	6.5
Grammar	76	2.6
Independent	602	20.5
Secondary Modern	67	2.3
Sixth Form College	139	4.7

There are several different types of schools offering A levels. For this report these were classified into seven groups (Table 1). It should be noted that schools that do not offer A levels would not be included in this data, *e.g.* schools that offer the International Baccalaureate or the Pre-U only. Schools categorised as 'Other' or 'Unidentified' were excluded from the analysis.

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 the total points score (tps) for their best three A level results. Thus, only students taking at least three A levels were used in the calculation. The A level grades for these candidates were converted into points using the UCAS tariff (A* = 140, A = 120, B = 100, etc), and the sum of the points was computed. Thus, the total A level points score ranges from 0 to 420. For example, a score of 300 is equivalent to the A

level grades BBB, ABC, AAD etc. A frequency distribution of these scores was obtained and used to allocate the schools into five equally sized attainment groups. The cut-off points for these groups are shown in Table 2. 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 tps	Maximum tps	Mean tps
Low	Group I	532	40.0	246.0	223.8
	Group II	532	246.1	264.7	256.3
	Group III	545	264.7	280.0	272.7
	Group IV	520	280.2	301.4	290.1
High	Group V	532	301.5	420.0	327.3

Clearly there are 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 traditional measure of a student's social class (or their level of deprivation) in an educational context is whether or not they have a free school meal. However, there are a number of problems with using this measure. Firstly, it does not discriminate well because it only takes two values (1 if the student claims free school meals and 0 otherwise). Secondly, it is not clear how many students who are eligible for free school meals actually claim for them.

For this report an alternative measure was used. From the postcodes of individual students it was possible to measure the level of deprivation they experience. This was done using the Income Deprivation Affecting Children Index (IDACI), which is available in the NPD. This gives the proportion of children in a small geographical area (Lower Layer Super Output Area or LSOA) who live in families that are income deprived. For an individual student this measure varies between 0 and 1; in order to calculate the deprivation level of a school we took the average of this measure across all pupils.

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, 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	386	0.00	0.10	0.08
	Group B	387	0.10	0.14	0.12
	Group C	386	0.14	0.19	0.16
	Group D	387	0.19	0.28	0.23
High	Group E	386	0.28	0.81	0.39

School gender

The school gender variable 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	175	6.0
Girls	411	14.0
Mixed	2346	80.0

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 A level). 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	692	23.6
30-59	593	20.2
60-119	847	28.9
120-239	641	21.9
240 or greater	159	5.4

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

Provision of individual A level subjects

The provision of individual A level subjects by the school classifications is presented in Tables 10 to 15. However, a significant contributor to the level of provision in a subject is the size of the school (see Table 15) because a larger school is more likely to have viable numbers, particularly 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 secondary modern schools tend to have small sixth forms (52.2% having fewer than 30 students). Sixth form colleges, however, tend to be relatively large (66.2% have at least 240 A level 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	20.1	18.4	30.5	29.2	1.9
Comprehensive	21.8	24.6	33.3	18.8	1.5
FE\Tertiary College	28.3	18.8	22.5	16.8	13.6
Grammar	7.9	3.9	19.7	61.8	6.6
Independent	33.1	21.6	29.6	15.1	0.7
Secondary Modern	52.2	29.9	13.4	4.5	.
Sixth Form College	6.5	3.6	7.2	16.5	66.2

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	31.6	36.1	22.8	6.3	3.2
Group II	11.7	29.3	35.9	16.4	6.8
Group III	10.5	15.4	41.5	23.9	8.6
Group IV	9.4	15.0	30.0	36.5	9.0
Group V	14.9	16.1	28.7	38.0	2.3

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	9.1	7.3	32.1	49.0	2.6
Group B	8.3	19.1	37.0	32.3	3.4
Group C	10.4	26.7	37.0	24.4	1.6
Group D	25.3	28.7	28.9	15.5	1.6
Group E	32.9	28.2	26.9	10.4	1.6

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

School Gender	School size				
	Less than 30	30-59	60-119	120-239	240 or greater
Boys School	57.1	2.3	16.0	24.0	0.6
Girls School	47.9	18.5	22.4	10.9	0.2
Mixed School	16.8	21.9	31.0	23.6	6.7

In Tables 10 to 15 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 83.8% of academy schools had students taking Chemistry A level, compared with 93.4% of grammar schools. Table 12 shows that 77.6% of schools in the lowest attainment group had students taking Chemistry, compared with 93.0% of schools in the highest attainment group.

Table 10: Provision of A levels by school type (percentages)

Subject	Academy	Comp	FE\Ter	Gram	Indep	Sec Mod	6th Form
Accounting/Finance	7.5	7.2	37.2	3.9	8.8	4.5	54.0
Additional Mathematics	1.1	1.0	1.0	5.3	3.5	1.5	0.7
Ancient History	1.4	0.6	2.6	3.9	3.0	1.5	7.9
Anthropology	0.0	0.3	4.7	0.0	0.5	0.0	4.3
Arabic	8.2	8.6	5.8	6.6	5.6	1.5	16.5
Archaeology	0.3	0.5	7.9	0.0	0.2	0.0	13.7
Art & Design	32.5	34.7	20.9	31.6	30.7	38.8	36.0
Art & Design (3d Studies)	2.1	1.5	6.3	0.0	3.5	0.0	15.1
Art & Design (Critical Studies)	0.4	0.4	3.7	1.3	2.0	0.0	5.8
Art & Design (Fine Art)	51.5	46.2	46.1	67.1	52.0	34.3	74.8
Art & Design (Graphics)	10.7	9.7	32.5	5.3	6.8	6.0	54.0
Art & Design (Photography)	39.5	36.9	56.0	22.4	24.1	34.3	73.4
Art & Design (Textiles)	17.5	17.8	25.7	7.9	14.8	7.5	58.3
Bengali	1.1	1.9	0.5	0.0	0.2	0.0	2.9
Biology	86.8	83.1	76.4	93.4	84.2	55.2	97.1
Business Studies: Single	54.3	49.9	69.1	67.1	57.0	26.9	96.4
Business Studies & Economics	5.7	6.9	4.2	7.9	5.6	1.5	0.7
Chemistry	83.8	81.6	71.7	93.4	83.2	50.7	97.1
Chinese	16.4	14.4	9.4	30.3	45.5	9.0	44.6
Classical Civilisation	8.9	4.9	9.9	31.6	33.4	4.5	41.0
Classical Greek	0.9	0.3	0.5	5.3	14.0	1.5	1.4
Classics (General)	1.0	0.6	1.6	5.3	3.0	0.0	3.6
Communication Studies	3.0	1.7	20.9	1.3	0.7	4.5	18.7
Computer Studies/Computing	16.5	10.8	23.0	28.9	10.0	3.0	61.2
Critical Thinking	5.1	2.7	7.9	13.2	1.8	0.0	18.0
D&T Food Technology	14.3	11.4	0.5	17.1	4.8	4.5	5.8
D&T Product Design	60.7	57.7	6.3	75.0	43.9	31.3	42.4
D&T Systems & Control	2.6	1.6	0.0	2.6	1.8	0.0	1.4
D&T Textiles Technology	19.5	19.1	0.0	14.5	6.3	7.5	8.6
Dance	15.0	13.2	14.1	5.3	4.2	13.4	44.6
Drama & Theatre Studies	55.5	53.0	33.0	57.9	57.5	17.9	81.3
Dutch	6.0	4.3	3.1	0.0	2.8	3.0	9.4
Economics	44.1	36.0	34.6	69.7	64.8	10.4	84.9
Electronics	2.8	1.6	5.2	7.9	3.7	1.5	28.1
English Language	38.3	36.9	50.8	26.3	21.3	29.9	74.1
English Language & Literature	29.2	26.9	56.5	22.4	8.1	11.9	67.6
English Literature	83.5	80.1	65.4	90.8	79.4	67.2	95.0
Environmental Science	3.1	3.0	19.4	1.3	0.8	0.0	24.5
Expressive Arts & Performance Studies	3.8	2.5	2.6	1.3	1.0	3.0	21.6
Film Studies	16.3	17.7	50.8	15.8	4.5	11.9	70.5
French	60.9	56.7	28.8	85.5	74.4	26.9	86.3
General Studies	28.2	25.6	6.8	50.0	13.3	6.0	36.0
Geography	74.1	71.9	48.2	92.1	76.2	53.7	88.5
Geology	4.9	3.1	9.9	7.9	4.0	3.0	34.5
German	42.0	31.7	17.3	71.1	54.3	14.9	59.7
Government & Politics	37.6	31.1	47.1	72.4	45.0	23.9	85.6
Gujarati	0.6	0.9	0.5	0.0	0.7	0.0	0.7
History	85.9	81.7	71.2	93.4	81.2	70.1	95.0
History of Art	1.4	0.4	5.2	0.0	15.6	0.0	9.4
Home Economics: Food	2.6	2.0	0.5	2.6	6.3	1.5	2.2
Information & Communications Technology	28.3	26.2	38.7	36.8	26.1	7.5	56.1
Irish	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Italian	8.1	10.0	6.3	10.5	17.1	4.5	31.7
Japanese	5.1	3.0	2.1	13.2	13.5	0.0	5.8

Subject	Academy	Comp	FE\Ter	Gram	Indep	Sec Mod	6th Form
Latin	5.6	2.4	0.5	25.0	38.0	1.5	7.2
Law	25.5	27.2	67.0	11.8	6.0	14.9	82.0
Logic/ Philosophy	7.1	6.1	18.8	15.8	9.8	4.5	50.4
Mathematics	90.9	86.1	78.5	96.1	89.5	76.1	99.3
Mathematics (Further)	59.4	53.5	42.4	84.2	69.8	14.9	89.2
Mathematics (Pure)	0.9	0.1	2.1	0.0	0.7	0.0	2.2
Mathematics (Statistics)	1.9	1.0	2.1	0.0	1.3	0.0	14.4
Media/Film/TV Studies	53.7	56.2	66.0	40.8	10.8	43.3	84.9
Modern Greek	2.3	3.2	1.0	0.0	3.0	0.0	3.6
Modern Hebrew	0.2	0.9	0.0	0.0	0.5	1.5	0.0
Music	47.9	40.1	12.6	71.1	59.3	11.9	65.5
Music Technology	20.6	18.6	9.9	14.5	13.5	10.4	48.2
Other Classical Languages	0.1	0.5	0.5	0.0	0.3	1.5	0.0
Persian	4.3	4.0	3.1	0.0	3.7	3.0	12.2
Physical Education/Sports Studies	60.9	54.9	28.3	78.9	56.0	35.8	77.0
Physics	81.0	77.7	67.5	90.8	81.1	40.3	95.0
Polish	18.6	19.3	7.9	15.8	5.0	16.4	38.8
Portuguese	7.2	8.9	4.2	1.3	4.0	6.0	16.5
Psychology	84.4	81.3	83.2	82.9	56.3	58.2	94.2
Punjabi	3.0	3.4	1.0	9.2	0.8	3.0	3.6
Religious Studies	59.8	57.0	23.6	78.9	60.0	34.3	68.3
Russian	9.7	7.0	7.3	14.5	29.6	7.5	25.2
Science in Society	1.0	1.2	0.5	1.3	0.3	0.0	1.4
Social Science: Citizenship	2.9	2.7	6.3	3.9	0.2	0.0	10.8
Sociology	64.6	66.0	80.6	56.6	11.6	50.7	92.1
Spanish	41.6	37.2	26.7	61.8	63.1	19.4	78.4
Turkish	5.8	8.1	4.2	6.6	3.7	3.0	17.3
Urdu	6.7	7.1	2.6	3.9	1.8	4.5	12.2
Use of Mathematics	0.9	0.6	4.7	0.0	0.0	0.0	18.7
World Development	1.5	1.4	6.8	0.0	0.3	0.0	7.9

Table 11: Provision of A levels by school attainment group (percentages, comprehensive schools only)

Subject	Low attainment				High attainment
	Group I	Group II	Group III	Group IV	Group V
Accounting/Finance	10.8	9.6	5.9	6.6	5.4
Additional Mathematics	0.0	1.0	1.8	2.0	0.0
Ancient History	0.0	1.0	0.5	1.3	2.7
Anthropology	0.5	0.5	0.5	0.0	0.0
Arabic	8.2	8.1	9.5	8.6	10.8
Archaeology	0.5	1.0	0.5	0.7	0.0
Art & Design	37.1	39.2	43.6	41.4	24.3
Art & Design (3d Studies)	1.5	1.9	2.3	1.3	0.0
Art & Design (Critical Studies)	1.0	0.0	0.9	0.0	0.0
Art & Design (Fine Art)	42.3	56.9	54.5	55.9	56.8
Art & Design (Graphics)	6.2	9.6	17.3	11.8	5.4
Art & Design (Photography)	34.5	43.5	48.6	39.5	37.8
Art & Design (Textiles)	10.8	24.9	22.3	24.3	18.9
Bengali	2.6	1.9	0.9	1.3	0.0
Biology	88.7	97.6	98.6	97.4	83.8
Business Studies: Single	46.4	63.6	60.0	59.2	51.4
Business Studies & Economics	6.7	7.7	7.3	11.2	2.7
Chemistry	85.6	96.7	96.8	96.7	83.8
Chinese	4.6	13.4	16.8	23.0	16.2
Classical Civilisation	3.1	6.7	5.5	6.6	10.8
Classical Greek	0.0	0.0	0.0	0.7	5.4
Classics (General)	0.5	0.0	1.8	0.7	0.0
Communication Studies	0.5	3.8	2.3	0.7	2.7
Computer Studies/Computing	8.2	10.5	15.0	18.4	5.4
Critical Thinking	1.0	4.3	0.5	7.2	2.7
D&T Food Technology	5.7	10.0	19.1	16.4	18.9
D&T Product Design	52.6	67.0	72.3	73.7	59.5
D&T Systems & Control	2.1	0.5	2.3	3.3	0.0
D&T Textiles Technology	16.0	19.6	30.0	21.1	21.6
Dance	8.2	16.7	22.3	11.2	10.8
Drama & Theatre Studies	42.3	61.7	71.8	66.4	54.1
Dutch	4.6	3.3	5.9	3.3	2.7
Economics	24.2	40.7	48.2	49.3	54.1
Electronics	0.5	2.4	3.2	1.3	0.0
English Language	32.5	41.1	46.4	51.3	29.7
English Language & Literature	27.3	34.4	30.0	32.2	18.9
English Literature	84.0	93.3	93.6	95.4	81.1
Environmental Science	1.5	4.3	4.1	3.9	2.7
Expressive Arts & Performance Studies	3.6	3.8	2.3	2.0	0.0
Film Studies	18.0	23.4	20.0	19.7	18.9
French	37.6	61.2	78.2	80.3	73.0
General Studies	21.6	31.6	34.1	33.6	8.1
Geography	64.9	83.7	91.4	88.8	83.8
Geology	2.6	2.9	4.1	5.9	0.0
German	17.0	32.1	38.6	56.6	48.6
Government & Politics	22.7	34.9	41.8	40.1	54.1
Gujarati	0.0	0.5	0.9	1.3	0.0
History	84.5	98.1	96.8	97.4	83.8
History of Art	0.0	0.5	0.5	0.0	5.4
Home Economics: Food	1.0	1.4	3.6	2.6	5.4
Information & Communications Technology	21.6	31.6	34.5	32.2	29.7
Italian	5.2	8.6	13.6	14.5	24.3
Japanese	0.5	2.4	3.6	5.9	10.8

Subject	Group I	Group II	Group III	Group IV	Group V
Latin	0.0	2.4	1.4	4.6	18.9
Law	29.9	35.4	33.6	26.3	18.9
Logic/ Philosophy	5.2	4.3	8.6	9.2	13.5
Mathematics	92.3	99.0	98.6	98.7	83.8
Mathematics (Further)	32.5	54.1	74.5	84.9	78.4
Mathematics (Pure)	0.0	0.0	0.0	0.7	0.0
Mathematics (Statistics)	0.5	0.5	2.3	0.7	2.7
Media/Film/TV Studies	56.7	66.5	70.0	65.1	51.4
Modern Greek	1.5	3.8	4.1	5.3	0.0
Modern Hebrew	0.0	0.0	0.9	0.7	10.8
Music	23.7	41.6	53.6	64.5	56.8
Music Technology	13.9	20.6	25.9	23.7	24.3
Other Classical Languages	0.0	0.0	0.0	0.7	8.1
Persian	2.1	3.8	4.5	6.6	8.1
Physical Education/Sports Studies	41.2	67.9	71.8	73.0	51.4
Physics	76.3	90.9	94.1	96.7	83.8
Polish	13.9	19.6	19.1	21.1	24.3
Portuguese	7.7	9.6	8.6	9.9	21.6
Psychology	87.6	94.7	95.9	93.4	78.4
Punjabi	1.5	6.7	3.6	2.0	5.4
Religious Studies	51.5	62.2	73.2	71.7	73.0
Russian	4.1	6.7	8.6	9.2	16.2
Science in Society	1.0	0.0	2.3	2.0	0.0
Social Science: Citizenship	5.2	3.3	2.3	0.7	2.7
Sociology	70.6	81.3	77.7	74.3	51.4
Spanish	29.9	33.5	47.7	56.6	56.8
Turkish	4.6	8.1	9.1	7.9	13.5
Urdu	7.7	6.7	7.3	4.6	5.4
Use of Mathematics	1.5	0.5	0.5	0.7	0.0
World Development	2.1	1.4	1.4	2.0	0.0

Table 12: Provision of A levels by school attainment group (percentages, all schools)

	Low attainment				High attainment
Subject	Group I	Group II	Group III	Group IV	Group V
Accounting/Finance	16.0	16.9	14.2	11.2	5.3
Additional Mathematics	0.0	0.8	2.2	1.7	4.3
Ancient History	0.8	1.5	2.2	2.5	3.8
Anthropology	1.1	0.9	0.7	0.8	0.4
Arabic	7.0	8.5	9.2	7.9	5.9
Archaeology	1.0	1.7	2.6	2.7	0.2
Art & Design	30.6	36.3	39.9	35.8	34.2
Art & Design (3d Studies)	2.3	3.4	3.5	4.0	3.0
Art & Design (Critical Studies)	1.0	1.1	1.1	1.0	2.5
Art & Design (Fine Art)	45.6	55.3	58.3	60.8	57.7
Art & Design (Graphics)	12.9	15.4	19.3	16.3	6.2
Art & Design (Photography)	39.9	46.6	51.3	42.5	23.4
Art & Design (Textiles)	15.0	25.0	25.6	22.5	16.1
Bengali	1.5	1.3	1.3	1.0	0.2
Biology	84.2	95.1	97.1	94.8	92.8
Business Studies: Single	50.0	65.8	64.9	67.7	60.9
Business Studies & Economics	3.6	5.8	7.4	9.0	5.3
Chemistry	77.6	93.6	96.3	94.0	93.0
Chinese	9.5	17.1	21.7	28.5	43.5
Classical Civilisation	3.4	9.0	10.5	19.0	39.7
Classical Greek	0.0	0.2	0.4	1.3	17.6
Classics (General)	0.6	0.8	1.7	1.9	3.6
Communication Studies	5.9	7.0	4.4	3.7	1.3
Computer Studies/Computing	9.3	16.4	20.8	25.6	16.1
Critical Thinking	1.9	4.7	4.8	8.1	5.3
D&T Food Technology	6.1	9.8	15.3	15.6	8.1
D&T Product Design	40.9	55.3	64.9	70.0	52.4
D&T Systems & Control	1.1	1.1	2.2	3.3	2.5
D&T Textiles Technology	10.5	16.4	22.1	17.9	13.0
Dance	9.5	18.6	21.1	16.3	6.2
Drama & Theatre Studies	35.6	58.5	68.4	69.2	66.0
Dutch	5.1	4.5	6.6	4.0	3.2
Economics	26.4	42.3	54.2	60.0	76.0
Electronics	1.7	4.5	6.4	4.6	4.9
English Language	33.3	45.1	46.9	46.2	25.9
English Language & Literature	33.3	37.0	33.3	29.6	13.8
English Literature	78.9	90.0	91.2	92.7	89.0
Environmental Science	3.2	7.3	6.8	6.9	0.8
Expressive Arts & Performance Studies	3.8	5.8	5.1	3.3	1.1
Film Studies	21.9	28.9	25.9	22.3	5.9
French	33.7	58.3	76.1	81.7	87.0
General Studies	15.6	25.8	31.3	33.7	22.3
Geography	57.2	80.5	88.4	87.5	88.1
Geology	2.5	6.6	7.4	10.2	6.0
German	16.9	36.3	44.5	57.9	66.2
Government & Politics	28.5	37.4	46.7	49.8	61.1
Gujarati	0.0	0.9	0.9	0.4	0.9
History	82.1	94.0	94.5	93.3	92.6
History of Art	0.8	1.3	1.5	6.0	15.7
Home Economics: Food	1.0	2.4	4.2	4.2	4.7
Information & Communications Technology	25.5	33.8	38.1	35.8	25.9
Irish	0.0	0.0	0.0	0.0	0.2
Italian	6.5	9.2	11.9	15.2	19.5

Subject	Group I	Group II	Group III	Group IV	Group V
Japanese	0.8	2.6	5.1	7.3	17.2
Latin	0.0	2.3	2.8	11.2	47.1
Law	39.4	40.4	34.7	27.5	5.9
Logic/ Philosophy	7.6	8.6	12.1	15.4	13.0
Mathematics	90.7	97.6	97.6	97.5	95.7
Mathematics (Further)	30.0	56.6	73.9	83.1	85.4
Mathematics (Pure)	0.0	0.6	1.1	1.2	0.9
Mathematics (Statistics)	1.3	2.3	2.2	4.0	1.3
Media/Film/TV Studies	58.6	64.3	67.5	52.3	17.0
Modern Greek	1.1	2.3	2.8	3.7	3.8
Modern Hebrew	0.0	0.0	0.6	0.2	1.7
Music	18.3	38.9	57.0	66.7	72.8
Music Technology	12.9	21.4	26.7	26.9	15.1
Other Classical Languages	0.0	0.2	0.0	0.2	1.3
Persian	3.6	5.1	4.4	5.0	4.0
Physical Education/Sports Studies	35.4	65.6	69.5	77.1	63.7
Physics	69.4	88.9	92.8	93.7	91.3
Polish	14.3	20.3	18.4	16.7	10.0
Portuguese	6.5	9.4	9.0	7.1	5.5
Psychology	85.6	92.3	92.3	88.1	65.2
Punjabi	1.0	5.8	2.8	3.5	1.1
Religious Studies	40.7	58.6	68.8	71.2	73.9
Russian	4.6	10.2	11.6	16.0	29.5
Science in Society	0.6	0.8	1.8	1.2	0.4
Social Science: Citizenship	4.9	4.3	2.4	2.9	0.6
Sociology	70.7	76.5	72.2	63.5	23.1
Spanish	23.4	38.7	51.7	61.7	72.2
Turkish	5.3	7.7	8.8	6.3	4.3
Urdu	6.8	7.5	7.7	3.7	1.3
Use of Mathematics	1.9	3.2	2.9	1.0	0.2
World Development	1.7	3.2	1.5	2.9	0.8

Table 13: Provision of A levels by school deprivation group (percentages)

Subject	Low deprivation ⟶ High deprivation				
	Group A	Group B	Group C	Group D	Group E
Accounting/Finance	5.4	5.9	6.0	9.3	11.9
Additional Mathematics	1.6	0.8	1.6	1.3	1.0
Ancient History	1.8	1.3	1.6	1.3	0.0
Anthropology	0.0	0.3	0.3	0.0	0.3
Arabic	4.7	4.4	5.4	7.8	19.4
Archaeology	0.3	0.8	0.3	0.5	0.3
Art & Design	37.8	33.1	37.3	32.0	36.8
Art & Design (3d Studies)	2.3	2.3	0.8	1.8	1.6
Art & Design (Critical Studies)	0.5	0.5	0.8	0.0	0.5
Art & Design (Fine Art)	59.3	64.6	57.8	47.5	30.6
Art & Design (Graphics)	13.7	12.7	9.3	7.0	9.8
Art & Design (Photography)	45.9	44.7	42.5	36.4	30.1
Art & Design (Textiles)	19.2	21.2	18.4	16.5	14.8
Bengali	0.5	0.3	0.5	1.3	4.1
Biology	92.0	94.8	92.2	86.3	77.7
Business Studies: Single	68.1	61.8	58.0	47.3	39.1
Business Studies & Economics	10.4	9.0	6.5	2.6	4.4
Chemistry	92.2	92.8	89.1	81.1	75.6
Chinese	16.1	18.3	14.5	15.0	13.7
Classical Civilisation	12.2	7.0	10.4	7.5	3.9
Classical Greek	1.6	0.8	0.8	0.8	0.3
Classics (General)	1.0	0.8	2.1	1.0	0.3
Communication Studies	4.7	3.6	2.1	2.3	0.5
Computer Studies/Computing	23.3	21.4	14.0	10.1	5.7
Critical Thinking	7.3	5.4	3.9	2.8	0.8
D&T Food Technology	24.1	19.1	13.2	8.0	2.1
D&T Product Design	80.1	73.6	68.1	51.9	35.5
D&T Systems & Control	2.6	2.8	2.8	2.3	0.3
D&T Textiles Technology	29.8	23.0	23.3	15.5	7.0
Dance	18.9	17.8	17.1	11.9	6.7
Drama & Theatre Studies	76.2	65.9	59.6	46.5	32.1
Dutch	2.1	3.9	2.8	4.1	11.9
Economics	60.9	46.0	37.8	31.3	35.0
Electronics	4.1	4.1	2.8	1.3	1.0
English Language	52.6	47.5	44.8	31.8	17.1
English Language & Literature	29.3	32.3	32.4	30.2	21.2
English Literature	89.9	93.5	90.4	80.4	73.8
Environmental Science	6.0	5.7	1.8	1.6	0.5
Expressive Arts & Performance Studies	3.9	3.4	3.9	4.1	1.6
Film Studies	19.9	20.7	19.9	14.0	15.0
French	81.3	75.5	60.4	51.7	38.6
General Studies	40.2	41.3	30.6	22.5	6.0
Geography	90.7	91.7	84.5	67.2	50.3
Geology	9.3	5.4	6.7	0.5	0.5
German	61.9	44.4	37.3	29.7	22.5
Government & Politics	46.4	41.3	37.8	32.0	30.3
Gujarati	0.3	0.3	0.5	1.0	1.6
History	91.2	96.4	95.3	87.6	70.5
History of Art	1.8	0.3	1.0	0.5	0.8
Home Economics: Food	4.4	3.6	1.6	2.1	0.3
Information & Communications Technology	35.2	30.0	30.3	24.3	23.6
Italian	7.0	8.5	7.5	12.1	10.9
Japanese	8.8	3.1	4.7	3.9	1.3

Subject	Group A	Group B	Group C	Group D	Group E
Latin	9.8	6.2	3.9	3.9	1.0
Law	25.4	28.4	28.2	28.4	25.1
Logic/ Philosophy	10.6	7.5	6.0	5.9	7.5
Mathematics	94.3	96.9	95.6	91.5	82.9
Mathematics (Further)	82.4	71.3	63.0	44.2	34.5
Mathematics (Pure)	1.0	0.5	0.3	0.3	0.3
Mathematics (Statistics)	3.4	1.3	1.3	0.8	0.3
Media/Film/TV Studies	58.8	57.4	58.0	59.4	52.8
Modern Greek	2.1	2.6	2.3	3.1	2.3
Modern Hebrew	0.3	1.0	1.3	0.3	0.0
Music	70.7	59.9	49.7	34.1	17.1
Music Technology	28.2	23.5	22.8	15.0	11.1
Other Classical Languages	0.3	0.5	0.5	0.5	0.0
Persian	1.3	1.3	3.1	3.4	12.2
Physical Education/Sports Studies	86.8	78.0	67.9	50.1	22.0
Physics	92.0	91.7	87.3	77.8	64.8
Polish	7.8	15.2	17.1	28.7	22.3
Portuguese	2.1	4.9	5.2	9.3	17.9
Psychology	89.4	90.4	89.4	84.8	78.0
Punjabi	1.6	0.5	2.1	6.2	7.3
Religious Studies	70.2	68.0	64.0	55.8	45.1
Russian	9.1	7.8	6.0	8.0	10.9
Science in Society	3.1	0.8	1.0	0.5	0.3
Social Science: Citizenship	2.6	2.6	3.1	3.4	3.1
Sociology	66.3	69.8	69.4	66.1	67.4
Spanish	52.6	47.5	39.6	33.9	33.2
Turkish	2.8	2.1	4.4	8.0	18.1
Urdu	1.0	1.0	4.7	8.3	17.6
Use of Mathematics	0.8	1.0	1.0	0.8	0.0
World Development	2.1	1.8	0.3	1.6	1.6

Table 14: Provision of A levels by school gender (percentages)

Subject	Boys	Girls	Mixed
Accounting/Finance	1.1	1.5	14.2
Additional Mathematics	3.4	0.5	1.7
Ancient History	5.1	1.0	1.9
Anthropology	0.0	0.0	0.9
Arabic	13.1	7.1	7.5
Archaeology	0.0	0.0	1.8
Art & Design	18.9	26.5	34.4
Art & Design (3d Studies)	0.6	0.7	3.5
Art & Design (Critical Studies)	0.6	1.2	1.3
Art & Design (Fine Art)	29.1	36.3	54.8
Art & Design (Graphics)	4.6	5.1	14.7
Art & Design (Photography)	13.1	18.5	42.8
Art & Design (Textiles)	0.6	15.3	21.1
Bengali	1.7	1.0	1.2
Biology	52.0	64.5	90.2
Business Studies: Single	33.1	38.7	60.9
Business Studies & Economics	2.9	5.6	5.9
Chemistry	52.6	62.8	87.9
Chinese	20.6	27.5	22.0
Classical Civilisation	15.4	25.5	12.8
Classical Greek	10.9	7.5	2.3
Classics (General)	2.3	1.5	1.5
Communication Studies	1.1	0.7	4.8
Computer Studies/Computing	21.1	2.7	17.9
Critical Thinking	2.9	3.6	4.8
D&T Food Technology	0.6	7.3	11.1
D&T Product Design	36.6	19.5	58.3
D&T Systems & Control	2.9	0.0	2.1
D&T Textiles Technology	0.0	13.1	15.8
Dance	0.6	8.0	15.1
Drama & Theatre Studies	28.6	43.8	57.8
Dutch	1.7	1.9	5.2
Economics	45.1	42.6	47.8
Electronics	6.3	0.5	4.5
English Language	18.3	18.5	40.8
English Language & Literature	12.0	9.5	31.3
English Literature	46.3	63.5	86.3
Environmental Science	0.6	0.5	5.6
Expressive Arts & Performance Studies	0.6	1.5	4.0
Film Studies	3.4	4.1	22.8
French	44.0	53.8	63.9
General Studies	14.9	12.7	25.8
Geography	47.4	54.7	77.9
Geology	4.6	1.7	6.7
German	37.7	37.5	41.4
Government & Politics	39.4	34.8	41.6
Gujarati	1.1	0.2	0.7
History	50.3	60.3	89.2
History of Art	2.3	13.4	3.2
Home Economics: Food	1.1	5.4	2.7
Information & Communications Technology	13.1	20.7	31.5
Irish	0.0	0.2	0.0
Italian	8.6	9.7	12.0
Japanese	6.9	9.7	5.4

Subject	Boys	Girls	Mixed
Latin	21.1	24.6	8.4
Law	6.9	6.8	31.8
Logic/ Philosophy	8.0	3.9	11.6
Mathematics	61.7	65.2	94.2
Mathematics (Further)	44.6	43.8	63.4
Mathematics (Pure)	0.6	0.7	0.7
Mathematics (Statistics)	0.6	0.5	2.4
Media/Film/TV Studies	12.0	17.3	55.3
Modern Greek	1.7	2.7	2.6
Modern Hebrew	1.7	0.5	0.4
Music	37.7	42.6	47.3
Music Technology	13.1	4.4	21.7
Other Classical Languages	1.1	0.7	0.2
Persian	2.3	2.2	4.7
Physical Education/Sports Studies	33.7	33.8	62.1
Physics	51.4	54.5	85.4
Polish	9.7	11.4	17.3
Portuguese	3.4	4.1	8.0
Psychology	28.6	56.4	84.7
Punjabi	0.0	1.2	3.2
Religious Studies	35.4	54.0	59.0
Russian	12.0	14.6	13.4
Science in Society	0.0	0.0	1.1
Social Science: Citizenship	0.6	0.0	3.5
Sociology	16.0	25.1	64.4
Spanish	32.0	45.0	46.5
Turkish	2.3	4.4	7.1
Urdu	2.9	5.8	5.8
Use of Mathematics	0.0	0.0	2.1
World Development	1.1	0.5	2.1

Table 15: Provision of A levels by school size (percentages)

Subject	Less than 30	30 to 59	60 to 119	120 to 239	240+
Accounting/Finance	6.9	9.6	10.2	10.9	50.3
Additional Mathematics	0.0	0.5	1.5	4.4	2.5
Ancient History	0.4	0.5	1.7	3.1	10.7
Anthropology	0.0	0.5	0.8	0.3	5.7
Arabic	6.1	5.4	7.0	10.1	18.2
Archaeology	0.0	0.3	0.8	0.2	20.8
Art & Design	13.3	33.1	42.0	37.8	39.6
Art & Design (3d Studies)	1.0	2.0	2.0	4.1	15.7
Art & Design (Critical Studies)	0.3	0.7	1.1	1.6	6.9
Art & Design (Fine Art)	20.4	50.9	58.7	65.7	78.6
Art & Design (Graphics)	2.5	10.1	13.3	14.7	57.2
Art & Design (Photography)	16.2	34.6	43.4	46.3	75.5
Art & Design (Textiles)	4.6	17.9	21.1	23.2	57.9
Bengali	1.0	1.5	0.9	1.1	1.9
Biology	39.6	94.1	99.3	99.8	100.0
Business Studies: Single	23.1	47.0	67.2	75.8	95.6
Business Studies & Economics	2.2	6.6	6.5	8.6	1.9
Chemistry	35.4	90.7	98.2	99.7	100.0
Chinese	11.0	18.4	26.0	30.1	41.5
Classical Civilisation	2.7	8.8	16.5	23.7	43.4
Classical Greek	0.4	2.4	3.5	8.1	2.5
Classics (General)	0.0	0.8	2.1	2.7	3.1
Communication Studies	0.7	3.0	3.4	5.1	20.8
Computer Studies/Computing	0.9	6.9	13.9	29.8	69.8
Critical Thinking	0.9	1.0	4.3	7.0	25.2
D&T Food Technology	1.3	6.9	11.6	19.5	11.9
D&T Product Design	12.3	46.2	66.6	78.2	55.3
D&T Systems & Control	0.0	1.0	2.2	4.2	1.3
D&T Textiles Technology	2.9	11.5	17.1	26.1	15.7
Dance	3.5	7.6	12.9	19.7	53.5
Drama & Theatre Studies	11.6	44.7	66.8	82.2	92.5
Dutch	2.2	4.2	4.3	6.2	11.3
Economics	11.6	32.2	55.4	76.3	92.5
Electronics	0.4	0.3	2.6	7.5	27.7
English Language	15.2	30.0	41.4	46.3	83.6
English Language & Literature	13.4	21.4	27.6	35.9	69.8
English Literature	38.0	87.5	94.2	98.0	100.0
Environmental Science	0.3	1.7	3.8	6.6	30.2
Expressive Arts & Performance Studies	0.7	1.7	3.9	3.6	19.5
Film Studies	3.9	14.8	19.7	25.1	72.3
French	17.5	49.6	74.0	93.4	98.1
General Studies	4.8	16.2	29.3	36.7	45.3
Geography	22.3	73.9	90.0	97.3	98.7
Geology	0.1	1.2	5.1	9.2	39.6
German	10.7	24.1	47.7	69.4	78.6
Government & Politics	7.8	29.0	44.3	68.3	93.1
Gujarati	0.6	0.0	0.8	1.2	0.6
History	37.1	91.9	97.8	99.8	100.0
History of Art	1.3	4.7	5.7	4.7	11.3
Home Economics: Food	1.3	2.5	3.7	4.1	4.4
Information & Communications Technology	7.5	26.0	33.3	40.4	62.9
Irish	0.0	0.2	0.0	0.0	0.0
Italian	3.5	7.1	13.3	16.1	34.6

Subject	Less than 30	30 to 59	60 to 119	120 to 239	240+
Japanese	2.0	2.7	6.8	10.8	13.2
Latin	1.2	7.4	14.3	22.9	8.8
Law	10.0	25.1	29.0	30.6	79.2
Logic/ Philosophy	1.3	4.6	8.7	15.8	57.9
Mathematics	52.2	98.0	99.6	100.0	100.0
Mathematics (Further)	11.3	46.5	73.8	94.9	99.4
Mathematics (Pure)	0.0	1.0	0.9	0.6	1.3
Mathematics (Statistics)	0.0	0.7	2.1	2.3	13.8
Media/Film/TV Studies	16.5	48.4	57.3	55.7	91.8
Modern Greek	0.6	1.3	3.2	4.2	5.7
Modern Hebrew	0.4	0.3	0.8	0.2	0.6
Music	7.8	33.4	55.4	78.5	79.9
Music Technology	2.5	12.6	20.3	31.0	54.1
Other Classical Languages	0.4	0.3	0.4	0.3	0.0
Persian	2.5	4.2	3.5	5.6	10.1
Physical Education/Sports Studies	12.1	48.1	70.4	85.2	90.6
Physics	30.1	84.1	96.3	99.2	100.0
Polish	11.7	13.7	15.3	17.6	41.5
Portuguese	3.9	6.2	7.1	7.6	23.3
Psychology	38.9	88.0	89.6	87.8	97.5
Punjabi	1.6	3.5	2.6	3.3	3.8
Religious Studies	16.3	50.4	71.0	81.7	81.8
Russian	4.3	12.3	15.0	18.7	28.9
Science in Society	0.3	0.3	0.6	1.9	3.1
Social Science: Citizenship	1.2	3.0	2.7	2.5	10.7
Sociology	23.7	57.7	64.9	67.9	94.3
Spanish	11.6	35.9	52.8	70.2	88.7
Turkish	4.0	5.1	6.5	8.0	15.7
Urdu	4.9	4.6	6.3	5.3	10.1
Use of Mathematics	0.1	0.5	0.7	1.2	19.5
World Development	0.3	1.0	1.1	2.2	13.8