

# Provision of GCE A level subjects 2010

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## Introduction

This report looks at the provision of A level subjects in England in 2010. 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. Provision figures for 2004 can be found in the Statistics Report Series No. 1 (Vidal Rodeiro, 2005).

It has been claimed that higher numbers of pupils studying subjects such as mathematics, sciences or modern foreign languages is beneficial for society as a whole. For example, in the last few years there have been concerns over an apparent decline in the number of A level mathematicians, and the damage this would do to the economy and our society as a whole (Smith, 2004; Gardiner, 2006). More recently, the Royal Society (2011) was concerned about the numbers of schools not offering physics A level, with 17% of schools and colleges not having a single pupil studying for it in 2009. Therefore, in order to promote provision where numbers are low it is of interest to know what percentages of schools offer each A level 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 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 2010. Provision of applied A level subjects and other qualifications (e.g. Pre-U, International Baccalaureate) was not investigated.

### *School Type*

**Table 1: School type**

<b>School Type</b>	<b>Number of Schools</b>	<b>Percentage</b>
Academy	115	4.1
Comprehensive	1,420	50.5
FE\Tertiary College	207	7.4
Grammar	164	5.8
Independent	564	20.1
Secondary Modern	101	3.6
Sixth Form College	135	4.8

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.

### *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 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**

	<b>School Ability Group</b>	<b>Number of Schools</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Mean</b>
Low ↓ High	Group I	518	60.0	241.3	218.0
	Group II	519	241.3	261.8	252.5
	Group III	517	261.8	278.8	270.2
	Group IV	518	278.9	301.4	289.0
	Group V	518	301.5	420.0	329.0

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**

	<b>School Deprivation Group</b>	<b>Number of Schools</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Mean</b>
Low ↓ High	Group A	367	0.02	0.10	0.08
	Group B	368	0.10	0.13	0.11
	Group C	368	0.13	0.18	0.15
	Group D	368	0.18	0.27	0.22
	Group E	367	0.27	0.70	0.38

*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**

<b>School Sex</b>	<b>Number of Schools</b>	<b>Percentage</b>
Boys	164	5.9
Girls	348	12.4
Mixed	2,285	81.7

*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 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**

<b>School Size</b>	<b>Number of Schools</b>	<b>Percentage</b>
Less than 30	599	21.4
30-59	586	21.0
60-119	919	32.9
120-239	545	19.5
240 or greater	148	5.3

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 academy schools tend to have small sixth forms (with 47% having fewer than 30 students taking A levels), as do secondary moderns (47.5% having fewer than 30 students). Sixth form colleges however, tend to be relatively large (64.4% have more than 240 A level students).

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

School Type	School size				
	Less than 30	30-59	60-119	120-239	240 or greater
Academy	47.0	29.6	15.7	7.8	0.0
Comprehensive	12.9	24.3	40.7	20.8	1.3
FE\Tertiary College	26.7	17.5	23.3	17.0	15.5
Grammar	1.2	1.2	29.3	64.0	4.3
Independent	30.3	22.3	34.0	12.8	0.5
Secondary Modern	47.5	29.7	19.8	3.0	0.0
Sixth Form College	5.2	4.4	10.4	15.6	64.4

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

School Ability Group	School size				
	Less than 30	30-59	60-119	120-239	240 or greater
Group I	32.2	36.4	23.4	5.8	2.1
Group II	11.6	26.0	42.4	13.1	6.9
Group III	7.7	19.0	42.2	20.9	10.3
Group IV	9.7	15.8	34.7	32.8	6.9
Group V	14.4	16.0	34.4	32.9	2.3

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

School Deprivation Group	School size				
	Less than 30	30-59	60-119	120-239	240 or greater
Group A	7.4	9.0	43.3	39.2	1.1
Group B	8.4	18.5	41.0	28.8	3.3
Group C	9.5	24.5	39.9	25.0	1.1
Group D	23.1	32.3	30.7	13.3	0.5
Group E	34.9	28.6	26.7	8.7	1.1

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

<b>School Gender</b>	<b>School size</b>				
	<b>Less than 30</b>	<b>30-59</b>	<b>60-119</b>	<b>120-239</b>	<b>240 or greater</b>
Boys School	47.6	6.7	23.8	20.1	1.8
Girls School	37.9	23.9	26.1	12.1	0.0
Mixed School	17.0	21.5	34.5	20.6	6.3

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 66.1% of Academy schools had students taking Chemistry A level, compared with 99.4% of Grammar schools. Table 12 shows that 72.2% of schools in the lowest attainment group had students taking Chemistry, compared with 92.5% of schools in the highest attainment group.

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

<b>Subject</b>	<b>Academy</b>	<b>Comp</b>	<b>FE\Ter</b>	<b>Gram</b>	<b>Indep</b>	<b>Sec Mod</b>	<b>6th Form</b>
Accounting/Finance	7.8	7.8	39.6	3.0	8.3	5.9	58.5
Additional Mathematics	0.9	0.5	0.0	3.0	3.5	1.0	1.5
Ancient History	0.9	0.8	2.4	3.0	3.0	1.0	8.9
Arabic	9.6	4.9	5.8	4.9	3.0	3.0	17.0
Archaeology	0.9	0.7	7.2	0.0	0.2	0.0	14.1
Art & Design	40.9	38.2	19.3	34.1	32.8	39.6	27.4
Art & Design (3d Studies)	0.9	1.5	5.8	0.0	3.7	4.0	14.1
Art & Design (Critical Studies)	0.0	0.4	1.0	0.0	0.9	0.0	2.2
Art & Design (Fine Art)	36.5	54.4	45.4	66.5	55.3	31.7	72.6
Art & Design (Graphics)	7.0	9.4	25.6	6.1	5.7	9.9	49.6
Art & Design (Photography)	24.3	31.4	49.3	15.2	20.6	25.7	57.8
Art & Design (Textiles)	13.0	18.5	24.6	8.5	13.8	14.9	54.8
Bengali	0.9	0.8	0.5	0.6	0.2	0.0	3.0
Biology	73.0	92.0	72.9	99.4	87.1	56.4	94.8
Business Studies:Single	39.1	57.5	72.9	74.4	62.9	28.7	93.3
Business Studies & Economics	1.7	6.3	3.4	8.5	5.3	3.0	1.5
Chemistry	66.1	88.4	68.6	99.4	84.4	42.6	96.3
Chinese	7.8	8.2	12.6	25.6	36.0	5.0	27.4
Classical Civilisation	3.5	5.8	8.2	32.9	36.3	2.0	36.3
Classical Greek	0.9	0.0	0.5	4.3	15.4	0.0	1.5
Classics (General)	0.0	0.4	0.5	4.9	3.4	1.0	3.7
Communication Studies	1.7	2.8	18.8	3.0	0.9	5.0	20.7
Computer Studies/Computing	7.0	15.3	24.6	31.7	11.7	2.0	68.1
Critical Thinking	2.6	6.3	9.7	21.3	3.7	1.0	23.7
D&T Food Technology	4.3	17.5	0.0	16.5	5.7	7.9	5.9
D&T Product Design	36.5	71.0	9.2	85.4	46.6	50.5	47.4
D&T Systems & Control	1.7	2.6	0.0	3.0	2.5	1.0	1.5
D&T Textiles Technology	10.4	23.4	0.0	20.1	7.4	9.9	8.1
Dance	7.8	17.7	15.0	7.3	3.0	9.9	42.2
Drama & Theatre Studies	38.3	66.1	30.4	68.3	59.4	33.7	74.8
Dutch	7.0	3.3	2.4	0.6	1.4	1.0	5.2
Economics	19.1	38.7	30.0	73.2	63.3	9.9	77.0
Electronics	1.7	3.5	5.8	9.8	3.0	0.0	31.1
English Language	25.2	39.9	46.9	34.8	17.4	15.8	74.1
English Language & Literature	25.2	28.7	56.0	25.0	8.3	19.8	68.1
English Literature	71.3	89.5	63.8	97.0	83.2	77.2	95.6
Environmental Science	1.7	4.6	17.4	3.0	2.0	1.0	26.7
Expressive Arts & Performance Studies	5.2	5.7	2.9	1.8	1.6	5.0	25.9
Film Studies	6.1	18.3	53.6	12.8	4.4	12.9	71.1
French	33.9	65.7	35.7	94.5	76.2	30.7	86.7
General Studies	16.5	37.0	8.7	59.8	15.8	14.9	42.2
Geography	47.8	83.0	44.4	98.2	80.1	57.4	88.1
Geology	1.7	3.9	9.7	12.2	3.5	1.0	33.3
German	21.7	41.3	17.9	82.9	59.0	7.9	70.4
Government & Politics	20.0	34.0	38.6	71.3	41.3	16.8	80.7
Gujarati	0.0	0.4	1.0	0.0	0.2	1.0	0.7
History	67.8	90.6	65.7	99.4	83.5	64.4	94.1
History of Art	0.0	0.6	3.4	3.0	17.6	0.0	9.6
Home Economics: Food	0.9	2.7	0.5	4.3	7.8	2.0	1.5
Information & Communications Technology	20.9	31.9	38.6	46.3	30.7	10.9	60.0
Italian	0.9	7.3	10.1	6.7	14.5	1.0	24.4
Japanese	0.0	3.0	2.4	7.9	7.8	0.0	3.0
Latin	1.7	2.7	0.5	24.4	41.0	0.0	6.7
Law	26.1	32.8	69.6	14.0	6.9	29.7	83.7

<b>Subject</b>	<b>Academy</b>	<b>Comp</b>	<b>FE\Ter</b>	<b>Gram</b>	<b>Indep</b>	<b>Sec Mod</b>	<b>6th Form</b>
Logic/ Philosophy	5.2	7.0	18.8	13.4	9.0	2.0	48.9
Mathematics	79.1	94.4	73.4	99.4	90.4	73.3	97.8
Mathematics (Further)	23.5	56.0	37.2	93.3	70.0	15.8	86.7
Mathematics (Pure)	0.9	0.4	0.5	1.8	0.7	1.0	2.2
Mathematics (Statistics)	1.7	1.4	3.4	1.8	0.9	2.0	14.8
Media/Film/Tv Studies	47.0	62.7	66.7	36.0	11.0	51.5	85.9
Modern Greek	0.0	1.8	0.0	1.2	2.1	2.0	5.2
Modern Hebrew	0.0	0.6	0.0	0.0	0.5	0.0	1.5
Music	22.6	51.7	15.5	84.8	64.2	16.8	68.9
Music Technology	11.3	26.6	12.1	18.9	14.0	15.8	48.9
Other Classical Languages	0.0	0.2	0.0	0.0	0.5	0.0	0.0
Persian	3.5	2.7	1.9	1.8	2.0	1.0	7.4
Physical Education/Sports Studies	40.0	73.0	28.0	87.8	60.6	39.6	80.0
Physics	55.7	83.7	60.9	99.4	82.3	38.6	94.8
Polish	6.1	8.1	3.4	4.9	4.3	8.9	24.4
Portuguese	9.6	4.9	4.8	2.4	2.3	1.0	12.6
Psychology	68.7	87.0	79.2	80.5	52.3	66.3	94.8
Punjabi	4.3	1.7	1.4	0.6	0.2	0.0	3.0
Religious Studies	36.5	60.8	17.9	83.5	60.5	33.7	66.7
Russian	3.5	5.7	7.2	8.5	21.1	3.0	21.5
Science SA	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Science in Society	0.9	1.4	1.9	3.0	0.4	1.0	3.0
Social Science: Citizenship	1.7	2.9	3.4	1.2	0.0	2.0	8.9
Sociology	58.3	70.4	78.3	47.0	12.1	53.5	92.6
Spanish	20.9	36.3	28.5	64.6	62.2	19.8	74.8
Turkish	1.7	4.8	3.9	3.0	2.1	1.0	11.1
Urdu	8.7	5.0	5.8	3.0	2.1	4.0	12.6
Use of Mathematics	0.0	0.5	3.4	0.0	0.0	0.0	7.4
World Development	1.7	1.1	4.8	0.6	0.2	0.0	5.9

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

Subject	Low attainment <span style="float: right;">→</span> High attainment				
	Group I	Group II	Group III	Group IV	Group V
Accounting/Finance	7.7	10.6	8.5	5.6	2.0
Additional Mathematics	0.0	0.3	0.6	0.9	2.0
Ancient History	0.0	0.9	0.9	1.6	2.0
Arabic	3.0	4.1	6.0	5.0	9.8
Archaeology	1.3	0.3	0.9	0.6	0.0
Art & Design	36.9	38.9	40.1	42.9	37.3
Art & Design (3d Studies)	0.7	2.7	0.3	3.1	0.0
Art & Design (Critical Studies)	0.3	0.6	0.3	0.6	0.0
Art & Design (Fine Art)	48.0	57.2	58.5	59.0	64.7
Art & Design (Graphics)	6.7	10.9	9.7	11.2	11.8
Art & Design (Photography)	22.8	31.6	37.5	38.5	21.6
Art & Design (Textiles)	13.8	18.6	20.7	22.7	23.5
Bengali	1.3	0.3	0.6	0.9	0.0
Biology	88.6	95.9	98.9	97.8	96.1
Business Studies:Single	54.0	56.6	64.2	63.7	62.7
Business Studies & Economics	4.0	7.4	6.8	7.8	5.9
Chemistry	79.9	93.8	96.9	95.7	92.2
Chinese	5.0	8.0	10.5	10.6	5.9
Classical Civilisation	2.3	2.9	8.0	9.6	13.7
Classics (General)	0.0	0.3	0.3	0.9	2.0
Communication Studies	2.7	3.5	3.4	2.2	2.0
Computer Studies/Computing	8.1	13.9	18.5	23.0	13.7
Critical Thinking	1.7	6.5	9.1	7.8	5.9
D&T Food Technology	9.1	18.9	21.3	23.3	13.7
D&T Product Design	62.4	72.3	76.7	82.6	78.4
D&T Systems & Control	1.7	2.7	3.7	3.1	0.0
D&T Textiles Technology	16.8	24.8	27.8	28.0	19.6
Dance	10.4	23.0	21.0	19.3	11.8
Drama & Theatre Studies	50.3	68.4	76.1	78.6	66.7
Dutch	3.7	4.7	2.6	2.8	0.0
Economics	19.1	35.7	45.5	54.7	68.6
Electronics	3.4	3.2	3.4	4.0	5.9
English Language	32.9	40.7	43.8	48.8	29.4
English Language & Literature	22.5	29.2	35.2	32.0	23.5
English Literature	86.9	92.6	94.0	95.3	94.1
Environmental Science	4.4	3.2	8.0	4.0	2.0
Expressive Arts & Performance Studies	5.7	8.3	4.8	5.6	2.0
Film Studies	18.8	19.2	20.2	18.6	15.7
French	44.0	64.9	75.0	83.5	90.2
General Studies	37.6	36.3	40.3	42.2	23.5
Geography	71.8	86.7	90.6	93.8	90.2
Geology	1.7	4.1	5.4	4.7	5.9
German	22.8	35.4	47.2	63.0	52.9
Government & Politics	24.5	32.4	39.5	40.1	60.8
Gujarati	0.7	0.6	0.3	0.3	0.0
History	85.9	95.6	96.0	98.4	92.2
History of Art	0.0	0.6	0.6	0.6	5.9
Home Economics: Food	0.7	2.1	3.1	5.0	3.9
Information & Communications Technology	25.2	35.1	37.2	34.2	33.3
Italian	5.0	5.6	7.7	11.2	11.8
Japanese	1.0	1.8	4.3	3.7	11.8
Latin	0.7	0.9	1.4	7.5	9.8
Law	35.9	38.6	33.5	30.4	19.6

<b>Subject</b>	<b>Group I</b>	<b>Group II</b>	<b>Group III</b>	<b>Group IV</b>	<b>Group V</b>
Logic/ Philosophy	4.7	5.9	8.2	9.6	9.8
Mathematics	94.0	98.2	99.7	98.8	96.1
Mathematics (Further)	27.5	49.6	68.8	81.1	82.4
Mathematics (Pure)	1.0	0.3	0.6	0.0	0.0
Mathematics (Statistics)	0.3	1.2	1.7	2.5	2.0
Media/Film/Tv Studies	62.8	67.8	69.0	63.7	47.1
Modern Greek	2.3	1.5	1.1	1.9	3.9
Modern Hebrew	0.0	0.6	0.3	0.6	7.8
Music	28.9	49.9	57.4	72.7	80.4
Music Technology	17.8	28.0	32.1	31.7	29.4
Other Classical Languages	0.0	0.3	0.0	0.0	3.9
Persian	2.3	2.4	2.8	3.1	3.9
Physical Education/Sports Studies	59.7	76.7	81.0	84.2	80.4
Physics	70.5	86.7	93.2	96.0	94.1
Polish	7.7	6.5	8.5	7.5	19.6
Portuguese	4.0	4.1	5.4	5.6	9.8
Psychology	85.2	91.7	93.5	91.3	86.3
Punjabi	2.7	2.7	1.7	0.3	0.0
Religious Studies	50.0	54.9	66.8	77.3	82.4
Russian	3.7	4.4	5.1	8.4	15.7
Science in Society	1.7	2.1	1.7	0.6	0.0
Social Science: Citizenship	4.7	3.5	2.3	1.9	0.0
Sociology	68.5	71.7	75.6	76.4	66.7
Spanish	22.1	31.3	46.3	44.7	66.7
Turkish	3.4	6.2	5.1	3.7	9.8
Urdu	4.7	5.6	6.5	2.8	0.0
Use of Mathematics	0.0	0.6	1.1	0.3	0.0
World Development	1.0	0.3	0.9	2.5	2.0

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

Subject	Low attainment			High attainment	
	Group I	Group II	Group III	Group IV	Group V
Accounting/Finance	16.8	18.7	15.5	8.9	6.2
Additional Mathematics	0.0	0.2	0.8	1.5	4.4
Ancient History	0.4	1.3	3.3	1.5	4.1
Arabic	3.7	5.2	8.3	5.0	3.3
Archaeology	1.2	2.1	3.7	1.9	0.4
Art & Design	31.7	37.8	37.9	40.9	34.9
Art & Design (3d Studies)	1.7	3.7	3.1	4.6	2.5
Art & Design (Critical Studies)	0.4	0.8	0.2	1.0	0.8
Art & Design (Fine Art)	45.2	57.0	60.7	58.5	60.2
Art & Design (Graphics)	10.2	16.6	14.5	13.1	6.4
Art & Design (Photography)	24.7	38.3	40.2	35.1	19.9
Art & Design (Textiles)	15.1	21.8	24.6	23.4	13.7
Bengali	1.0	0.6	0.6	1.0	0.2
Biology	80.9	93.3	98.1	96.7	93.1
Business Studies:Single	57.9	63.2	70.0	68.0	61.4
Business Studies & Economics	3.3	6.2	6.4	6.9	5.8
Chemistry	72.2	90.0	95.7	94.2	92.5
Chinese	6.0	10.8	16.1	19.5	33.2
Classical Civilisation	3.5	5.6	13.3	17.8	41.1
Classical Greek	0.0	0.0	0.6	2.1	16.4
Classics (General)	0.0	0.8	1.0	2.3	3.7
Communication Studies	7.1	5.0	7.0	3.7	1.7
Computer Studies/Computing	9.5	19.3	24.8	24.3	17.8
Critical Thinking	1.9	7.9	11.2	9.3	8.5
D&T Food Technology	6.0	13.9	17.4	18.3	7.7
D&T Product Design	45.9	58.8	68.9	74.3	58.1
D&T Systems & Control	1.2	2.1	2.9	2.5	2.9
D&T Textiles Technology	10.8	17.5	21.9	22.6	11.8
Dance	8.7	21.4	21.3	17.4	5.6
Drama & Theatre Studies	40.5	61.1	73.9	72.8	66.0
Dutch	3.1	4.2	2.9	2.5	1.4
Economics	21.4	38.0	47.6	56.8	74.9
Electronics	3.1	4.8	7.9	5.2	5.8
English Language	31.5	42.4	44.7	43.4	23.6
English Language & Literature	27.4	36.8	37.3	29.3	14.3
English Literature	80.9	89.6	93.6	92.5	90.9
Environmental Science	5.0	7.9	10.8	6.2	1.7
Expressive Arts & Performance Studies	5.4	9.2	5.8	5.8	2.1
Film Studies	24.3	27.7	28.2	19.3	5.6
French	38.6	60.5	75.2	82.6	87.3
General Studies	27.2	30.3	37.3	37.3	27.0
Geography	60.8	80.9	89.9	89.8	88.0
Geology	1.7	6.6	10.3	6.9	6.2
German	18.7	33.1	50.3	63.5	70.3
Government & Politics	27.2	36.6	43.3	43.6	56.6
Gujarati	0.6	0.4	0.6	0.4	0.2
History	77.4	92.3	95.7	94.6	91.9
History of Art	0.8	1.0	2.9	4.1	18.0
Home Economics: Food	0.6	2.1	3.5	5.6	6.6
Information & Communications Technology	26.6	38.5	41.8	38.0	31.1
Italian	4.6	7.1	9.7	12.5	15.1
Japanese	1.0	1.3	5.2	5.0	8.1
Latin	0.4	1.0	3.7	11.6	45.6

<b>Subject</b>	<b>Group I</b>	<b>Group II</b>	<b>Group III</b>	<b>Group IV</b>	<b>Group V</b>
Law	42.3	45.3	40.0	29.2	8.9
Logic/ Philosophy	6.6	10.0	14.5	12.2	12.5
Mathematics	88.4	96.0	98.6	97.9	95.4
Mathematics (Further)	23.4	50.5	69.6	80.3	84.2
Mathematics (Pure)	0.8	0.2	1.0	0.6	1.0
Mathematics (Statistics)	1.5	2.3	3.3	3.1	1.5
Media/Film/Tv Studies	59.8	69.2	69.4	53.3	15.6
Modern Greek	1.7	1.2	1.2	2.7	2.5
Modern Hebrew	0.0	0.6	0.4	0.8	1.2
Music	23.0	43.4	58.0	70.8	75.9
Music Technology	14.3	24.9	32.5	29.9	17.0
Other Classical Languages	0.0	0.2	0.0	0.2	0.8
Persian	1.5	3.7	3.1	3.1	1.9
Physical Education/Sports Studies	46.7	69.2	78.7	81.5	67.2
Physics	62.5	84.8	92.1	93.2	91.3
Polish	6.9	7.3	9.3	7.1	6.8
Portuguese	4.4	4.4	6.8	6.0	2.3
Psychology	80.5	89.8	90.3	86.3	61.4
Punjabi	2.3	1.9	1.5	1.0	0.4
Religious Studies	38.6	49.9	65.2	72.6	73.6
Russian	3.7	5.6	8.1	13.1	20.5
Science SA	0.0	0.0	0.2	0.2	0.0
Science in Society	1.5	1.5	2.1	1.2	0.8
Social Science: Citizenship	4.1	3.5	3.3	1.5	0.4
Sociology	68.0	73.4	72.9	64.7	22.6
Spanish	20.8	33.7	51.1	51.9	69.7
Turkish	3.7	5.4	5.2	3.5	2.9
Urdu	5.2	5.8	6.2	3.7	1.5
Use of Mathematics	0.6	1.3	2.5	0.4	0.0
World Development	1.2	1.0	2.3	2.5	0.6

**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	5.5	5.7	5.2	8.7	12.5
Additional Mathematics	1.1	1.1	0.8	0.5	0.3
Ancient History	1.6	2.2	1.1	0.3	0.0
Arabic	1.4	2.7	4.4	4.4	12.3
Archaeology	1.1	0.5	0.8	0.0	0.5
Art & Design	37.6	37.2	34.8	35.6	41.7
Art & Design (3d Studies)	1.9	1.6	1.6	1.6	1.1
Art & Design (Critical Studies)	0.3	0.0	0.5	0.0	0.8
Art & Design (Fine Art)	60.2	60.1	59.2	52.2	34.6
Art & Design (Graphics)	11.4	9.8	9.8	6.8	6.8
Art & Design (Photography)	30.5	31.3	35.3	27.7	21.3
Art & Design (Textiles)	20.4	18.8	17.1	16.3	12.3
Bengali	0.0	0.3	0.3	0.3	2.5
Biology	93.5	94.0	94.3	85.6	77.4
Business Studies:Single	65.4	64.7	63.0	47.8	40.6
Business Studies & Economics	9.3	7.6	5.7	3.5	3.8
Chemistry	92.1	91.9	90.0	77.2	72.8
Chinese	9.5	9.5	9.5	10.1	9.0
Classical Civilisation	8.7	10.3	13.3	3.3	4.4
Classical Greek	0.3	0.8	0.3	0.5	0.3
Classics (General)	1.1	0.3	2.2	0.0	0.5
Communication Studies	6.3	2.7	3.0	1.9	0.8
Computer Studies/Computing	23.2	21.7	16.6	9.2	7.9
Critical Thinking	11.2	8.2	7.6	5.7	2.7
D&T Food Technology	24.3	23.1	18.5	9.2	3.8
D&T Product Design	83.1	81.5	78.5	57.6	42.0
D&T Systems & Control	2.7	3.0	4.6	1.4	0.8
D&T Textiles Technology	32.2	22.8	23.9	16.6	11.2
Dance	21.3	17.1	18.8	15.8	5.5
Drama & Theatre Studies	78.8	75.3	67.4	52.7	37.6
Dutch	0.8	0.3	2.2	2.7	9.5
Economics	53.1	42.9	38.6	27.5	31.9
Electronics	5.5	4.9	5.4	1.9	1.4
English Language	50.1	42.4	42.9	32.3	16.6
English Language & Literature	27.5	34.2	34.0	23.6	19.9
English Literature	92.6	92.1	91.0	84.0	79.3
Environmental Science	7.1	4.9	4.1	3.8	0.5
Expressive Arts & Performance Studies	5.2	6.0	6.3	6.5	3.3
Film Studies	19.1	17.4	21.7	12.0	14.2
French	81.5	76.9	69.6	50.5	42.0
General Studies	48.5	48.1	42.1	29.4	12.8
Geography	92.9	92.4	89.7	74.2	50.7
Geology	9.3	6.0	6.0	0.5	0.5
German	64.9	55.2	43.2	27.5	18.3
Government & Politics	41.1	36.4	40.5	28.5	31.1
Gujarati	0.0	0.0	0.8	0.0	1.1
History	93.5	95.1	93.8	87.5	70.8
History of Art	1.1	1.1	0.0	0.8	0.8
Home Economics: Food	4.4	3.0	2.7	2.5	0.5
Information & Communications Technology	36.8	33.7	34.2	23.4	28.9
Italian	5.2	7.1	6.0	5.7	8.2
Japanese	4.4	2.2	2.7	3.3	2.7
Latin	6.8	6.0	4.4	2.2	2.7

<b>Subject</b>	<b>Group A</b>	<b>Group B</b>	<b>Group C</b>	<b>Group D</b>	<b>Group E</b>
Law	29.7	28.0	35.1	32.1	29.2
Logic/ Philosophy	11.2	5.7	6.5	6.3	6.5
Mathematics	94.3	96.2	97.3	88.6	84.2
Mathematics (Further)	82.0	68.2	58.7	38.0	27.5
Mathematics (Pure)	0.5	0.8	0.0	1.1	0.5
Mathematics (Statistics)	3.0	1.4	1.9	0.3	0.8
Media/Film/Tv Studies	55.6	60.9	64.4	57.3	55.3
Modern Greek	0.5	1.6	1.6	3.3	2.2
Modern Hebrew	0.5	0.8	1.4	0.0	0.0
Music	72.2	64.7	57.1	38.9	21.0
Music Technology	31.3	29.4	28.3	19.3	12.5
Other Classical Languages	0.0	0.0	0.5	0.0	0.3
Persian	1.4	1.9	1.1	2.5	7.1
Physical Education/Sports Studies	86.7	86.4	78.5	62.0	35.2
Physics	90.7	89.7	88.3	73.4	59.7
Polish	2.2	7.9	7.1	9.0	12.3
Portuguese	3.0	1.4	3.8	1.9	13.4
Psychology	86.9	88.3	90.8	78.8	73.8
Punjabi	0.0	0.3	1.1	2.2	5.7
Religious Studies	68.7	66.6	62.8	52.7	46.1
Russian	4.6	7.3	7.3	4.4	5.2
Science in Society	2.7	1.1	2.2	1.4	0.5
Social Science: Citizenship	2.5	2.2	3.5	2.7	3.0
Sociology	64.6	67.7	71.2	60.1	67.9
Spanish	46.1	42.7	36.7	27.7	30.8
Turkish	3.0	1.4	2.2	3.8	10.9
Urdu	0.8	1.4	1.9	6.3	14.7
Use of Mathematics	0.5	0.0	0.8	0.5	0.0
World Development	1.6	0.8	1.4	0.8	1.1

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

<b>Subject</b>	<b>Boys</b>	<b>Girls</b>	<b>Mixed</b>
Accounting/Finance	6.1	3.4	14.6
Additional Mathematics	5.5	0.9	1.1
Ancient History	6.7	0.9	1.8
Arabic	6.7	5.5	5.3
Archaeology	0.0	0.0	2.1
Art & Design	23.8	33.3	35.1
Art & Design (3d Studies)	0.6	1.1	3.3
Art & Design (Critical Studies)	0.6	0.6	0.6
Art & Design (Fine Art)	34.8	45.7	55.3
Art & Design (Graphics)	4.9	5.5	12.7
Art & Design (Photography)	12.2	17.0	33.1
Art & Design (Textiles)	0.0	16.7	20.0
Bengali	1.2	0.3	0.7
Biology	61.0	78.7	89.1
Business Studies:Single	45.1	43.4	63.4
Business Studies & Economics	3.0	7.2	5.2
Chemistry	57.3	74.7	85.7
Chinese	18.3	20.4	15.2
Classical Civilisation	14.6	33.6	12.3
Classical Greek	13.4	8.3	2.1
Classics (General)	3.7	2.0	1.2
Communication Studies	1.8	1.4	5.2
Computer Studies/Computing	23.2	3.4	19.5
Critical Thinking	5.5	6.3	7.6
D&T Food Technology	0.6	9.2	12.9
D&T Product Design	45.1	26.7	62.2
D&T Systems & Control	4.9	0.0	2.3
D&T Textiles Technology	0.0	19.3	16.3
Dance	0.0	7.5	16.0
Drama & Theatre Studies	29.9	55.5	61.0
Dutch	0.6	1.4	3.2
Economics	48.8	44.5	44.0
Electronics	6.7	0.0	5.6
English Language	17.1	18.4	38.5
English Language & Literature	13.4	12.4	30.6
English Literature	57.9	77.0	87.0
Environmental Science	1.2	1.1	7.0
Expressive Arts & Performance Studies	3.7	2.0	5.9
Film Studies	2.4	2.6	23.4
French	50.6	67.8	64.6
General Studies	22.6	17.8	31.8
Geography	53.7	69.8	78.7
Geology	6.1	2.0	6.5
German	36.6	44.3	44.4
Government & Politics	42.1	39.4	38.2
Gujarati	0.6	0.3	0.4
History	61.0	73.9	87.5
History of Art	2.4	15.8	3.5
Home Economics: Food	0.6	9.5	2.7
Information & Communications Technology	19.5	27.0	34.5
Italian	9.1	12.6	8.8
Japanese	6.1	6.0	3.4
Latin	23.8	31.6	7.6
Law	9.8	8.6	35.9

<b>Subject</b>	<b>Boys</b>	<b>Girls</b>	<b>Mixed</b>
Logic/ Philosophy	9.1	4.6	11.4
Mathematics	65.9	78.7	92.6
Mathematics (Further)	50.6	50.0	58.6
Mathematics (Pure)	0.6	0.9	0.7
Mathematics (Statistics)	1.2	0.9	2.5
Media/Film/Tv Studies	19.5	21.0	56.3
Modern Greek	3.0	1.4	2.0
Modern Hebrew	1.2	0.9	0.5
Music	42.1	51.7	50.9
Music Technology	13.4	4.6	25.2
Other Classical Languages	1.2	0.9	0.0
Persian	1.8	2.6	2.7
Physical Education/Sports Studies	40.9	44.5	68.2
Physics	58.5	64.7	82.3
Polish	4.9	5.7	7.8
Portuguese	1.8	4.0	4.8
Psychology	31.7	64.1	81.1
Punjabi	0.6	0.6	1.6
Religious Studies	41.5	64.4	55.4
Russian	10.4	9.2	9.7
Science SA	0.0	0.0	0.1
Science in Society	0.0	0.9	1.5
Social Science: Citizenship	0.6	0.3	2.8
Sociology	15.9	30.2	63.3
Spanish	35.4	54.0	41.4
Turkish	0.6	4.6	4.2
Urdu	4.9	4.3	4.9
Use of Mathematics	0.0	0.0	1.1
World Development	0.6	0.6	1.6

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

<b>Subject</b>	<b>Less than 30</b>	<b>30 to 59</b>	<b>60 to 119</b>	<b>120 to 239</b>	<b>240+</b>
Accounting/Finance	9.3	9.2	10.2	11.4	60.8
Additional Mathematics	0.0	0.3	1.3	3.3	2.7
Ancient History	0.2	0.5	1.0	4.2	12.8
Arabic	4.5	3.6	3.7	7.0	20.3
Archaeology	0.2	0.3	0.4	2.0	20.9
Art & Design	18.0	37.7	40.4	38.0	34.5
Art & Design (3d Studies)	0.7	2.7	2.0	3.5	16.2
Art & Design (Critical Studies)	0.2	0.2	0.4	0.9	3.4
Art & Design (Fine Art)	23.4	53.2	59.5	67.2	77.7
Art & Design (Graphics)	2.8	7.2	10.2	14.1	59.5
Art & Design (Photography)	12.9	29.4	30.7	38.3	64.9
Art & Design (Textiles)	6.3	16.9	18.2	21.8	62.2
Bengali	1.0	0.7	0.2	0.7	2.7
Biology	45.1	93.5	98.4	99.3	100.0
Business Studies:Single	26.9	55.6	67.7	77.1	98.0
Business Studies & Economics	2.2	4.4	7.9	6.4	1.4
Chemistry	35.9	88.1	97.2	99.3	100.0
Chinese	8.5	13.7	17.4	20.2	32.4
Classical Civilisation	2.8	11.1	15.9	24.4	40.5
Classical Greek	0.3	1.5	4.6	8.1	1.4
Classics (General)	0.3	0.9	1.4	2.8	3.4
Communication Studies	1.0	3.2	3.3	7.0	23.0
Computer Studies/Computing	2.3	6.3	16.4	30.6	85.1
Critical Thinking	0.8	3.2	6.7	12.1	35.1
D&T Food Technology	1.7	10.1	13.8	21.5	10.1
D&T Product Design	14.9	53.8	72.0	80.7	56.1
D&T Systems & Control	0.3	1.4	2.5	4.4	2.7
D&T Textiles Technology	2.5	13.8	20.6	25.5	10.8
Dance	3.7	9.4	13.4	20.0	56.1
Drama & Theatre Studies	16.7	52.4	71.7	80.6	87.8
Dutch	2.2	2.2	3.2	2.4	6.8
Economics	11.5	29.4	51.0	73.4	88.5
Electronics	0.2	1.2	3.9	7.7	35.8
English Language	10.5	27.3	40.4	45.1	88.5
English Language & Literature	11.7	23.2	27.9	35.2	74.3
English Literature	48.1	87.7	94.8	97.2	100.0
Environmental Science	1.0	3.1	5.1	6.8	38.5
Expressive Arts & Performance Studies	1.8	3.8	5.4	5.1	24.3
Film Studies	3.8	15.7	19.4	25.1	79.1
French	19.9	52.0	79.0	92.3	96.6
General Studies	8.8	22.0	36.1	42.4	54.1
Geography	28.7	77.0	90.8	96.7	98.0
Geology	0.2	0.3	5.2	9.7	41.2
German	10.2	27.5	52.1	74.9	81.1
Government & Politics	9.8	24.4	43.6	63.1	88.5
Gujarati	0.0	0.5	0.7	0.2	0.7
History	40.7	89.9	97.2	100.0	100.0
History of Art	2.2	4.6	5.7	5.5	10.8
Home Economics: Food	1.8	3.8	3.5	4.8	2.7
Information & Communications Technology	12.2	27.3	36.9	45.1	65.5
Italian	2.5	5.6	11.0	12.8	27.0
Japanese	1.3	2.7	3.9	7.2	6.1
Latin	2.2	8.5	13.9	21.7	8.8

<b>Subject</b>	<b>Less than 30</b>	<b>30 to 59</b>	<b>60 to 119</b>	<b>120 to 239</b>	<b>240+</b>
Law	14.5	30.0	31.7	34.1	85.1
Logic/ Philosophy	1.7	4.8	9.2	15.8	56.1
Mathematics	54.1	97.8	98.9	100.0	100.0
Mathematics (Further)	12.7	42.2	68.9	91.6	95.3
Mathematics (Pure)	0.8	0.2	0.9	0.9	0.7
Mathematics (Statistics)	0.3	0.9	2.2	3.1	11.5
Media/Film/Tv Studies	22.5	51.0	56.8	55.2	90.5
Modern Greek	2.0	0.9	1.4	3.3	4.7
Modern Hebrew	0.7	0.7	0.3	0.6	1.4
Music	12.4	37.2	60.7	80.7	81.8
Music Technology	4.0	13.1	25.7	35.0	57.4
Other Classical Languages	0.3	0.7	0.0	0.0	0.0
Persian	1.3	2.0	2.7	3.7	6.1
Physical Education/Sports Studies	17.9	58.0	78.0	88.1	92.6
Physics	30.2	79.5	94.3	98.9	100.0
Polish	4.5	5.1	7.5	8.3	24.3
Portuguese	2.0	3.8	4.4	5.1	16.2
Psychology	38.2	84.3	86.0	86.2	98.0
Punjabi	0.8	2.0	1.6	1.1	1.4
Religious Studies	16.7	49.7	68.1	78.9	75.7
Russian	3.5	6.7	10.0	15.6	22.3
Science SA	0.0	0.0	0.0	0.0	1.4
Science in Society	0.5	1.2	0.9	2.4	4.1
Social Science: Citizenship	1.5	2.7	2.4	1.5	8.1
Sociology	26.4	59.2	61.5	67.7	93.2
Spanish	12.0	30.9	49.8	63.3	91.2
Turkish	2.0	2.7	4.2	5.1	11.5
Urdu	4.2	5.3	4.7	3.7	10.1
Use of Mathematics	0.0	0.3	0.5	0.7	9.5
World Development	0.2	0.9	0.8	1.8	10.8

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