

Progression from GCSE to AS and A level, 2010

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1 Introduction

This report considers the progression of students from GCSE to AS and A level; that is, the proportion of students that go on to take an AS or A level in the same subject. Progression rates are presented by GCSE grade, as well as student gender and school type. In addition, the report looks at the relationship between GCSE grades and A level grades.

A student's decision to study a GCSE subject further may depend on a variety of factors (see Vidal Rodeiro, 2007), including enjoyment of the subject, ability, and usefulness for career plans. In addition there may be further constraints based on the school or college, such as whether the subject is actually offered, and whether the school restricts entry onto AS/A level courses based on GCSE attainment. This report does not attempt to explain the reasons for the differences observed.

The Department for Education [DfE] (2012) examined progression from GCSEs in 2008. This statistical report forms an update using similar methods, and concerning students who were in Year 11 in 2010.

2 Data and methods

The data for these analyses were taken from the National Pupil Database (NPD), maintained by the DfE.

The Key Stage 4 (KS4) database for 2010 was used to obtain the GCSE results for all students in Year 11 in 2010 (regardless of when they had been taken). GCSEs graded X were excluded from the dataset. Records for these pupils were then extracted from the Key Stage 5 (KS5) database in 2011 and 2012, which contains results from any AS and A levels they went on to take. A student was deemed to have progressed to A level from GCSE if an A level result for them in the same subject was present in the KS5 database. Progression to AS level was recorded if the student had results for either AS or A levels in the KS5 database (because not all students have their 'cached-in' AS results reported separately). The highest grade obtained by each student in each A level subject was retained for analysis in Section 4, but AS grades were not used: the possibility of resitting AS units during Year 13 would make these difficult to interpret, especially for students subsequently progressing to the full A level.

Some common subjects at GCSE are not offered in the same form at AS and A level, therefore specific matching had to be used. The two most prominent examples are the English and Science suites. Progression from GCSE English Language & Literature was recorded if the student went on to take AS or A levels in English Language, English Literature or English Language & Literature. For science, most students take the Core and Additional Science qualifications rather than separate sciences (Gill, 2012), while only separate sciences are offered at AS and A level. Progression for the following subject pairings has therefore been recorded:

- GCSE Science (either or both of Core Science or Additional Science, with the average grade being recorded) to any of AS/A level Biology, Chemistry and Physics;
- GCSE Additional Science to any of AS/A level Biology, Chemistry and Physics;
- GCSE Core Science only (excluding candidates who had taken Additional Science) to any of AS/A level Biology, Chemistry and Physics.

In addition, Section 3.2.2 examines which of the three AS level sciences those students went on to take.

Progression was also reported from Mathematics GCSE to Further Mathematics A level.

Where progression from a combination of GCSE subjects was recorded, the average grade in these subjects was calculated (treating grades as successive points on a linear scale and rounding the average down to the nearest whole grade).

Data on the students' centre type at GCSE was also recorded, using information from the National Centre Number (NCN) database 2009, augmented by information on academy conversions from the DfE. The centre type relates to where the student was entered for the exam and could therefore vary by subject.¹

Most of the analyses are restricted to the most popular GCSE subjects, with entries of over 40000 students.

The analyses in Section 4 use the grade at A level. Where progression to a range of A levels was considered (for example, Additional Science to any of the three separate science A levels) and students achieved more than one relevant A level, the highest A level grade was taken. The correlation between grades at GCSE and A level was calculated for all pairings of common subjects (not just for the same subject, so the relationship was considered between GCSE grade in History and A level grade in Mathematics, for example, as well as A level History). Each grade was converted to a numerical value (A*=8, A=7, B=6 and so on) and the Pearson correlation coefficient was calculated for the students that took the pairings of subjects. These are reported in Section 4.2.

¹ For students taking Core and Additional Science, centre type for Additional Science was used in preference.

3 Results - progression

3.1 Overall results by subject

Table 1 shows the overall progression rates from GCSEs in all subjects with at least 1000 entries, and for which relevant AS levels exist.

Table 1: Overall progression, by subject

Subject	Number taking GCSE	% A*-C at GCSE	% progressing to AS level		% progressing to A level	
			All students	of those with A*-C at GCSE	All students	of those with A*-C at GCSE
Biology	117822	93.4	38.8	41.4	26.0	27.8
Chemistry	113479	94.0	36.1	38.3	23.2	24.6
Physics	112557	94.0	26.0	27.6	15.9	16.9
All combined science	417912	55.1	12.4	22.2	6.7	12.0
Core Science only	126908	30.2	3.2	10.1	1.8	5.9
Additional Science	291004	68.6	16.4	23.7	8.8	12.7
Environmental Science	2428	36.4	2.6	6.8	1.7	4.5
Mathematics	597476	64.6	15.4	23.8	9.5	14.7
progr to Further Maths			2.3	3.5	1.4	2.2
Additional Maths ²	14241	66.7	24.2	35.6	16.1	23.9
progr to Further Maths			4.2	6.3	2.8	4.2
Information & Communications Technology (ICT)	43553	75.7	8.6	11.1	5.0	6.5
Business Studies	66523	67.8	17.7	24.6	11.8	16.8
Business Studies & Economics	2157	80.3	4.3	5.3	3.2	4.0
Home Economics: Food	8616	62.5	1.7	2.7	1.2	1.9
Art & Design — all ³	162809	76.9	23.2	29.3	15.6	20.0
Art & Design	99789	75.9	7.4	9.6	4.8	6.3
Art & Design (Graphics)	5491	76.1	11.6	14.8	8.0	10.4
Art & Design (Photography)	8381	81.9	19.8	23.9	13.1	15.9
Art & Design (Textiles)	7177	78.9	14.8	18.5	10.2	12.8
Art & Design (3D Studies)	2314	73.1	4.6	6.0	3.3	4.4
Art & Design (Fine Art)	45496	79.4	17.5	21.8	12.0	15.0
Geography	169231	69.8	21.1	29.6	14.8	21.0
History	198161	70.2	27.6	38.5	19.6	27.6
Economics	2711	79.5	37.4	44.9	29.1	35.5
Humanities ⁴	12649	50.4	13.6	23.9	8.8	16.3
Religious Studies	170626	73.1	11.0	14.9	7.0	9.5
Law	1677	48.7	23.1	35.2	15.5	25.5
Psychology	6406	64.5	34.8	48.2	22.1	32.3
Sociology	16749	67.9	25.0	34.8	16.7	23.9

² Progression to Mathematics A level

³ Progression from any Art & Design GCSE to any Art & Design A level

⁴ Progression to any of History, Geography or Religious Studies A levels

Table 1 (continued): Overall progression, by subject

Subject	Number taking GCSE	% A*-C at GCSE	% progressing to AS level		% progressing to A level	
			All students	of those with A*-C at GCSE	All students	of those with A*-C at GCSE
English Language & Literature	603755	69.6	16.9	24.2	11.8	17.0
English Literature	467489	76.6	12.1	15.7	8.4	10.9
Drama & Theatre Studies	80655	76.3	18.1	23.2	12.8	16.5
Expressive Arts & Performance Studies	6939	57.7	1.7	2.8	1.1	1.8
Media/Film/TV Studies	58607	66.8	16.4	23.4	10.9	15.8
Film Studies	1949	59.0	11.7	18.4	8.1	13.0
French	161074	71.6	10.4	14.5	6.2	8.6
German	66011	74.9	9.3	12.4	5.4	7.2
Italian	3631	88.3	20.5	23.1	12.9	14.6
Portuguese	1322	88.2	23.8	26.8	16.2	18.3
Spanish	58415	74.5	15.0	20.1	9.2	12.3
Arabic	2235	77.4	20.7	26.1	13.1	16.5
Bengali	1144	69.6	4.1	5.8	2.5	3.5
Chinese	3074	97.0	46.5	47.9	35.4	36.5
Japanese	1080	91.8	25.6	28.0	17.8	19.4
Polish	2853	95.0	27.0	28.3	19.3	20.3
Russian	1642	95.6	33.9	35.3	28.5	29.7
Turkish	1303	92.2	33.0	35.4	21.8	23.5
Urdu	4677	73.1	10.0	13.4	6.4	8.6
Classical Civilisation	4301	81.1	21.5	25.6	17.3	20.8
Classical Greek	1176	95.5	27.4	28.7	22.5	23.6
Latin	9357	93.0	18.6	20.0	13.7	14.7
Music	45393	77.7	14.8	19.0	9.8	12.6
Physical Education (PE)/ Sports Studies	109988	68.9	17.5	24.8	10.7	15.4
Dance	15266	63.6	11.5	17.5	7.4	11.5
General Studies	7499	42.4	14.5	27.9	7.6	16.4
Design & Technology (D&T) — all ⁵	254938	63.7	7.2	10.9	4.5	6.9
D&T (Food Technology)	61987	63.8	2.3	3.5	1.4	2.1
D&T (Textiles Technology)	35743	75.8	6.5	8.6	4.4	5.8
D&T (Systems & Control)	5624	69.2	3.0	4.4	1.8	2.6
D&T (Product Design)	29280	62.0	8.6	13.3	5.0	7.9

For the remainder of this report, progression is reported for the most common subjects only: those with a GCSE entry of over 40000 (although individual Art & Design and Design & Technology subjects have been grouped).

⁵ Progression from any Design & Technology GCSE to any Design & Technology A level

Figure 1 shows the progression rates to AS and A level, for students awarded each GCSE grade, with the overall GCSE grade distribution as a background. The highest achieving candidates were generally most likely to progress to AS and A level, although there was less of a difference in some subjects (for example Geography, Media/Film/TV Studies and Design & Technology). Unusually, candidates awarded A or B in GCSE Business Studies were more likely to study the subject further than those achieving an A*. There was hardly any progression to AS and A levels from GCSE grades D and below. The proportion of Mathematics GCSE students going on to take Further Mathematics AS or A level was very low for all grades except A*.

The composition of the AS and A level cohorts for each subject depends on the proportion of GCSE candidates awarded each grade as well as grade-based progression rates. In A level English Language & Literature, for example, more of the cohort obtained a B at GCSE than an A*, whereas for A level Mathematics, the cohort consisted almost entirely of those awarded A* and A at GCSE. Full figures are given in Table A1 in the Appendix.

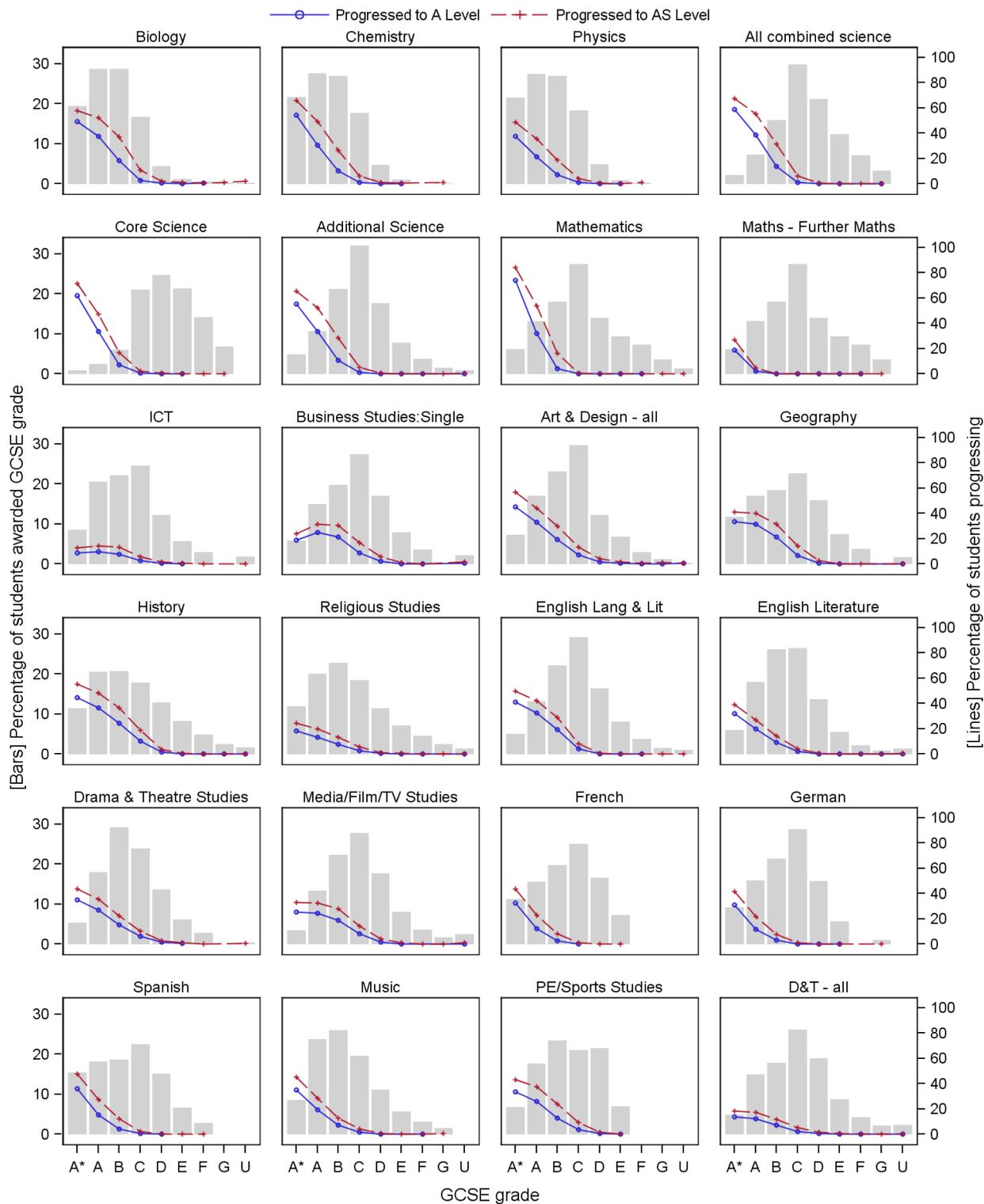


Figure 1: Percentage of students progressing from GCSE to AS and A level, by subject and grade

3.2 Progression from GCSE to AS level

3.2.1 By subject

Table 2 shows progression rates from GCSE to AS level by GCSE grade. An average for A*–C is reported, along with the difference in percentage points between the rate for A* and C pupils (which indicates the sensitivity to grade).

Among the subjects considered, average progression rates were highest for Biology, Chemistry and History, and lowest for languages, ICT, Design & Technology, Religious Studies, and students taking Core but not Additional Science. The largest differences between progression at A* and C were found in Mathematics and science subjects, while the subjects with least variation in progression were ICT, Business Studies and Design & Technology.

In the sciences (except Physics), Mathematics, Art & Design and History, over half of students achieving an A* at GCSE went on to take an AS level in the same subject.

Table 2: Progression to AS level, by subject and GCSE grade

Subject	A*	A	B	C	D	E	F	G	U	Average A*–C	Difference between A* and C rate (percentage points)	Number of GCSE entries
Biology	57.8	52.4	37.1	10.8	2.1	1.0	0.5	1.0	1.9	41.4	47.0	117822
Chemistry	65.8	49.3	26.2	6.0	1.1	0.7	0.0	1.0	0.0	38.3	59.8	113479
Physics	48.8	35.7	18.6	4.1	0.5	0.1	0.8	0.0	0.0	27.6	44.8	112557
All combined science	67.4	55.2	31.7	5.9	0.6	0.1	0.0	0.1	0.0	22.2	61.5	417912
Core Science	71.7	47.1	16.6	1.9	0.3	0.1	0.0	0.0	0.0	10.1	69.8	126908
Additional Science	65.4	52.3	28.3	5.1	0.6	0.1	0.0	0.0	0.3	23.7	60.4	291004
Mathematics	84.0	54.0	16.4	0.7	0.1	0.0	0.0	0.0	0.0	23.8	83.3	597476
Progression to Further Maths	27.1	4.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3.5	27.1	597476
Information & Communications Technology (ICT)	12.7	14.2	13.4	5.7	1.4	0.6	0.1	0.0	0.3	11.1	6.9	43553
Business Studies	24.1	31.4	30.6	16.6	5.5	1.2	0.2	0.0	1.5	24.6	7.5	66523
Art & Design — all	56.6	44.3	30.2	13.4	4.1	1.6	0.6	1.0	0.5	29.3	43.2	162809
Geography	41.0	40.0	31.5	14.3	2.5	0.2	0.0	0.0	0.3	29.6	26.7	169231
History	55.4	48.4	36.6	18.6	3.7	0.7	0.1	0.1	0.1	38.5	36.8	198161
Religious Studies	24.6	19.8	13.1	5.5	1.2	0.4	0.2	0.0	0.1	14.9	19.0	170626
English Language & Literature	49.7	42.0	28.8	8.3	0.4	0.0	0.0	0.0	0.1	24.2	41.3	603755
English Literature	39.2	26.9	14.3	4.2	0.4	0.1	0.0	0.0	0.4	15.7	35.0	467489
Drama & Theatre Studies	43.5	35.7	22.4	10.3	2.8	0.8	0.1	0.0	0.7	23.2	33.2	80655
Media/Film/TV Studies	32.8	32.7	27.8	14.3	3.9	0.9	0.1	0.1	1.0	23.4	18.5	58607
French	43.6	22.8	8.3	1.2	0.1	0.0	0.0	0.0	0.0	14.5	42.4	161074
German	41.8	21.6	7.8	1.3	0.1	0.0	0.0	0.1	0.0	12.4	40.6	66011
Spanish	47.5	27.3	12.2	2.1	0.1	0.1	0.1	0.0	0.0	20.1	45.3	58415
Music	45.1	28.4	12.9	4.2	0.8	0.1	0.1	0.3	0.0	19.0	40.9	45393
Physical Education (PE)/ Sports Studies	43.1	37.8	23.7	9.3	1.6	0.1	0.0	0.0	0.0	24.8	33.9	109988
Design & Technology (D&T) — all	18.4	17.3	11.9	5.1	1.4	0.4	0.2	0.0	0.2	10.9	13.3	254938

3.2.2 Progression from Core and Additional Science

As explained in Section 2, progression from the GCSE combined science qualifications has been reported if a student takes any of Biology, Chemistry or Physics at AS or A level. This section investigates progression from the GCSE sciences to each of the sciences separately at AS level.

Figure 2 shows the progression rate to each of Biology, Chemistry and Physics AS levels from various GCSE science qualifications, by the GCSE grade obtained. A similar trend is evident for all types of GCSE science, although progression from separate sciences had a higher rate generally. Progression to Chemistry was the highest for those getting A* at GCSE, while progression to Biology was more popular after obtaining A, B or C. Progression to Physics was consistently lowest for all grades and from all GCSE science qualifications.

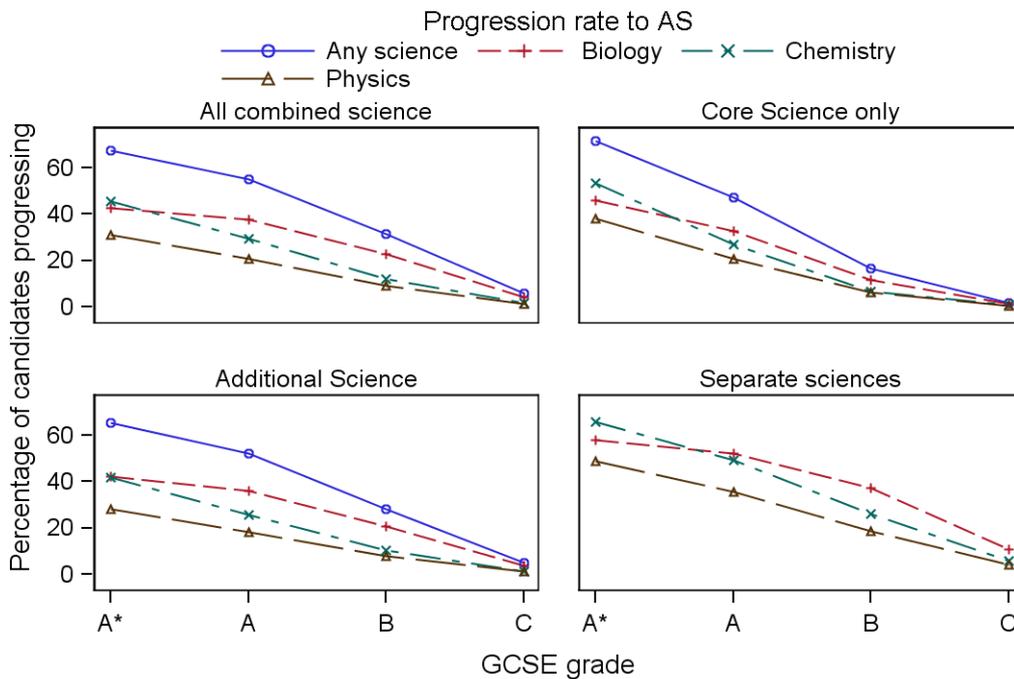


Figure 2: Progression rates to AS science from GCSE science

Figure 3 presents the data the other way round; that is, for each of the AS level science subjects, what is the progression rate to that subject from each of the GCSE science qualifications? A similar trend is evident for combined science and separate sciences, although the progression rate was consistently higher from separate sciences. Progression from combined science and Core Science only, given a particular grade, was very similar (although, as Figure 1 shows, the grade distributions were markedly different).

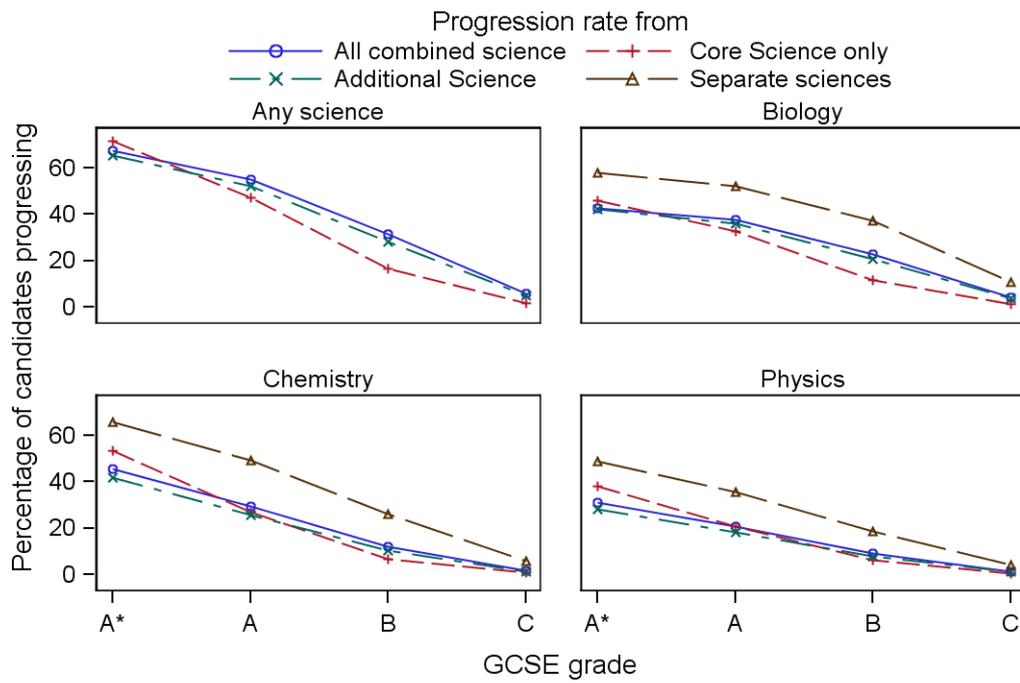


Figure 3: Progression rates from GCSE science to AS science

3.2.3 By gender

Figure 4 shows the progression rate to AS level by GCSE grade and gender of the candidate (Table A2 in the Appendix gives the full results). In most subjects, progression by males and females was roughly similar, given a particular GCSE grade. However, female candidates were markedly less likely to take an AS level in Physics than male candidates given a certain grade. There were also small differences in Mathematics, with more male candidates progressing to AS level. Female candidates were slightly more likely than males to continue studies after GCSE in English Language & Literature, English Literature, Biology or French.

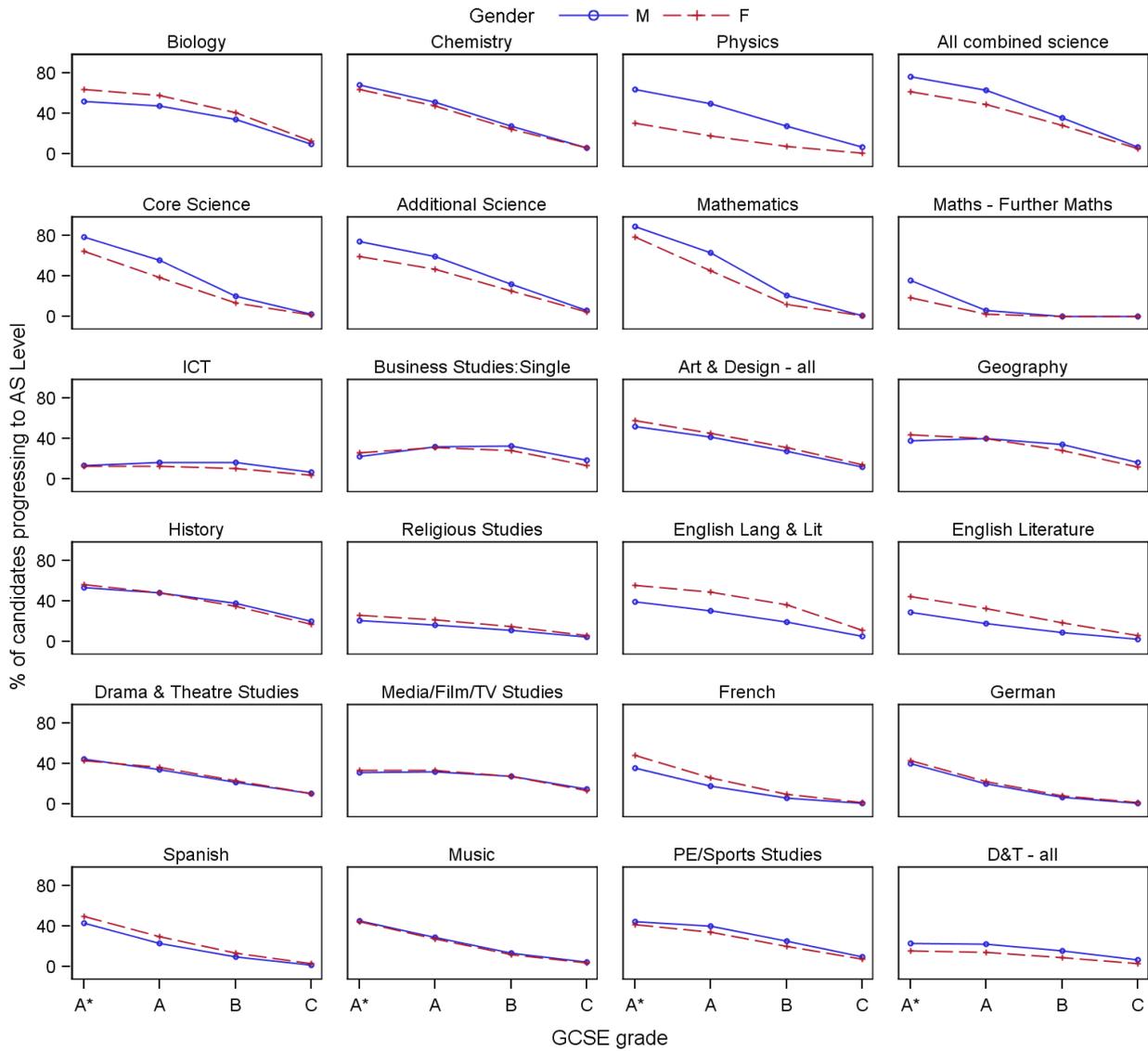


Figure 4: Progression from GCSE to AS level, by gender

3.2.4 By centre type

Figure 5 shows the progression rate to AS level by GCSE grade, and the type of school the student attended at Key Stage 4 (Table A3 in the Appendix gives full results). Academies and comprehensive schools have been amalgamated for simplicity, and centres of other or unknown type have been excluded.

In most subjects, progression rates for a given grade were similar across centre types, but slightly higher in comprehensives, academies and secondary moderns than in grammar and independent schools; however, the differing grade distributions for these centre types have the effect that the average progression across all students gaining A*–C was highest in grammar and independent schools.

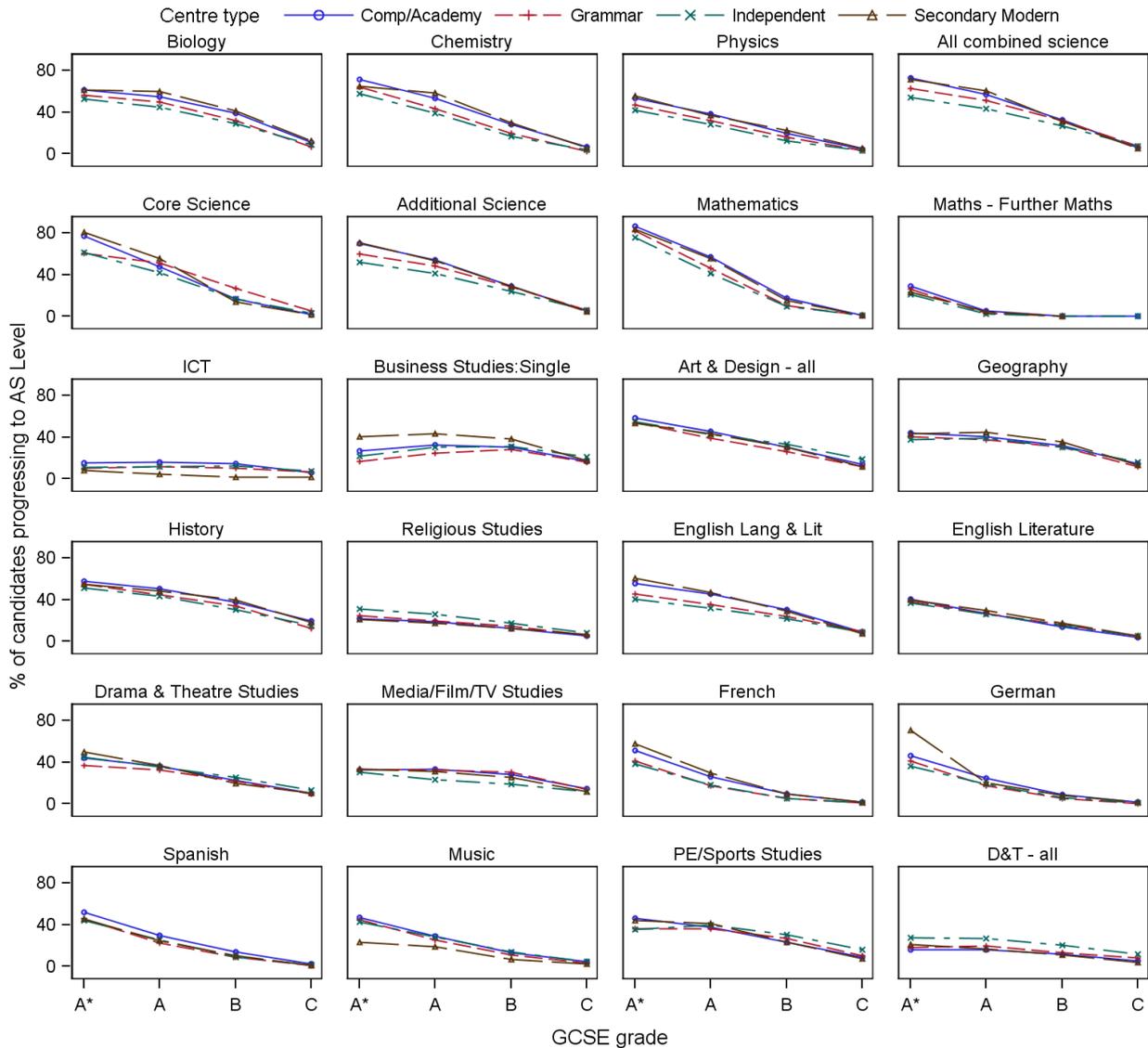


Figure 5: Progression from GCSE to AS level, by KS4 centre type

3.3 Progression from GCSE to A level

3.3.1 By subject

Table 3 shows progression rates from GCSE to the full A level by GCSE grade, along with an average for A*–C, and difference between progression rates at A* and at C.

Patterns were similar to those observed for progression to AS level in Table 2 although with lower rates, reflecting the fact that many students drop a subject after achieving an AS level. The largest differences in progression rates were mainly between students who achieved a grade A and those who achieved a grade B at GCSE. In Mathematics, 54.0% of students with an A at GCSE went on to study the subject at AS level, but only 32.1% took a full A level.

The only subjects where over half of students awarded an A* at GCSE progressed to an A level in the same subject were Chemistry, combined science and Mathematics.

Table 3: Progression from GCSE to A level, by subject and grade

Subject	A*	A	B	C	D	E	F	G	U	Average A*–C	Difference between A* and C rate (percentage points)	Number of GCSE entries
Biology	49.4	37.7	18.1	2.6	0.5	0.1	0.3	0.0	0.0	27.8	46.8	117822
Chemistry	54.4	30.7	10.0	1.0	0.1	0.1	0.0	0.0	0.0	24.6	53.3	113479
Physics	37.4	21.3	6.9	0.8	0.1	0.1	0.0	0.0	0.0	16.9	36.5	112557
All combined science	59.0	38.7	13.8	1.3	0.1	0.0	0.0	0.0	0.0	12.0	57.7	417912
Core Science	62.2	33.6	7.2	0.4	0.1	0.0	0.0	0.0	0.0	5.9	61.8	126908
Additional Science	55.5	33.7	10.7	0.9	0.0	0.0	0.0	0.0	0.1	12.7	54.6	291004
Mathematics	73.9	32.1	4.2	0.1	0.0	0.0	0.0	0.0	0.0	14.7	73.9	597476
Progression to Further Maths	19.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	19.0	597476
Information & Communications Technology (ICT)	8.7	9.5	7.4	2.4	0.5	0.1	0.0	0.0	0.0	6.5	6.3	43553
Business Studies	19.0	24.8	21.1	8.8	2.2	0.2	0.1	0.0	0.4	16.8	10.2	66523
Art & Design — all	45.1	32.8	19.4	7.0	1.7	0.5	0.2	0.1	0.5	20.0	38.1	162809
Geography	33.6	31.3	21.1	6.6	0.8	0.0	0.0	0.0	0.0	21.0	27.0	169231
History	44.7	36.7	24.3	10.2	1.6	0.2	0.0	0.1	0.1	27.6	34.6	198161
Religious Studies	18.4	13.1	7.4	2.4	0.4	0.1	0.0	0.0	0.0	9.5	16.0	170626
English Language & Literature	41.3	32.3	19.1	4.3	0.1	0.0	0.0	0.0	0.0	17.0	37.1	603755
English Literature	32.2	19.8	8.9	2.1	0.2	0.0	0.0	0.0	0.3	10.9	30.1	467489
Drama & Theatre Studies	35.0	27.2	15.3	6.0	1.6	0.5	0.0	0.0	0.0	16.5	28.9	80655
Media/Film/TV Studies	25.6	24.2	18.9	8.1	1.7	0.2	0.0	0.0	0.3	15.8	17.5	58607
French	32.7	12.4	2.6	0.2	0.0	0.0	0.0	0.0	0.0	8.6	32.5	161074
German	31.1	11.8	2.9	0.2	0.0	0.0	0.0	0.0	0.0	7.2	30.9	66011
Spanish	36.0	15.1	4.3	0.4	0.0	0.0	0.0	0.0	0.0	12.3	35.7	58415
Music	34.9	19.1	7.4	1.8	0.2	0.0	0.1	0.0	0.0	12.6	33.1	45393
Physical Education (PE)/ Sports Studies	33.4	25.9	12.8	3.8	0.5	0.0	0.0	0.0	0.0	15.4	29.6	109988
Design & Technology (D&T) — all	14.0	12.3	7.2	2.3	0.5	0.1	0.0	0.0	0.0	6.9	11.7	254938

3.3.2 By gender

Figure 6 shows progression from GCSE to the full A level by students' gender (Table A2 gives the full results). The patterns are similar to those observed in Section 3.2.3 although the rates are slightly lower.

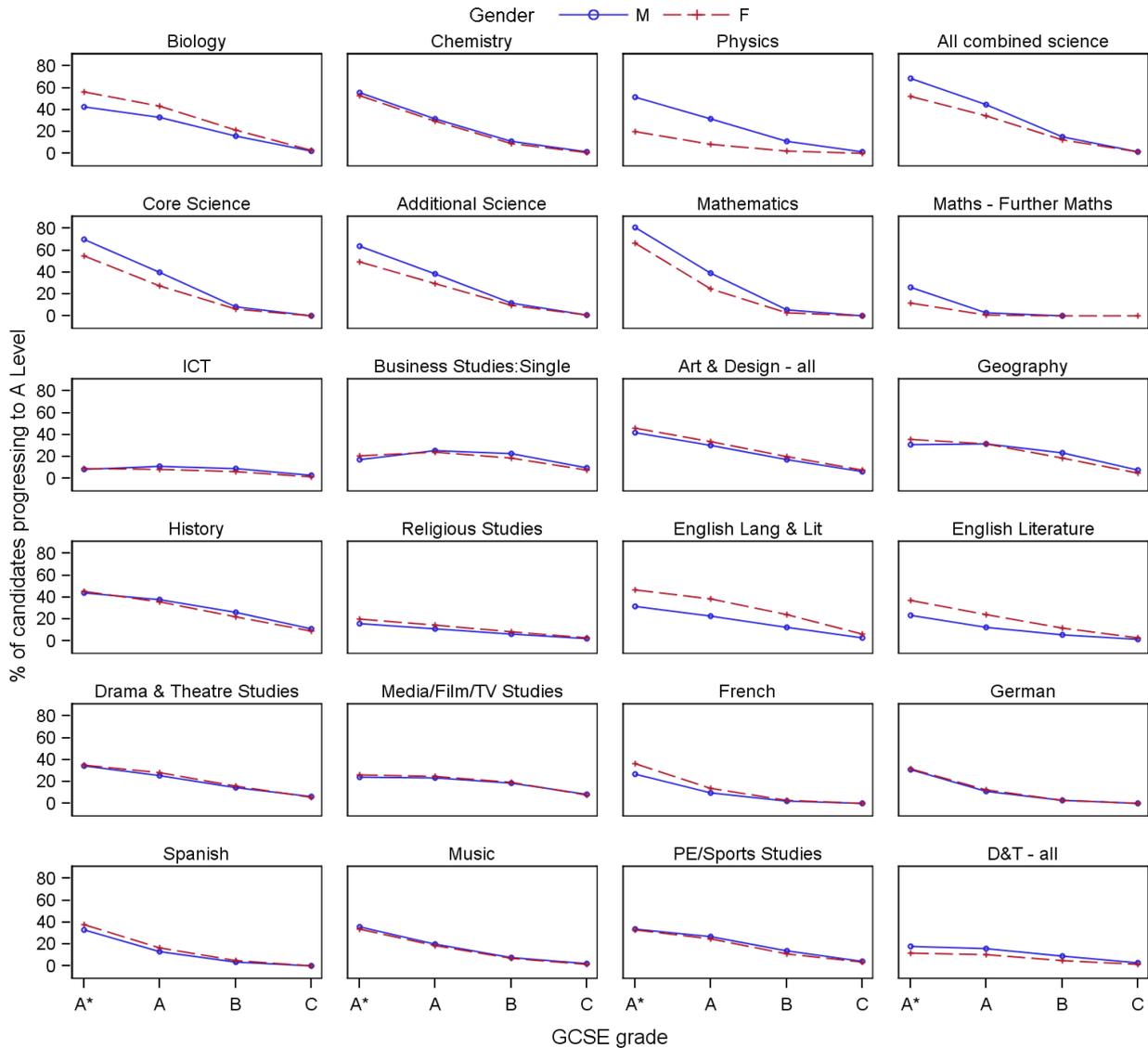


Figure 6: Progression from GCSE to A level, by gender

3.3.3 By centre type

Figure 7 shows progression from GCSE to the full A level by the type of centre attended by students in Key Stage 4 (Table A3 gives the full results). Note that centre type attended at Key Stage 5, which might also be expected to have an effect on whether students progress from AS to A level in a given subject, is not considered here.

Results are similar to those observed for progression to AS level, although the rates are slightly lower.

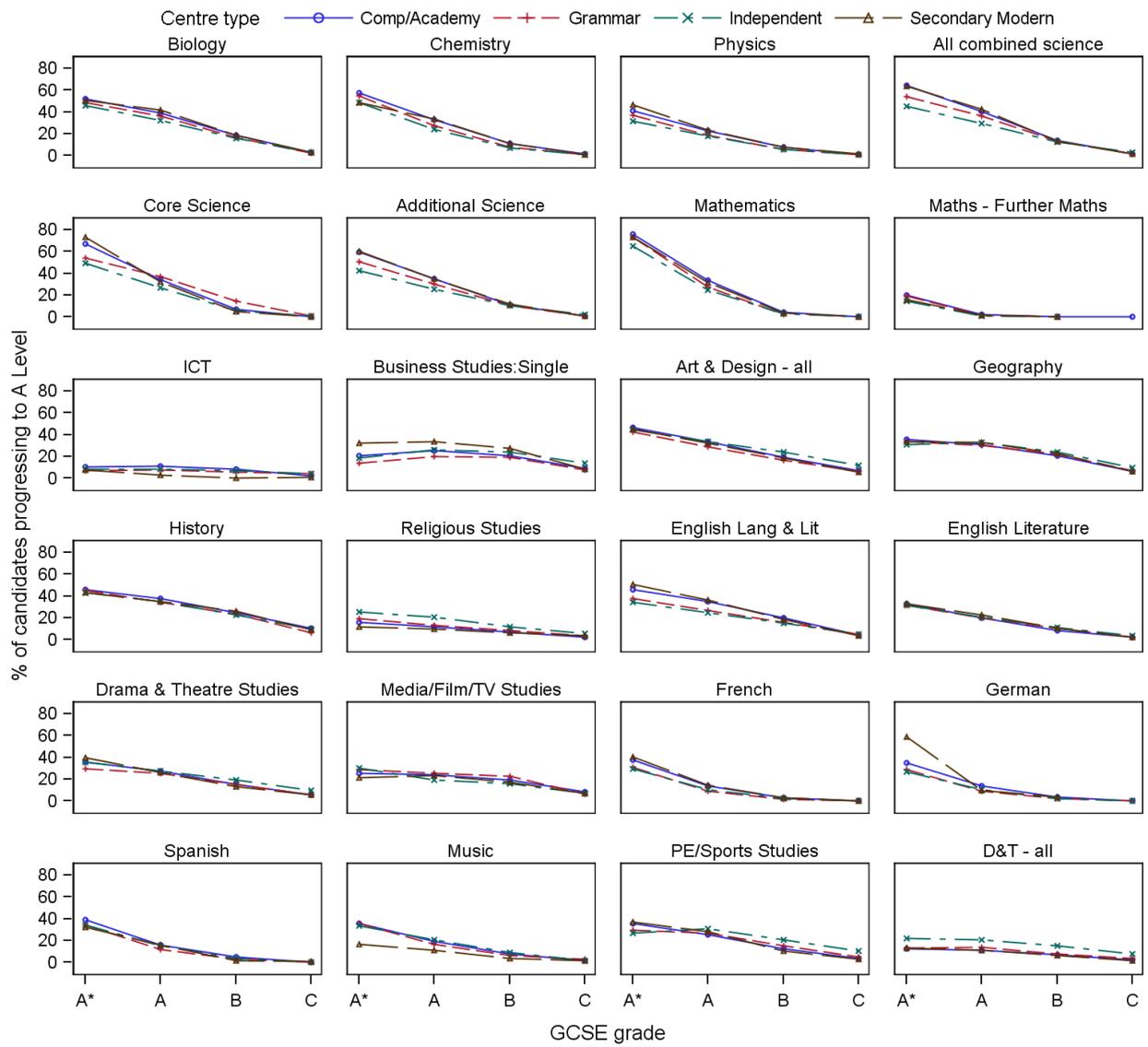


Figure 7: Progression from GCSE to A level, by KS4 centre type

4 Results – A level grade

4.1 Graphs

Figure 8 shows the distribution of grades at A level, by subject and the GCSE grade obtained. As Table A1 shows, only one student progressed to Further Mathematics A level having gained a C at Mathematics GCSE, and hence the corresponding bar in Figure 8 is not shown.

In general there is a correspondence between GCSE and A level grade in the same subject – on average, students with the higher grades at GCSE went on to get higher grades in their A levels. The chance of attaining an A* at A level was much lower for students who had not achieved one at GCSE.

The relationship with Maths GCSE grade was similar for the cohorts going on to take A levels in Mathematics and Further Mathematics, although the cohorts had markedly different ability levels (as shown in Table 3).

For most subjects and grades, the grade most frequently received at A level was one below that received at GCSE. For example, students receiving an A at GCSE were most likely to get a B at A level. However, Physics is an exception: students receiving an A or below at GCSE were most likely to get an A level grade that was two below their GCSE grade.

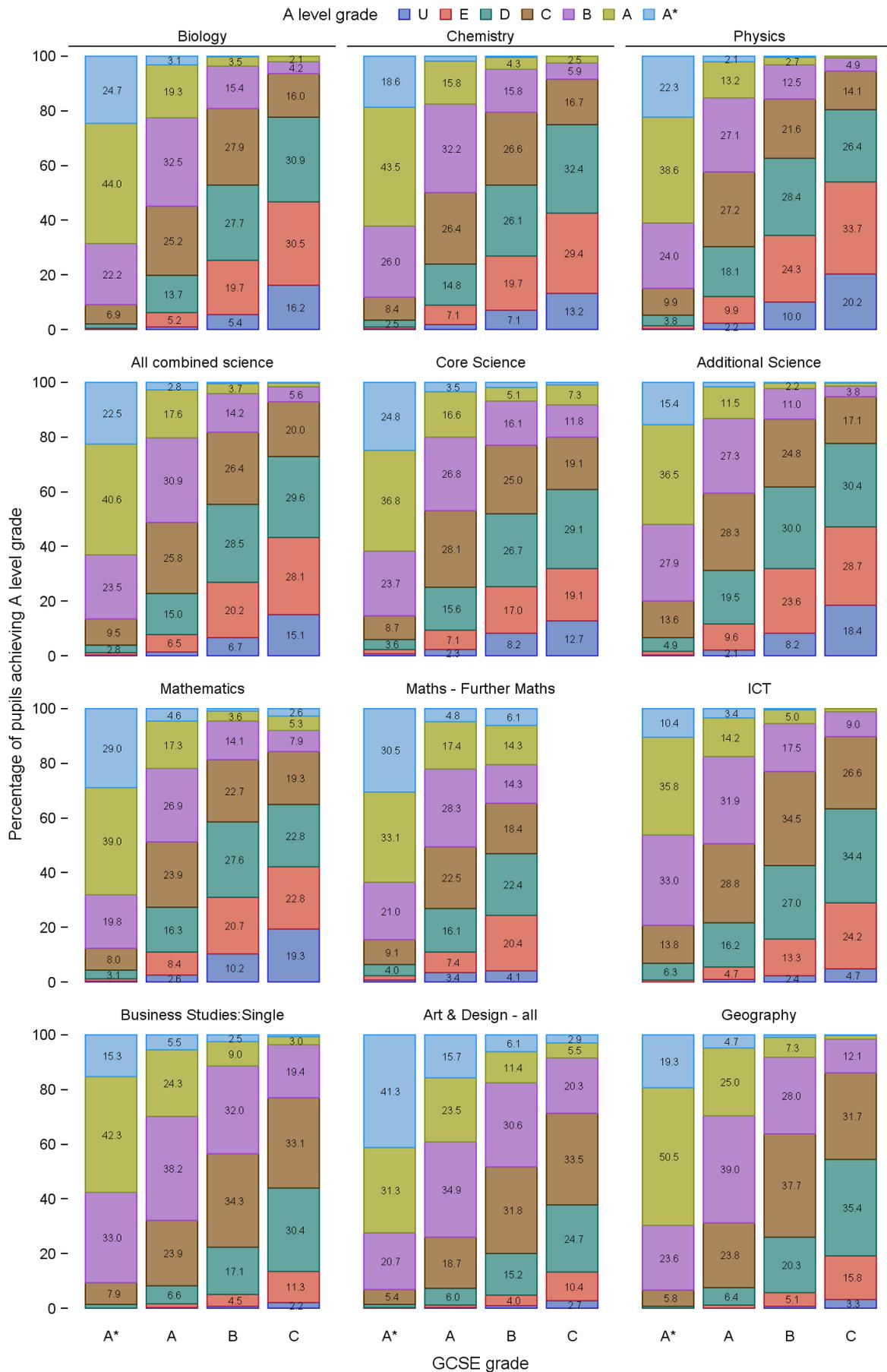


Figure 8: A level grade attainment given GCSE grade

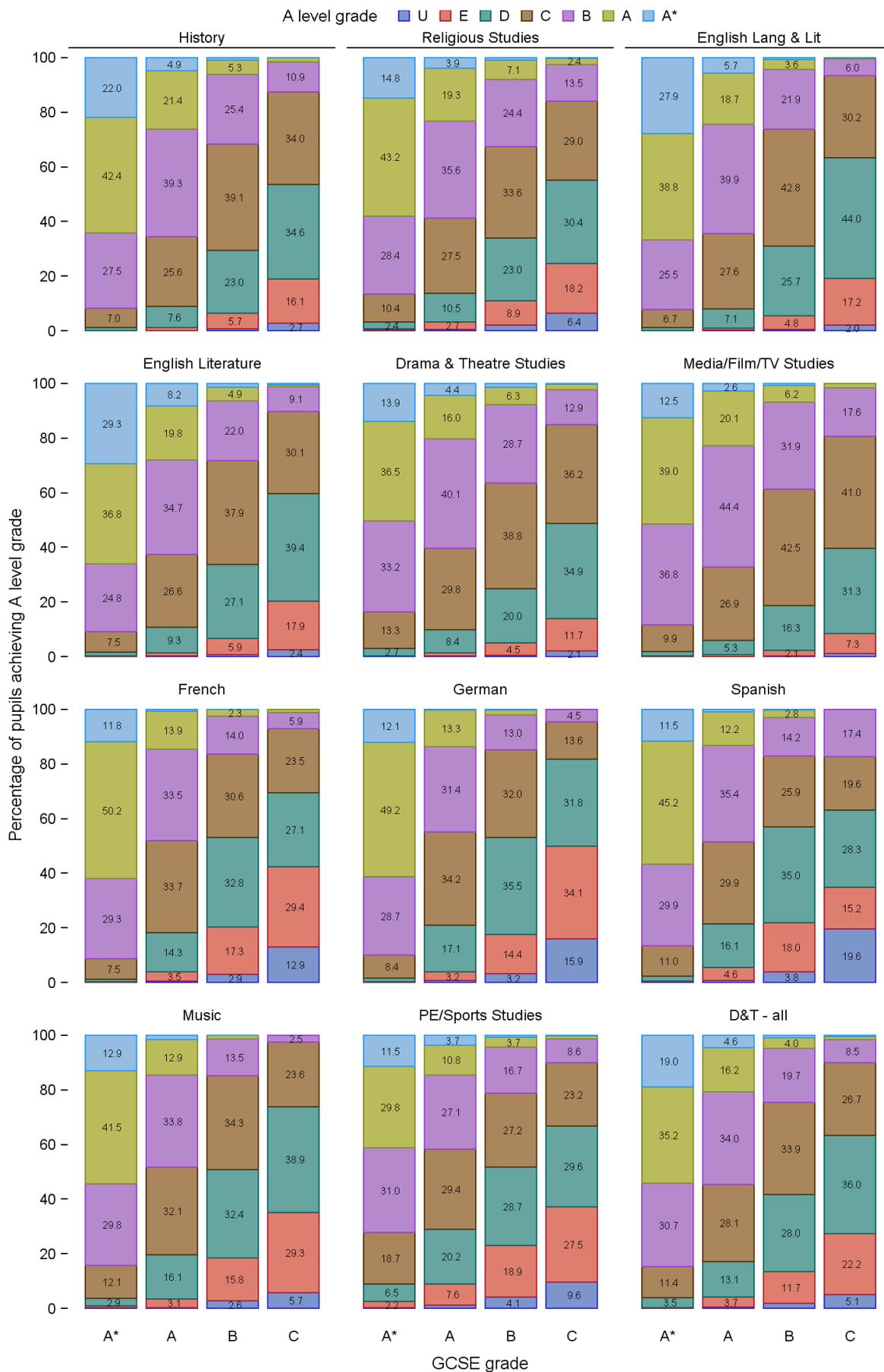


Figure 8 (continued): A level grade attainment given GCSE grade

4.2 Correlation

Table 4 shows correlations between grades in combinations of the 25 most common subjects in each of GCSE and A level. In contrast to its treatment earlier in this report, the grade in Core Science has been reported for all students taking the qualification, including those also taking Additional Science. Correlations between the same subject at GCSE and A level (for example GCSE Biology and A level Biology) are shown in **bold**. The number of students taking the subject combinations varies substantially; correlation coefficients based on fewer than 500 students are shown in *italics*.

All coefficients are positive, indicating that candidates with higher grades in GCSEs tend to receive higher grades at A level. In general, same-subject pairings have among the highest correlations, but certain GCSE subjects, notably the three separate sciences, Geography and History, are highly correlated with several A levels.

There is an asymmetry in the relationship, in general: for example, Mathematics GCSE is better correlated with English Literature A level ($r=0.531$) than English Literature GCSE with Mathematics A level ($r=0.390$).

Some A levels are not correlated highly with any of the most popular GCSEs: these include Art & Design (Photography), Law, Sociology, Media/Film/TV Studies, and Further Mathematics. The comparatively low correlation between Mathematics GCSE and Further Mathematics A level ($r=0.360$) is due to the nature of the cohort: as shown in Figure 1 and Table A1, the majority of those studying Further Mathematics A level had received an A* at GCSE, so most of the variation in A level grade cannot be explained by variation in GCSE grade.

Table 4: Pearson correlations between GCSE and A level grades in popular subjects

A level subject	GCSE subject												
	Biology	Chem- istry	Physics	Science (Core)	Addi- tional Science	Mathe- matics	Statistics	Business Studies	Art & Design	Art & Design (Fine Art)	Geogra- phy	History	Religious Studies
Biology	0.618	0.630	0.627	0.527	0.575	0.560	0.538	0.502	0.374	0.392	0.580	0.554	0.462
Chemistry	0.540	0.567	0.568	0.471	0.516	0.538	0.515	0.446	0.372	0.392	0.521	0.492	0.415
Physics	0.580	0.606	0.589	0.488	0.542	0.557	0.525	0.460	0.339	0.348	0.530	0.506	0.443
Mathematics	0.506	0.540	0.538	0.460	0.499	0.541	0.471	0.396	0.320	0.329	0.484	0.460	0.395
Mathematics (Further)	0.447	0.464	0.438	0.418	0.431	0.360	0.388	0.448	0.284	0.303	0.471	0.418	0.394
Business Studies	0.452	0.445	0.426	0.418	0.421	0.399	0.366	0.493	0.245	0.280	0.509	0.486	0.394
Art & Design (Photography)	0.310	0.301	0.329	0.266	0.291	0.266	0.281	0.304	0.418	0.454	0.410	0.342	0.290
Art & Design (Fine Art)	0.425	0.437	0.427	0.384	0.403	0.392	0.431	0.393	0.548	0.576	0.497	0.457	0.419
Geography	0.565	0.560	0.547	0.517	0.543	0.493	0.473	0.564	0.408	0.403	0.616	0.606	0.545
History	0.554	0.559	0.551	0.515	0.523	0.502	0.486	0.505	0.440	0.440	0.599	0.604	0.542
Economics	0.573	0.581	0.554	0.492	0.520	0.488	0.469	0.536	0.382	0.370	0.588	0.568	0.506
Religious Studies	0.481	0.473	0.468	0.460	0.474	0.454	0.427	0.460	0.384	0.428	0.535	0.566	0.519
Law	0.438	0.430	0.410	0.342	0.391	0.362	0.319	0.383	0.273	0.295	0.453	0.436	0.400
Government & Politics	0.513	0.525	0.504	0.494	0.521	0.453	0.429	0.511	0.374	0.388	0.577	0.586	0.511
Psychology	0.473	0.483	0.459	0.414	0.464	0.418	0.404	0.471	0.312	0.337	0.527	0.513	0.467
Sociology	0.412	0.405	0.396	0.370	0.395	0.352	0.385	0.422	0.281	0.279	0.450	0.499	0.436
English Language & Literature	0.515	0.506	0.497	0.468	0.466	0.462	0.433	0.497	0.373	0.378	0.553	0.544	0.494
English Language	0.528	0.530	0.523	0.488	0.498	0.471	0.446	0.495	0.352	0.335	0.542	0.554	0.494
English Literature	0.578	0.578	0.574	0.558	0.559	0.531	0.504	0.527	0.433	0.435	0.605	0.620	0.542
Drama & Theatre Studies	0.424	0.437	0.417	0.434	0.417	0.400	0.387	0.434	0.384	0.420	0.527	0.553	0.486
Media/Film/TV Studies	0.373	0.378	0.358	0.360	0.363	0.345	0.331	0.409	0.322	0.311	0.462	0.464	0.419
French	0.513	0.528	0.541	0.456	0.463	0.460	0.460	0.376	0.315	0.298	0.461	0.464	0.404
Physical Education/Sports Studies	0.492	0.500	0.481	0.451	0.478	0.448	0.447	0.441	0.308	0.286	0.527	0.509	0.454
General Studies	0.389	0.367	0.343	0.426	0.399	0.348	0.347	0.427	0.279	0.279	0.492	0.508	0.453
D&T Product Design	0.509	0.497	0.477	0.442	0.459	0.439	0.468	0.466	0.383	0.399	0.547	0.498	0.443

Table 4 (continued): Pearson correlations between GCSE and A level grades in popular subjects

A level subject	GCSE subject											
	English Language & Literature	English Literature	Drama & Theatre Studies	Media/Film/TV Studies	French	German	Spanish	Music	Physical Education Sports Studies	D&T Food Technology	D&T Graphic Products	D&T Resistant Materials
Biology	0.501	0.456	0.350	0.363	0.540	0.507	0.505	0.447	0.359	0.422	0.411	0.438
Chemistry	0.449	0.421	0.321	0.334	0.499	0.476	0.480	0.421	0.358	0.421	0.334	0.406
Physics	0.468	0.428	0.293	0.367	0.512	0.486	0.479	0.406	0.345	0.370	0.323	0.388
Mathematics	0.417	0.390	0.279	0.320	0.463	0.431	0.431	0.363	0.320	0.371	0.304	0.351
Mathematics (Further)	0.388	0.377	0.291	0.381	0.424	0.379	0.454	0.382	0.311	0.274	0.335	0.374
Business Studies	0.426	0.389	0.270	0.317	0.358	0.324	0.327	0.247	0.328	0.376	0.316	0.294
Art & Design (Photography)	0.321	0.310	0.293	0.318	0.278	0.270	0.240	0.332	0.242	0.290	0.364	0.323
Art & Design (Fine Art)	0.427	0.400	0.338	0.352	0.414	0.372	0.372	0.409	0.375	0.394	0.431	0.448
Geography	0.567	0.514	0.399	0.438	0.524	0.492	0.509	0.398	0.397	0.497	0.403	0.402
History	0.583	0.538	0.395	0.447	0.568	0.511	0.523	0.440	0.402	0.465	0.388	0.427
Economics	0.515	0.473	0.356	0.391	0.510	0.436	0.488	0.421	0.397	0.456	0.396	0.387
Religious Studies	0.544	0.508	0.380	0.404	0.488	0.444	0.465	0.377	0.354	0.417	0.413	0.374
Law	0.376	0.372	0.249	0.306	0.361	0.343	0.344	0.270	0.244	0.365	0.310	0.265
Government & Politics	0.549	0.508	0.384	0.429	0.493	0.448	0.486	0.392	0.383	0.474	0.388	0.443
Psychology	0.451	0.418	0.316	0.381	0.438	0.429	0.434	0.323	0.303	0.423	0.358	0.365
Sociology	0.434	0.405	0.264	0.352	0.367	0.389	0.353	0.280	0.255	0.373	0.329	0.264
English Language & Literature	0.574	0.518	0.333	0.413	0.509	0.493	0.465	0.401	0.355	0.472	0.384	0.322
English Language	0.569	0.523	0.359	0.454	0.531	0.472	0.491	0.392	0.352	0.456	0.418	0.370
English Literature	0.643	0.575	0.392	0.454	0.588	0.548	0.560	0.462	0.396	0.473	0.407	0.405
Drama & Theatre Studies	0.563	0.504	0.475	0.418	0.471	0.413	0.428	0.370	0.316	0.448	0.392	0.383
Media/Film/TV Studies	0.477	0.447	0.339	0.485	0.376	0.381	0.301	0.297	0.254	0.429	0.363	0.319
French	0.464	0.432	0.298	0.318	0.629	0.493	0.505	0.423	0.286	0.412	0.319	0.419
Physical Education/Sports Studies	0.439	0.393	0.268	0.369	0.432	0.401	0.410	0.303	0.460	0.466	0.336	0.346
General Studies	0.503	0.442	0.275	0.359	0.436	0.388	0.388	0.309	0.283	0.387	0.287	0.311
D&T Product Design	0.465	0.433	0.408	0.397	0.404	0.396	0.419	0.387	0.386	0.513	0.521	0.554

5 References

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Appendix

Table A1: Progression by grade

Subject	GCSE grade	Progressed to full A level	Progressed to AS level only	Did not progress beyond GCSE
Biology	A*	11283	1915	9638
	A	12724	4971	16098
	B	6117	6416	21221
	C	518	1607	17590
	D	27	84	5093
	E	1	13	1383
	F	2	1	615
	G	.	3	284
	U	.	4	211
Chemistry	A*	13362	2813	8408
	A	9638	5849	15908
	B	3062	4957	22575
	C	206	1001	18868
	D	7	52	5310
	E	1	6	1008
	F	.	.	290
	G	.	1	104
	U	.	.	49
Physics	A*	9007	2761	12345
	A	6566	4448	19861
	B	2100	3528	24649
	C	165	667	19704
	D	7	20	5409
	E	1	0	926
	F	.	2	247
	G	.	.	95
	U	.	.	44
All combined science	A*	5356	769	2956
	A	11646	4977	13507
	B	9150	11908	45388
	C	1565	5784	117133
	D	62	452	88270
	E	8	56	51329
	F	.	6	29448
	G	2	5	13292
	U	.	.	4821
Core Science	A*	608	93	277
	A	1007	405	1585
	B	547	723	6373
	C	110	392	26249
	D	22	86	31273
	E	6	30	27002
	F	.	2	17971
	G	.	4	8656
	U	.	.	3480

Subject	GCSE grade	Progressed to full A level	Progressed to AS level only	Did not progress beyond GCSE
Additional Science	A*	7686	1382	4789
	A	10342	5708	14661
	B	6590	10892	44226
	C	835	3914	88618
	D	25	287	51188
	E	1	25	22515
	F	1	4	10614
	G	.	2	4446
	U	3	4	2138
Mathematics	A*	27159	3716	5862
	A	25114	17136	36031
	B	4538	13107	89997
	C	119	1092	162373
	D	4	46	83197
	E	3	6	56045
	F	1	3	42706
	G	.	1	21620
	U	.	1	7594
Maths-Further Maths	A*	6992	2953	26792
	A	1545	1868	74868
	B	49	166	107427
	C	1	10	163573
	D	1	1	83245
	E	1	0	56053
	F	1	0	42709
	G	.	1	21620
	U	.	.	7595
Information & Communications Technology	A*	318	147	3206
	A	848	429	7689
	B	716	577	8369
	C	256	357	10065
	D	26	51	5260
	E	2	13	2436
	F	.	1	1284
	G	.	.	713
	U	.	2	786
Business Studies	A*	730	194	2917
	A	2464	650	6814
	B	2764	1243	9076
	C	1612	1410	15202
	D	252	365	10699
	E	13	51	5193
	F	2	3	2402
	G	.	.	1085
	U	6	15	1361
Art & Design — all	A*	5302	1359	5105
	A	9079	3188	15442
	B	7273	4051	26195
	C	3380	3088	41746
	D	345	476	19010
	E	56	113	10712
	F	10	20	4764
	G	2	15	1711
	U	2	0	364

Subject	GCSE grade	Progressed to full A level	Progressed to AS level only	Did not progress beyond GCSE
Geography	A*	6624	1464	11631
	A	9011	2510	17255
	B	6612	3236	21462
	C	2521	2964	32855
	D	208	453	26167
	E	4	22	12431
	F	.	2	6201
	G	.	.	2926
	U	1	6	2618
History	A*	10052	2391	10021
	A	14906	4762	20975
	B	9943	5024	25920
	C	3573	2972	28619
	D	396	535	24541
	E	33	81	15993
	F	1	9	9419
	G	3	4	4760
	U	2	2	3224
Religious Studies	A*	3728	1248	15271
	A	4474	2282	27399
	B	2893	2186	33797
	C	763	980	29736
	D	73	151	19168
	E	10	33	12126
	F	3	11	7700
	G	.	2	4253
	U	1	2	2336
English Language & Literature	A*	12422	2513	15129
	A	25784	7774	46314
	B	25522	12971	95202
	C	7516	7220	161774
	D	77	292	98621
	E	3	18	48186
	F	1	1	21883
	G	.	1	8833
	U	.	6	5689
English Literature	A*	8924	1940	16856
	A	16584	5961	61184
	B	10922	6649	104884
	C	2565	2591	118925
	D	113	171	63467
	E	3	12	25581
	F	1	3	9757
	G	2	0	4170
	U	16	9	6196
Drama & Theatre Studies	A*	1484	362	2397
	A	3921	1226	9289
	B	3605	1693	18307
	C	1158	820	17238
	D	173	134	10687
	E	23	17	4894
	F	.	2	2143
	G	.	.	807
	U	.	2	273

Subject	GCSE grade	Progressed to full A level	Progressed to AS level only	Did not progress beyond GCSE
Media/Film/TV Studies	A*	504	141	1324
	A	1897	666	5281
	B	2465	1157	9429
	C	1326	1002	13980
	D	177	223	9914
	E	10	34	4628
	F	.	3	2062
	G	.	1	982
French	U	4	10	1387
	A*	5948	1972	10253
	A	3084	2607	19258
	B	832	1811	29221
	C	85	399	39931
	D	.	15	26558
	E	.	2	11751
	F	.	.	5064
German	G	.	.	1855
	U	.	.	414
	A*	1866	643	3487
	A	1237	1029	8217
	B	409	686	12962
	C	44	196	18658
	D	4	8	10349
	E	1	0	3730
Spanish	F	.	.	1608
	G	.	1	690
	U	.	.	185
	A*	3232	1027	4711
	A	1596	1286	7692
	B	471	855	9534
	C	46	233	12807
	D	2	10	8810
Music	E	.	3	3806
	F	.	1	1560
	G	.	.	571
	U	.	.	111
	A*	1359	398	2139
	A	2054	991	7695
	B	868	655	10262
	C	157	213	8484
Physical Education/Sports Studies	D	10	30	4960
	E	.	2	2579
	F	1	0	1356
	G	.	2	646
	U	.	.	532
	A*	2487	730	4239
	A	5049	2313	12104
	B	3286	2815	19657
	C	875	1276	21005
	D	107	262	23218
	E	2	9	7578
	F	.	.	2316
	G	.	.	515
	U	.	.	145

Subject	GCSE grade	Progressed to full A level	Progressed to AS level only	Did not progress beyond GCSE
Design & Technology — all	A*	1735	551	10145
	A	4671	1922	31505
	B	3245	2151	39899
	C	1521	1892	63115
	D	234	437	47634
	E	13	73	22111
	F	2	19	10816
	G	.	1	5312
	U	2	9	5921

Table A2: Progression by GCSE grade and gender

Subject	GCSE grade	AS		A	
		Gender		Gender	
		Female	Male	Female	Male
Biology	A*	63.6	51.6	56.1	42.4
	A	58.2	47.2	43.2	32.7
	B	41.1	34.0	21.0	15.8
	C	12.5	9.5	3.0	2.4
	Avg A*-C	46.9	36.6	33.1	23.3
Chemistry	A*	63.6	67.9	53.0	55.6
	A	47.3	51.0	29.4	31.8
	B	24.7	27.4	9.0	10.8
	C	6.0	6.0	0.9	1.1
	Avg A*-C	37.9	38.7	24.7	24.6
Physics	A*	30.5	63.7	19.8	51.7
	A	17.9	49.6	8.4	31.3
	B	7.3	27.9	2.3	10.8
	C	1.2	6.5	0.2	1.3
	Avg A*-C	14.4	38.4	7.6	24.4
All combined science	A*	61.4	76.4	52.4	68.7
	A	49.0	63.0	34.0	44.5
	B	27.9	35.9	12.5	15.2
	C	5.3	6.5	1.2	1.3
	Avg A*-C	20.6	24.1	11.4	12.7
Core Science	A*	64.9	78.8	54.8	69.8
	A	38.7	55.7	27.4	40.0
	B	13.4	20.3	5.9	8.5
	C	1.7	2.1	0.4	0.4
	Avg A*-C	8.4	12.1	4.9	7.1
Additional Science	A*	59.6	73.9	49.7	63.8
	A	46.6	59.3	29.9	38.4
	B	25.0	32.0	9.8	11.7
	C	4.5	5.7	0.8	0.9
	Avg A*-C	22.2	25.4	12.3	13.3
Mathematics	A*	78.7	89.1	66.5	81.0
	A	44.9	62.9	24.9	39.2
	B	11.9	20.9	2.9	5.6
	C	0.5	1.0	0.0	0.1
	Avg A*-C	20.0	27.5	12.1	17.3
Mathematics – Further Maths	A*	18.3	35.4	11.5	26.2
	A	2.4	6.3	0.9	3.0
	B	0.1	0.3	0.0	0.1
	C	0.0	0.0	0.0	0.0
	Avg A*-C	2.2	4.8	1.3	3.2
Information & Communications Technology	A*	12.3	13.1	9.1	8.2
	A	12.4	16.2	8.2	10.8
	B	10.3	16.1	5.9	8.7
	C	3.8	7.1	1.6	2.9
	Avg A*-C	9.3	12.6	5.8	7.1

Subject	GCSE grade	AS		A	
		Gender		Gender	
		Female	Male	Female	Male
Business Studies	A*	25.8	22.2	20.7	17.2
	A	31.1	31.6	24.1	25.4
	B	28.0	32.5	18.9	22.7
	C	13.6	18.6	7.3	9.9
	Avg A*-C	23.0	25.7	15.9	17.5
Art & Design — all	A*	57.9	51.7	45.9	42.0
	A	45.1	41.4	33.6	30.1
	B	31.3	27.4	20.2	17.5
	C	14.3	12.1	7.6	6.0
	Avg A*-C	31.8	23.9	22.0	15.6
Geography	A*	43.6	37.8	35.7	31.0
	A	39.9	40.1	31.3	31.3
	B	28.4	34.0	18.7	23.2
	C	11.6	16.2	5.2	7.6
	Avg A*-C	29.5	29.6	21.4	20.6
History	A*	56.6	53.4	45.2	44.1
	A	48.5	48.3	35.7	37.7
	B	35.0	38.1	22.2	26.4
	C	16.9	20.1	8.8	11.4
	Avg A*-C	39.0	38.0	27.5	27.8
Religious Studies	A*	26.3	20.8	19.8	15.5
	A	21.7	16.4	14.5	10.8
	B	14.7	10.9	8.5	6.0
	C	6.4	4.7	2.8	2.0
	Avg A*-C	17.1	11.7	11.1	7.2
English Language & Literature	A*	55.4	39.1	46.7	31.4
	A	49.3	30.3	38.5	22.4
	B	36.2	19.6	24.4	12.5
	C	11.4	5.4	5.9	2.7
	Avg A*-C	31.3	15.7	22.4	10.5
English Literature	A*	44.7	29.0	37.0	23.2
	A	32.5	17.8	24.2	12.6
	B	18.5	9.0	11.6	5.5
	C	5.7	2.6	2.9	1.2
	Avg A*-C	20.5	9.5	14.5	6.3
Drama & Theatre Studies	A*	43.1	44.3	35.0	34.5
	A	36.3	34.1	28.0	25.1
	B	22.9	21.7	15.7	14.5
	C	10.1	10.5	5.8	6.3
	Avg A*-C	24.4	21.0	17.7	14.4
Media/Film/TV Studies	A*	33.3	31.2	26.1	24.2
	A	33.1	31.6	24.6	23.3
	B	27.8	27.6	18.9	18.8
	C	13.3	15.2	7.7	8.5
	Avg A*-C	24.3	22.1	16.8	14.5

Subject	GCSE grade	AS Gender		A Gender	
		Female	Male	Female	Male
French	A*	48.6	35.7	36.6	26.6
	A	25.9	17.8	14.0	9.7
	B	9.6	6.3	2.9	2.2
	C	1.4	1.0	0.2	0.2
	Avg A*-C	16.8	11.1	9.9	6.7
German	A*	42.9	40.2	31.4	30.6
	A	22.5	20.2	12.1	11.3
	B	8.5	6.9	3.0	2.9
	C	1.5	1.1	0.3	0.2
	Avg A*-C	13.7	10.7	7.8	6.4
Spanish	A*	49.9	43.0	37.8	32.7
	A	29.9	23.0	16.2	13.3
	B	13.8	9.8	4.7	3.8
	C	2.8	1.2	0.4	0.3
	Avg A*-C	22.6	16.3	13.6	10.3
Music	A*	44.6	45.6	33.9	35.9
	A	27.4	29.4	18.4	19.9
	B	12.1	13.7	7.2	7.5
	C	4.0	4.3	1.7	1.9
	Avg A*-C	19.0	18.9	12.7	12.5
Physical Education/Sports Studies	A*	41.8	44.3	33.2	33.4
	A	34.5	39.8	25.0	26.5
	B	20.0	25.5	11.3	13.5
	C	7.8	10.0	3.2	4.1
	Avg A*-C	23.5	25.5	15.8	15.2
Design & Technology — all	A*	15.8	23.4	12.0	17.8
	A	14.2	22.2	10.2	15.6
	B	8.7	15.4	5.2	9.3
	C	2.9	6.9	1.2	3.1
	Avg A*-C	8.9	13.1	5.8	8.0

Table A3: Progression to AS and A levels by GCSE grade and centre type

Subject	GCSE grade	AS Centre type				A Centre type			
		Comp/ Academy	Grammar	Independent	Secondary Modern	Comp/ Academy	Grammar	Independent	Secondary Modern
Biology	A*	61.2	56.5	52.9	61.5	51.9	48.6	45.7	50.4
	A	54.7	49.8	44.4	59.6	39.2	36.5	32.3	42.0
	B	38.9	31.7	28.7	41.2	18.6	16.5	16.0	18.4
	C	11.2	6.4	8.8	12.0	2.6	1.8	2.9	2.7
	Avg A*-C	41.0	44.5	41.1	37.7	26.3	33.1	31.3	21.3
Chemistry	A*	71.0	64.3	57.8	65.0	57.6	55.0	48.3	48.6
	A	53.1	43.5	38.7	58.3	32.9	27.7	24.3	33.8
	B	28.2	19.5	16.8	29.5	10.7	7.4	6.7	11.3
	C	6.4	2.4	3.9	5.6	1.1	0.4	0.5	0.7
	Avg A*-C	37.4	42.6	39.4	31.7	22.7	31.0	28.8	16.4
Physics	A*	53.3	46.8	41.8	55.1	40.9	36.6	31.2	46.3
	A	38.2	32.0	28.2	37.0	22.6	18.8	17.6	23.3
	B	19.6	15.8	12.3	22.5	7.3	5.6	5.7	7.6
	C	4.2	2.6	3.2	4.9	0.8	0.5	0.7	1.5
	Avg A*-C	26.9	31.4	28.4	22.0	15.7	20.8	19.2	11.9
All combined science	A*	72.5	62.6	54.2	71.0	64.2	53.9	45.0	63.8
	A	57.3	51.3	43.4	60.7	40.3	36.2	29.2	42.4
	B	32.2	31.6	26.5	31.0	13.9	13.2	12.5	13.3
	C	5.9	7.1	7.3	5.3	1.2	1.4	2.5	1.1
	Avg A*-C	21.5	35.4	27.2	17.4	11.4	22.3	16.8	8.5
Core Science	A*	76.7	60.7	61.0	80.8	67.2	53.8	48.9	73.1
	A	47.3	51.1	41.8	55.6	34.2	37.1	26.9	31.9
	B	16.5	26.7	16.8	14.1	7.1	14.5	5.5	5.1
	C	1.8	5.2	2.9	1.8	0.4	1.0	0.8	0.3
	Avg A*-C	9.4	35.3	17.5	6.9	5.4	25.2	10.2	3.3

Subject	GCSE grade	AS Centre type				A Centre type			
		Comp/ Academy	Grammar	Independent	Secondary Modern	Comp/ Academy	Grammar	Independent	Secondary Modern
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Additional Science	A*	69.8	60.2	52.2	70.5	59.7	50.8	42.3	59.9
	A	54.2	48.2	40.8	53.1	35.1	30.1	25.5	34.6
	B	28.7	28.1	23.5	28.9	10.7	10.5	10.0	11.4
	C	5.0	6.0	6.2	4.4	0.8	1.0	1.9	0.8
	Avg A*-C	23.1	35.4	27.9	18.8	12.1	22.0	17.2	9.3
Mathematics	A*	86.5	82.2	75.6	83.2	76.2	73.0	65.1	73.1
	A	56.9	46.0	40.9	55.4	33.8	27.4	24.4	31.5
	B	17.3	9.8	9.7	15.3	4.5	1.9	2.9	3.4
	C	0.7	1.0	0.9	0.6	0.1	0.0	0.1	0.0
	Avg A*-C	22.1	46.6	31.6	14.3	13.2	34.6	22.1	7.2
Mathematics – Further Maths	A*	28.1	28.7	26.2	21.1	35.4	23.0	20.8	20.0
	A	5.9	4.8	2.9	2.2	7.4	4.7	2.5	2.2
	B	0.3	0.2	0.1	0.2	0.7	0.1	0.1	0.0
	C	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
	Avg A*-C	1.9	3.1	9.6	5.1	2.3	1.3	1.1	1.9
Information & Communications Technology	A*	14.9	10.3	11.1	7.7	10.2	6.6	8.2	7.7
	A	16.1	11.3	11.9	4.1	10.7	7.3	8.1	2.5
	B	14.6	10.2	12.2	1.7	8.1	5.5	7.2	0.2
	C	5.9	6.4	7.4	1.5	2.3	4.0	4.2	0.5
	Avg A*-C	11.7	10.4	11.0	2.1	6.7	6.4	7.1	0.9
Business Studies	A*	26.9	16.4	21.7	40.5	20.7	13.6	18.8	32.4
	A	32.6	24.3	30.4	42.9	25.4	20.0	25.9	33.7
	B	30.7	28.4	31.2	38.4	20.9	19.5	24.2	27.5
	C	16.4	15.6	20.9	17.0	8.6	7.7	14.0	8.1
	Avg A*-C	24.5	22.4	26.9	28.1	16.4	16.5	21.1	18.7

Subject	GCSE grade	AS Centre type				A Centre type			
		Comp/ Academy	Grammar	Independent	Secondary Modern	Comp/ Academy	Grammar	Independent	Secondary Modern
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Art & Design — all	A*	58.2	54.2	55.0	53.5	46.2	42.6	44.1	44.9
	A	45.5	38.8	42.6	43.3	33.2	28.5	33.6	32.0
	B	30.3	26.2	33.4	30.1	19.2	16.5	23.9	18.7
	C	13.5	11.7	18.6	11.3	7.0	6.0	11.9	5.8
	Avg A*-C	28.0	34.3	40.6	23.3	18.6	24.6	31.3	15.1
Geography	A*	43.7	40.5	37.4	43.2	35.5	33.5	31.0	33.6
	A	40.6	37.6	39.3	44.5	31.0	29.9	32.8	32.8
	B	31.6	30.0	30.5	35.4	20.5	22.0	23.7	22.3
	C	14.3	11.7	15.8	13.4	6.3	6.7	9.5	6.1
	Avg A*-C	28.3	33.6	33.4	26.8	19.0	26.3	26.9	17.0
History	A*	58.0	54.8	51.5	55.1	45.8	45.3	42.8	43.3
	A	50.5	44.7	43.1	48.3	37.6	34.1	35.1	35.1
	B	37.7	33.7	30.5	39.5	24.6	23.6	22.6	26.3
	C	19.2	12.5	15.2	18.3	10.4	6.4	9.5	8.7
	Avg A*-C	38.0	41.4	40.1	34.8	26.4	31.7	32.1	23.0
Religious Studies	A*	22.0	24.7	30.9	20.7	15.7	18.9	25.0	12.0
	A	18.7	19.5	26.3	17.7	12.0	12.9	20.3	9.4
	B	12.6	14.7	17.1	12.2	7.0	8.1	11.8	6.3
	C	5.4	5.8	8.1	6.8	2.2	3.5	5.2	3.2
	Avg A*-C	13.3	19.1	24.4	12.0	8.0	13.1	18.9	6.2
English Language & Literature	A*	55.3	45.4	40.6	60.3	46.0	37.4	34.0	50.3
	A	45.4	35.3	31.7	46.8	35.0	26.4	24.5	36.1
	B	30.0	23.7	21.6	28.7	19.8	15.6	15.2	18.7
	C	8.4	9.6	8.4	7.0	4.3	5.1	4.7	3.4
	Avg A*-C	23.7	31.7	27.0	18.9	16.3	23.6	20.7	12.5

Subject	GCSE grade	AS Centre type				A Centre type			
		Comp/ Academy	Grammar	Independent	Secondary Modern	Comp/ Academy	Grammar	Independent	Secondary Modern
		English Literature	A*	40.5	38.3	37.0	39.8	32.8	31.6
	A	27.0	26.7	26.2	29.8	19.6	19.8	20.3	22.7
	B	14.0	15.9	15.5	17.1	8.6	10.4	10.7	10.6
	C	4.0	5.4	5.2	5.1	2.0	2.4	3.3	2.1
	Avg A*-C	14.4	23.5	22.2	13.9	9.7	17.4	17.2	9.0
Drama & Theatre Studies	A*	44.2	36.6	44.8	50.0	35.8	29.1	35.7	39.6
	A	36.2	32.3	35.2	37.0	27.4	25.2	27.5	26.3
	B	22.2	21.9	25.3	19.6	14.9	14.8	19.4	12.9
	C	10.1	9.8	13.2	10.2	5.8	5.4	9.3	5.6
	Avg A*-C	22.0	26.4	30.3	19.8	15.4	19.6	23.5	13.1
Media/Film/TV Studies	A*	32.8	33.1	30.3	33.3	25.4	28.8	30.3	21.6
	A	33.0	32.3	23.2	31.4	24.3	25.6	19.0	23.4
	B	28.0	30.0	18.5	25.3	19.0	22.7	15.7	16.8
	C	14.5	13.6	11.9	11.5	8.3	6.1	6.9	6.9
	Avg A*-C	23.6	28.5	18.5	19.3	15.9	21.9	14.8	12.8
French	A*	50.9	41.4	37.9	58.0	37.4	30.6	29.3	40.3
	A	26.0	17.3	18.3	29.4	13.8	9.3	10.6	14.4
	B	9.4	4.9	5.3	9.3	2.8	1.6	2.2	2.5
	C	1.3	0.5	0.5	1.9	0.2	0.1	0.2	0.2
	Avg A*-C	12.8	17.4	19.0	10.7	6.9	11.2	13.3	4.8
German	A*	46.3	40.9	35.7	70.5	34.9	28.7	26.8	59.1
	A	24.2	17.3	18.5	20.2	13.4	8.6	10.5	9.6
	B	8.7	4.9	5.6	8.3	3.2	1.9	2.4	3.6
	C	1.4	0.2	1.1	1.5	0.3	0.1	0.2	0.0
	Avg A*-C	11.0	14.2	17.2	11.8	6.1	8.4	11.3	7.1

Subject	GCSE grade	AS Centre type				A Centre type			
		Comp/ Academy	Grammar	Independent	Secondary Modern	Comp/ Academy	Grammar	Independent	Secondary Modern
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Spanish	A*	51.9	45.8	43.9	45.2	38.7	34.0	34.2	32.1
	A	29.8	22.6	25.3	24.4	15.8	12.0	15.3	16.0
	B	13.7	8.6	9.0	10.5	4.8	2.8	3.8	1.6
	C	2.4	0.6	1.3	0.9	0.3	0.2	0.4	0.5
	Avg A*-C	18.0	21.1	25.6	10.9	10.0	13.2	17.9	5.8
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Music	A*	47.0	44.6	42.4	23.3	35.4	35.8	33.6	16.7
	A	29.2	25.3	28.0	18.7	19.3	16.5	20.8	10.8
	B	13.2	11.0	13.7	6.6	7.4	6.2	8.9	3.7
	C	4.3	3.2	4.3	2.4	1.8	2.5	1.7	1.4
	Avg A*-C	17.5	23.1	25.8	8.2	11.1	16.2	19.2	4.8
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Physical Education/Sports Studies	A*	46.3	36.3	35.1	44.0	35.5	29.4	27.0	37.0
	A	37.6	36.4	39.6	41.4	25.1	27.0	30.7	28.1
	B	23.0	26.9	30.2	23.3	12.1	15.4	20.6	10.6
	C	9.0	9.9	16.2	7.0	3.4	4.6	10.6	2.7
	Avg A*-C	23.9	30.0	32.0	21.1	14.4	21.1	23.7	12.0
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Design & Technology — all	A*	16.1	18.0	27.5	20.8	12.3	13.0	21.6	12.9
	A	15.8	19.8	27.0	16.9	11.2	13.6	20.3	10.8
	B	11.3	13.3	20.5	11.0	6.7	7.6	15.0	6.0
	C	5.0	8.3	11.7	3.9	2.2	3.7	7.7	1.7
	Avg A*-C	9.8	16.2	23.1	8.7	6.0	10.7	17.3	4.8