



BISHOP **S**TOPFORD **S**CHOOL

Validated Exam Results 2019

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Whole School Value Added Analysis

Value added measures compare the performance of BSS students with students nationally, taking into account each student's prior attainment.

The average of a student's KS2 performance is used as the measure of prior attainment when evaluating progress from KS2 to 4. Average KS4 performance is the prior attainment measure when evaluating progress in KS5.

KS2 to KS4

Progress 8 is the headline progress measure. It shows progress across a selected group of GCSE (or equivalent) exams.

	2016	2017	2018	2019
Progress 8	0.23	0.20	0.54	0.56

KS4 to KS5

At KS5 there are two national measures of progress, L3VA (Level 3 Value Added) and Alps.

LAT *(The figure is expressed in terms of an A level grade).*

Alps 'T Score' Grade

2016	2017	2018	2019
0.17	0.24	0.37	0.16
3 (Excellent)	2 (Outstanding)	2 (Outstanding)	4 (Very Good)

Comparison of Exam Results from 2017 - 2019

<i>Students completing A Level study</i>	2017	2018	2019
Number of Students	182	191	198*
% of Entries A* - B (A Level)	62	65	49
Average Points per Entry**	37.63	39.33	34.93
Average Grade	B-	B	C+
% of students achieving A levels at grades AAB or higher (in at least 2 facilitating subjects)	15.14	16.75	14.6

* There were 193 students who reached the end of their A level studies. The DfE figure includes 5 students who left the Sixth form after sitting an AS exam in the Summer of Y12

<i>Students at the end of KS4</i>	2017	2018	2019
Number of Students	200	214	212
% of Students achieving 5 or more standard passes (figures prior to 2017 show % achieving 5+ A* - C)	85	92	89
% of Students achieving 5 or more standard passes including En & ma (figures prior to 2017 show % achieving 5+ A* - C including En & ma)	85	90	86
% of Students achieving a strong pass in English and maths (grade 5 or better)	68	71	74
% of Students achieving a standard pass in English and maths (grade 4 or better). [Figures prior to 2017 show % achieving a grade C or better in both].	86	92	88
% of Students attaining the Ebacc with strong passes in En & ma	40	36	44
% of Students attaining the Ebacc with standard passes in En & ma (figures prior to 2017 show % achieving Ebacc with a grade C or better in En & ma).	43	55	64
Average Attainment 8 score*** (A8 figures omitted from years prior to 2017 as different points equivalences were used then)	54.33	59.42	60.61

***KS4 grade equivalences

Grade A* = 8.5
Grade A = 7
Grade B = 5.5
Grade C = 4
Grade D = 3
Grade E = 2
Grade F = 1.5
Grade G = 1

2017 results are letter grades for all subjects except English & Maths

2018 results are number grades for all GCSEs except Dt and Health & Social Care

2019 are number grades for all GCSEs. Health & Social Care and IT are vocational grades (Distinction * - Pass)

Comparison of A Level Results 2017 - 2019

Subject	2017			2018			2019		
	Total	% A* - B	% A - C	Total	% A* - B	% A - C	Total	% A* - B	% A - C
Art and Design	10	70	100	12	50	83	16	63	81
Biology	32	63	88	42	67	88	37	51	84
Business	29	41	76	20	70	90	27	67	96
Chemistry	34	76	97	51	76	90	40	45	78
Computer Science	5	80	100	6	83	83	4	75	75
Dt (Product Design)	12	58	83	6	33	100	1	0	0
Economics	43	63	86	31	65	84	56	48	86
English (Lit)	16	75	100	18	56	100	22	68	82
English (Lang & Lit)	24	42	75	25	72	88	25	28	92
French	7	86	100	6	83	100	9	67	89
German	6	83	100	5	60	80	6	33	50
Geography	11	82	91	22	73	91	23	43	83
Geology	38	47	71	33	45	70	30	27	67
History	46	61	85	43	63	95	50	58	84
Health Social Care*	16	44	94	10	70	90	7	27	55
Maths	59	71	90	64	75	95	58	48	74
Maths (Further)	6	100	100	9	89	100	8	75	100
Music	7	57	57	10	40	100	8	38	63
Physical Education	14	57	71	15	60	80	13	46	85
Physics	15	47	67	31	52	74	23	48	65
Politics	29	66	86	23	57	96	20	40	80
Psychology	43	70	91	53	79	98	51	53	80
Religious Studies	24	54	79	15	20	67	19	58	68
Spanish	3	67	100				10	30	50
Theatre Studies	12	50	83	12	58	83	7	14	71

* Health & Social Care changed from an A Level (A*-E) to a BTEC (Dist* - P) in 2019, so figures can't be directly compared with previous years.

A Level Value Added by Subject KS4 to KS5 2017 - 2019

Subject	2017			2018			2019		
	Number of Students	Alps Grade**	VA per Student*	Number of Students	Alps Grade**	VA per Student*	Number of Students	Alps Grade**	VA per Student*
Art and Design	10	5	-0.07	12	6	-0.35	16	6	-0.29
Biology	32	3	0.37	42	2	0.57	36	3	0.61
Business	29	4	0.14	20	2	0.59	27	2	0.62
Chemistry	34	2	0.68	51	2	0.72	39	4	0.37
Computer Science	5	2	1.19	6	2	1.12	4	4	0.04
Dt (Product Design)	12	5	-0.04	6	5	-0.36	1	7	-0.38
Economics	43	4	0.27	31	3	0.46	56	4	0.25
English Literature	16	2	0.60	18	3	0.25	23	4	0.29
English Lang & Lit	24	5	0.00	25	2	0.61	25	5	-0.05
French	7	6	-0.54	6	3	0.58	9	4	0.23
German	6	4	0.36	5	6	-0.47	6	7	-0.99
Geography	11	4	0.19	22	3	0.29	23	5	0.09
Geology	38	4	0.22	33	4	0.23	30	6	0.3
History	46	4	0.18	43	3	0.33	50	4	0.28
Health and Social	16	5	-0.01	10	2	0.66	7	2	0.46
Mathematics	59	4	0.22	63	3	0.40	60	6	-0.02
Mathematics (Further)	6	2	1.07	9	3	0.53	8	6	-0.17
Music	7	5	-0.03	10	5	0.09	8	6	-0.42
Physical Education	14	3	0.47	15	3	0.80	13	3	0.89
Physics	15	5	0.19	31	4	0.25	24	5	-0.03
Politics	29	3	0.37	23	4	0.33	20	5	-0.17
Psychology	43	2	0.44	53	2	0.65	51	3	0.31
Religious Studies	24	4	0.15	15	7	-0.34	19	5	0.14
Spanish	3	6	-0.04				10	7	-0.53
Theatre Studies	12	5	0.09	12	5	-0.16	7	7	-0.66

A student's A level performance in each subject is measured against a prediction based on that student's average points score across all of their GCSE subjects. If performance is better than the prediction this represents positive value added. VA is expressed in terms of an A level grade so, for example, 0.5 at A level represents each student, on average, scoring half a grade better than predicted.

**Alps grades range from 1 (Outstanding) to 9 (Poor). The red grades are for the top 3 grades which indicate performance in the 75th percentile and above. Black grades are for the middle 3 grades and span performance between the 25th and 74th percentile. Blue is for the bottom 3 grades covering performance from the 24th percentile down.

Comparison of KS4 Results 2017 - 2019

Subject	2017		2018		2019	
	Total Entries	% A* - C	Total Entries	% 9 - 4	Total Entries	% 9 - 4
Art and Design	39	77	42	74	46	91
Biology	80	100	86	100	82	100
Business Studies	14	21	13	8		
Chemistry	80	99	85	100	82	100
Computer Science	25	84	28	89	23	91
Drama	34	82	37	84	32	84
Design Technology	136	83	91	78	63	89
English Literature	200	4+: 84	213	4+: 93	212	92
		5+: 67		5+: 82		
English Language	200	4+: 89	215	4+: 90	212	90
		5+: 74		5+: 81		
French	84	57	96	73	17	88
German	27	85	95	73	93	71
Geography	54	89	85	88	113	86
Health & Social Care	24	79	25	80	37	86
History	94	88	106	95	140	89
ICT	ECDL: 22	100	TLM: 28	100	30	23
	iMedia: 13	15	iMedia: 11	27		
Mathematics	200	4+: 89	213	4+: 94	211**	90
		5+: 75		5+: 76		
Music	27	93	35	86	21	81
Physical Education	53	89	59	88	52	94
Physics	80	100	85	100	82	100
Religious Studies	199	75	213	89	212	86
Trilogy Science*	106	77	127	88	129	82
	106	89				
Spanish GCSE	91	69	8	88	96	86

* Trilogy Science replaces the discrete qualifications of Core (sat in Y10) and Additional (sat in Y11) - often referred to as Double Science. Students sit all the exams at the end of Y11 and receive two GCSE grades for the subject.

**One student in Y11 took GCSE Maths previously and sat the A level this year hence the discrepancy between Maths and English Entries

KS4 Value Added by Subject KS2 to KS4 2017 - 2019

	2017		2018		2019	
Subject	Average Subject Score*	Value Added per Student**	Average Subject Score	Value Added per Student**	Average Subject Score	Value Added per Student**
Art and Design	4.7	-0.51	4.9	-0.41	5.8	0.29
Biology	6.7	0.61	7.0	0.45	7.3	0.65
Business Studies	2.6	0.04	2.5	0.11		
Chemistry	5.8	-0.18	6.8	0.36	6.8	0.30
Computer Science	4.9	-0.06	5.5	0.33	6.0	1.39
Drama	5.0	0.19	5.2	-0.21	5.6	0.22
Dt: Food Technology	5.3	0.32	5.1	-0.34	5.7	0.41
Dt: Graphics	5.3	0.29	4.9	-0.11	5.8	0.79
Dt: Product Design	4.3	-0.40	4.9	0.22		
Dt Textiles	4.3	-0.81	5.2	-0.46		
English Literature	5.3	0.13	5.8	0.57	6.1	0.74
English Language	5.5	0.33	5.8	0.49	5.9	0.54
French	4.3	-0.19	4.8	-0.04	6.2	0.67
German	5.4	0.37	4.6	-0.18	4.6	-0.21
Geography	5.1	0.21	5.9	0.57	5.7	0.44
History	5.4	0.14	6.3	0.83	6.0	0.62
Health and Social	5.0	-0.02	5.0	-0.93	P2	0.38
iMedia	2.7	0.03	2.6	0.02		
ICT	7.9	0.58	6.4	1.03	D1	-1.15
Mathematics	5.6	0.36	5.7	0.27	5.8	0.49
Music	5.4	0.11	5.5	-0.02	5.2	-0.17
Physical Education	4.9	0.14	5.5	0.27	6.5	1.24
Physics	5.9	-0.19	6.6	0.17	6.7	0.18
Religious Studies	4.8	-0.26	6.0	0.56	5.9	0.42
Retail Business	1.1	-1.27	2.5	0.32		
Trilogy Science	4.1	0.14	5.4	0.83	5.2	0.76
	4.9	0.68				
Spanish	4.9	0.13	6.0	0.82	5.0	0.05

* All scores have been converted to the 9 to 1 scale, using the following equivalences

A*: 8.5, A: 7, B: 5.5, C: 4, D: 3, E: 2, F: 1.5, G: 1

** Value Added is expressed in terms of a whole GCSE grade. Hence, for example, a VA score of 0.14 represents progress 14% above the national average.

Progress 8 by pupil group

Breakdown	Cohort	Overall Progress 8		English element		Maths element		English Baccalaureate element		Open element	
		School	National benchmark 2019	School	National benchmark 2019	School	National benchmark 2019	School	National benchmark 2019	School	National benchmark 2019
All pupils	212	0.56	-0.03	0.70	-0.04	0.42	-0.02	0.59	-0.03	0.54	-0.04
Male	107	0.32	-0.25	0.49	-0.44	0.42	0.00	0.38	-0.18	0.08	-0.41
Female	105	0.78	0.22	0.87	0.38	0.39	-0.05	0.79	0.13	0.99	0.35
Disadvantaged	15	0.44	-0.45	0.46	-0.44	0.31	0.39	0.52	-0.49	0.32	-0.46
SEN with statement or EHC plan	5	1.06	-1.09	1.11	-0.03*	1.15	-0.02*	1.56	-0.03*	0.45	-0.04*
SEN support	2	-0.67	-0.43	-1.13	-0.04*	-0.54	-0.02*	-0.81	-0.03*	-0.32	-0.04*
English first language	201	0.5	-0.10	0.63	-0.04*	0.36	-0.02*	0.52	-0.03*	0.49	-0.04*
English additional language	11	1.47	0.49	1.55	-0.04*	1.19	-0.02*	1.71	-0.03*	1.35	-0.04*
Low prior attainment	9	0.76	-0.18	1.26	-0.21	0.15	-0.12	0.88	-0.16	0.73	-0.21
Middle prior attainment	64	0.46	-0.01	0.37	-0.02	0.43	-0.01	0.68	-0.01	0.32	-0.02
High prior attainment	136	0.58	0.01	0.78	0.00	0.41	0.00	0.52	0.00	0.62	0.00

* The national benchmark quoted is the national average for **all** pupils

English Baccalaureate by subject area, Progress 8

Breakdown	Cohort	Science – best 2			Languages - best			Humanities - best		
		VA cohort	School	National 2019	VA cohort	School	National 2019	VA cohort	School	National 2019
All pupils	212	211	0.50	0.00	189	-0.23	0.00	208	0.45	0.00
Male	107	106	0.34	-0.07	92	-0.53	-0.38	105	0.12	-0.23
Female	105	105	0.65	0.08	97	0.06	0.29	103	0.79	0.23
Disadvantaged	15	15	0.57	-0.35	10	-0.34	-0.22	15	-0.05	-0.48
SEN with statement or EHC plan	5	4	1.78	0.00*	3	-0.28	0.00*	5	1.02	0.00*
SEN support	2	2	-0.35	0.00*	0	N/A	0.00*	0	N/A	0.00*
English first language	201	200	0.44	0.00*	180	-0.27	0.00*	197	0.38	0.00*
English additional language	11	11	1.52	0.00*	9	0.62	0.00*	11	1.67	0.00*
Low prior attainment	9	9	0.48	0.00	4	-0.87	-0.01	8	0.84	0.00
Middle prior attainment	64	64	0.56	0.00	53	-0.06	0.00	62	0.42	0.00
High prior attainment	136	135	0.47	0.01	130	-0.27	0.00	135	0.44	0.01

* The national benchmark quoted is the national average for **all** pupils

