

# Maths Analysis

## Headline Figures

This section contains basic data regarding performance at KS3 and predictions at KS4 in the subject.

## Section 1: Year 11

### Subject Performance By Cohort

This table shows subject performance with percentages based upon all students who are studying the subject (the cohort). This is determined by the presence of a target for each student in this subject.

Academic Year	Entries	Cohort	Retention	A*-A No	A* - A%	A*-C	A*-C %	A*-G	A*-G%	Average Points Score	Progress 8	% Included in P8 Score
2016\2017	135	142	95.07	13.0	9.63	58.0	42.96	135.0	100.00	4.52	-0.20	97.04

### Attainment Against Targets

This table displays headline figures for a variety of comparative result types. The difference row is between the exams and the targets. A positive difference indicates that the students exceeded their targets.

Result Type	No	A*-A No	A*-A %	A*-C No	A*-C %	A*-G No	A*-G %	APS
Y11 Autumn 1	135	13.00	9.63	58.00	42.96	135.00	100.00	41.31
KS4 Target	138	40.00	28.99	111.00	80.43	138.00	100.00	46.63
Difference	-3	-27.00	-19.36	-53.00	-37.47	-3.00	0.00	-5.32

### Grade Distribution

This table displays the distribution of grades in the subject after each data drop. The cumulative percentage can be used to see grade bands such as A\*-A, A\*-B, A\*-C etc.

Grade	No	Percent	Cumulative
A+	4	3.0	3.0
A	9	6.7	9.6
B	20	14.8	24.4
C	25	18.5	43.0
D	49	36.3	79.3
E	19	14.1	93.3
F	5	3.7	97.0
G	4	3.0	100.0

## Subgroup Analysis

This section breaks the performance down into teaching groups and subgroups.

### Teaching Groups

This table compares predictions to targets in terms of grade bands for each teaching group. A positive difference would indicate that the teaching group exceeded its targets.

Group	No	Y11 Autumn 1 A*-A %	KS4 Target A*-A %	Difference A*-A	Y11 Autumn 1 A*-C %	KS4 Target A*-C %	Difference A*-C	Y11 Autumn 1 A*-G %	KS4 Target A*-G %	Difference A*-G
11M/Ma1	27	7.4	48.1	-40.7	63.0	96.3	-33.3	100.0	100.0	0.0
11M/Ma2	25	0.0	12.0	-12.0	4.0	76.0	-72.0	100.0	96.0	4.0
11M/Ma3	22	0.0	13.6	-13.6	22.7	100.0	-77.3	100.0	100.0	0.0
11M/Ma4	15	0.0	0.0	0.0	20.0	46.7	-26.7	100.0	100.0	0.0
11M/Ma5	14	0.0	0.0	0.0	0.0	42.9	-42.9	100.0	107.1	-7.1
11T/Ma1	32	34.4	59.4	-25.0	100.0	90.6	9.4	100.0	90.6	9.4

This table compares predictions to targets in terms of A8 estimates and then a P8 style residual. A positive difference indicates that the teaching group exceeded its targets.

Teaching Group	Entries	APS	A8 Estimate	P8
11M/Ma1	27	42.59	56.28	-13.69
11M/Ma2	25	38.17	48.73	-10.56
11M/Ma3	22	38.16	48.89	-10.73
11M/Ma4	15	36.60	43.61	-7.01
11M/Ma5	14	33.01	38.84	-5.83
11T/Ma1	32	46.81	62.84	-16.03

## Gender

This table gives headline statistics for the subgroups. The P8 is the difference between the A8 estimate of the prediction and the A8 of the targets.

Interest Group	number of students	A*-A No	A*-A%	A*-C No	A*-C%	A*-G No	A*-G%	A8	P8
All	135	13.0	9.63	58.0	42.96	135.0	100.00	4.67	-0.20
Female	66	9.0	13.64	27.0	40.91	66.0	100.00	4.87	0.10
Male	69	4.0	5.80	31.0	44.93	69.0	100.00	4.47	-0.49

This table compares performance against targets for the subgroups. A positive difference indicates that the subgroup exceeded its targets.

Group	No	Y11 Autumn 1 A*-A %	KS4 Target A*-A %	Difference A*-A	Y11 Autumn 1 A*-C %	KS4 Target A*-C %	Difference A*-C	Y11 Autumn 1 A*-G %	KS4 Target A*-G %	Difference A*-G
Female	66	13.6	18.2	-4.6	40.9	80.3	-39.4	100.0	101.5	-1.5
Male	69	5.8	40.6	-34.8	44.9	84.1	-39.2	100.0	102.9	-2.9

## Attainment 8 and Progress 8

Interest Group	Row Count	Attainment 8	Progress 8
All	142	4.44	-0.38
Male	74	4.17	-0.73
Female	68	4.73	-0.01
PP	46	4.01	-0.64
Non-PP	96	4.64	-0.25
SEND - S	2	0.00	-2.28
SEND - K	14	2.74	-1.11
SEND - E	1	4.90	0.13
Non SEND	125	4.70	-0.27
EAL	12	5.09	0.34
Non-EAL	130	4.38	-0.44

## Raise Ethnicity

This table gives headline statistics for the subgroups.

Interest Group	number of students	A*-A No	A*-A%	A*-C No	A*-C%	A*-G No	A*-G%	A8	P8
All	135	13.0	9.63	58.0	42.96	135.0	100.00	4.67	-0.20
Any other Asian background	1	1.0	100.00	1.0	100.00	1.0	100.00	7.25	0.80
Any other black background	2	0.0	0.00	0.0	0.00	2.0	100.00	4.00	0.38
Any other ethnic group	1	0.0	0.00	1.0	100.00	1.0	100.00	6.10	-0.17
Any other mixed background	2	0.0	0.00	0.0	0.00	2.0	100.00	3.80	1.63
Any other white background	9	1.0	11.11	5.0	55.56	9.0	100.00	5.20	0.40
Black African	3	1.0	33.33	2.0	66.67	3.0	100.00	5.07	0.42
Caribbean	2	0.0	0.00	1.0	50.00	2.0	100.00	4.85	0.31
Indian	1	1.0	100.00	1.0	100.00	1.0	100.00	7.05	0.99
Irish	1	0.0	0.00	0.0	0.00	1.0	100.00	3.70	-0.47
White and Asian	2	1.0	50.00	1.0	50.00	2.0	100.00	5.53	-0.47
White and Black Caribbean	6	1.0	16.67	4.0	66.67	6.0	100.00	4.74	-0.30
White British	105	7.0	6.67	42.0	40.00	105.0	100.00	4.56	-0.31

## Horizon Group

Interest Group	number of students	A*-A No	A*-A%	A*-C No	A*-C%	A*-G No	A*-G%	A8	P8
KS2 High	38	10.0	26.32	34.0	89.47	38.0	100.00	6.00	-0.28
KS2 High F	15	6.0	40.00	14.0	93.33	15.0	100.00	6.58	0.14
KS2 High M	23	4.0	17.39	20.0	86.96	23.0	100.00	5.63	-0.56

## Section 2: Year 10

### Subject Performance By Cohort

This table shows subject performance with percentages based upon all students who are studying the subject (the cohort). This is determined by the presence of a target for each student in this subject.

Academic Year	Entries	Cohort	Retention	A*-A No	A* - A%	A*-C	A*-C %	A*-G	A*-G%	Average Points Score	Progress 8	% Included in P8 Score
2016\2017	157	167	94.01	22.0	14.01	70.0	44.59	157.0	100.00	4.21	-0.44	92.99

### Attainment Against Targets

This table displays headline figures for a variety of comparative result types. The difference row is between the exams and the targets. A positive difference indicates that the students exceeded their targets.

Result Type	No	A*-A No	A*-A %	A*-C No	A*-C %	A*-G No	A*-G %	APS
Y10 Autumn 1	157	22.00	14.01	70.00	44.59	157.00	100.00	39.13
KS4 Target	153	49.00	32.03	124.00	81.05	153.00	100.00	47.00
Difference	4	-27.00	-18.02	-54.00	-36.46	4.00	0.00	-7.87

## Grade Distribution

This table displays the distribution of grades in the subject after each data drop. The cumulative percentage can be used to see grade bands such as A\*-A, A\*-B, A\*-C etc.

Grade	No	Percent	Cumulative
A+	8	5.1	5.1
A	14	8.9	14.0
B	15	9.6	23.6
C	33	21.0	44.6
D	22	14.0	58.6
E	28	17.8	76.4
F	29	18.5	94.9
G	8	5.1	100.0

## Subgroup Analysis

This section breaks the performance down into teaching groups and subgroups.

### Teaching Groups

This table compares predictions to targets in terms of grade bands for each teaching group. A positive difference would indicate that the teaching group exceeded its targets.

Group	No	Y10 Autumn 1 A*-A %	KS4 Target A*-A %	Difference A*-A	Y10 Autumn 1 A*-C %	KS4 Target A*-C %	Difference A*-C	Y10 Autumn 1 A*-G %	KS4 Target A*-G %	Difference A*-G
10M/Ma1	31	9.7	74.2	-64.5	77.4	100.0	-22.6	100.0	100.0	0.0
10M/Ma2	30	0.0	20.0	-20.0	50.0	93.3	-43.3	100.0	93.3	6.7
10M/Ma3	23	0.0	0.0	0.0	0.0	87.0	-87.0	100.0	87.0	13.0
10M/Ma4	21	0.0	4.8	-4.8	0.0	42.9	-42.9	100.0	95.2	4.8
10M/Ma5	20	0.0	0.0	0.0	0.0	15.0	-15.0	100.0	95.0	5.0
10T/Ma1	31	61.3	61.3	0.0	100.0	96.8	3.2	100.0	96.8	3.2

Group	No	Y10 Autumn 1 A*-A %	KS4 Target A*-A %	Difference A*-A	Y10 Autumn 1 A*-C %	KS4 Target A*-C %	Difference A*-C	Y10 Autumn 1 A*-G %	KS4 Target A*-G %	Difference A*-G
KS4 Maths Unknown	1	0.0	0.0	0.0	0.0	300.0	-300.0	100.0	500.0	-400.0

This table compares predictions to targets in terms of A8 estimates and then a P8 style residual. A positive difference indicates that the teaching group exceeded its targets.

Teaching Group	Entries	APS	A8 Estimate	P8
10M/Ma1	31	39.52	61.21	-21.69
10M/Ma2	30	39.23	50.65	-11.42
10M/Ma3	23	35.33	46.65	-11.32
10M/Ma4	21	33.08	35.75	-2.67
10M/Ma5	20	32.25	30.38	1.87
10T/Ma1	31	44.88	62.30	-17.42
KS4 Maths Unknown	1	30.33	44.49	-14.16

## Gender

This table gives headline statistics for the subgroups. The P8 is the difference between the A8 estimate of the prediction and the A8 of the targets.

Interest Group	number of students	A*-A No	A*-A%	A*-C No	A*-C%	A*-G No	A*-G%	A8	P8
All	157	22.0	14.01	70.0	44.59	157.0	100.00	4.07	-0.44
Female	72	11.0	15.28	37.0	51.39	72.0	100.00	4.52	0.06
Male	85	11.0	12.94	33.0	38.82	85.0	100.00	3.68	-0.85

This table compares performance against targets for the subgroups. A positive difference indicates that the subgroup exceeded its targets.

Group	No	Y10 Autumn 1 A*-A %	KS4 Target A*-A %	Difference A*-A	Y10 Autumn 1 A*-C %	KS4 Target A*-C %	Difference A*-C	Y10 Autumn 1 A*-G %	KS4 Target A*-G %	Difference A*-G
Female	72	15.3	23.6	-8.3	51.4	76.4	-25.0	100.0	94.4	5.6
Male	85	12.9	37.6	-24.7	38.8	81.2	-42.4	100.0	100.0	0.0

## Attainment 8 and Progress 8

Interest Group	Row Count	Attainment 8	Progress 8
All	166	3.87	-0.62
Male	91	3.46	-1.05
Female	75	4.37	-0.09
PP	63	3.40	-0.93
Non-PP	103	4.16	-0.43
SEND - S	1	2.20	-2.27
SEND - P	1	3.10	
SEND - K	24	2.79	-0.48
SEND - E	2	2.75	0.26
Non SEND	138	4.09	-0.65
EAL	25	4.11	-0.30
Non-EAL	141	3.83	-0.67

## Raise Ethnicity

This table gives headline statistics for the subgroups.

Interest Group	number of students	A*-A No	A*-A%	A*-C No	A*-C%	A*-G No	A*-G%	A8	P8
All	157	22.0	14.01	70.0	44.59	157.0	100.00	4.07	-0.44
Any other Asian background	1	0.0	0.00	0.0	0.00	1.0	100.00	2.70	
Any other black background	1	0.0	0.00	0.0	0.00	1.0	100.00	3.40	1.96
Any other ethnic group	3	1.0	33.33	3.0	100.00	3.0	100.00	5.37	-0.14

Interest Group	number of students	A*-A No	A*-A%	A*-C No	A*-C%	A*-G No	A*-G%	A8	P8
Any other mixed background	2	0.0	0.00	1.0	50.00	2.0	100.00	3.95	0.93
Any other white background	23	2.0	8.70	12.0	52.17	23.0	100.00	3.74	-0.74
Black African	2	2.0	100.00	2.0	100.00	2.0	100.00	5.90	-0.52
Caribbean	1	0.0	0.00	0.0	0.00	1.0	100.00	3.10	0.81
Unclassified ethnic group	1	1.0	100.00	1.0	100.00	1.0	100.00	6.80	0.85
White and Black African	1	0.0	0.00	1.0	100.00	1.0	100.00	5.20	1.55
White and Black Caribbean	6	0.0	0.00	3.0	50.00	6.0	100.00	3.87	-0.84
White British	116	16.0	13.79	47.0	40.52	116.0	100.00	4.07	-0.45

### Horizon Group

Interest Group	number of students	A*-A No	A*-A%	A*-C No	A*-C%	A*-G No	A*-G%	A8	P8
KS2 High	54	21.0	38.89	41.0	75.93	54.0	100.00	5.47	-0.52
KS2 High F	28	11.0	39.29	23.0	82.14	28.0	100.00	5.85	0.00
KS2 High M	26	10.0	38.46	18.0	69.23	26.0	100.00	5.06	-1.07

### Section 3: Year 9

Interest Group	Cohort	Average Target Grade	Average Attainment Grade	% Below Target	% Above Target
All	159	4	2	80.50	0.00
Male	85	4	2	81.18	0.00
Female	74	4	2	79.73	0.00
PP	56	4	2	75.00	0.00
Non-PP	103	4	2	83.50	0.00
SEND - K	34	4	2	76.47	0.00
SEND - E	2	3	1	50.00	0.00
Non SEND	123	4	2	82.11	0.00
EAL	20	3	2	50.00	0.00
Non-EAL	139	4	2	84.89	0.00

### Section 4: Year 8

Interest Group	Cohort	Average Target Grade	Average Attainment Grade	% Below Target	% Above Target
All	134	3	2	38.06	5.97
Male	68	3	2	44.12	4.41
Female	66	3	2	31.82	7.58
PP	51	2	2	29.41	1.96
Non-PP	83	3	2	43.37	8.43
SEND - K	16	1	2	6.25	6.25
Non SEND	118	3	2	42.37	5.93
EAL	17	3	2	47.06	0.00
Non-EAL	117	3	2	36.75	6.84

### Section 5: Year 7

Interest Group	Cohort	Average Target Grade	Average Attainment Grade	% Below Target	% Above Target
All	144		2	0.00	0.00
Male	73		2	0.00	0.00
Female	71		2	0.00	0.00
PP	47		2	0.00	0.00
Non-PP	97		2	0.00	0.00
SEND - S	1			0.00	0.00
SEND - K	29		2	0.00	0.00

<b>Interest Group</b>	<b>Cohort</b>	<b>Average Target Grade</b>	<b>Average Attainment Grade</b>	<b>% Below Target</b>	<b>% Above Target</b>
SEND - E	1			0.00	0.00
Non SEND	113		2	0.00	0.00
EAL	15		2	0.00	0.00
Non-EAL	129		2	0.00	0.00