

| | |
|---|--|
| Report to : | EDUCATION ATTAINMENT IMPROVEMENT BOARD |
| Date : | 13 October 2015 |
| Reporting Officer: | Heather Loveridge, Assistant Executive Director (Learning) |
| Subject : | NEW PERFORMANCE MEASURES FOR SECONDARY SCHOOLS |
| Report Summary : | The Department for Education has introduced a new set of performance indicators for the end of secondary school education, i.e. the end of KS4. These measures will come into effect in August 2016. |
| Recommendations : | That members note the changes, and understand the new parameters for assessing the performance of schools in the borough. |
| Links to Sustainable Community Strategy : | These new performance measures provide an indication of a school's performance across a much wider range of subjects than was previously the case, and put the emphasis on progress rather than attainment. The borough's long-term economic strategy depends ultimately on its capacity to produce and then retain its own talented young people. |
| Policy Implications : | The above is in line with the strategic plan. |
| Financial Implications : (Authorised by the Section 151 Officer) | There are no direct financial implications arising from this report. |
| Legal Implications : (Authorised by the Borough Solicitor) | It is important that Members understand the national framework and its changes so that there is appropriate resource and challenge. |
| Risk Management : | From August 2016, local authority secondary schools that achieve below the floor standard set by Progress 8 are at risk of enforced academisation., |
| Access to Information : | The background papers relating to this report can be inspected by contacting Bob Berry. |



Telephone:0161 342 2330



e-mail: bob.berry@tameside.gov.uk

1 INTRODUCTION

- 1.1 Prior to 15/16 all students, secondary schools and academies are measured on how many GCSE's they achieve at A*-C including English and Mathematics and the levels of progress made between Key Stage 2 and Key Stage 4. Next year this is going to change to Progress 8 & Attainment 8.
- 1.2 This report focuses on the changes to 2016 only and does not reflect the changes to GCSEs coming in 2017. These will be reported on at a later date.

2 WHAT IS PROGRESS 8?

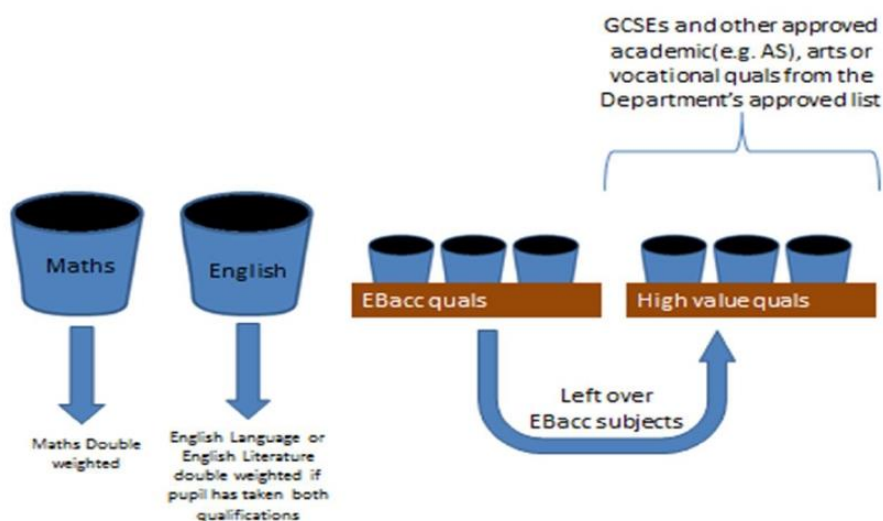
- 2.1 Progress 8 is a new secondary accountability measure. Its aim is to measure the progress of pupils across a selected set of 8 subjects. It is designed to encourage schools to offer a broad and balanced curriculum at KS4, and reward schools for the teaching of all their pupils.
- 2.2 It is a type of value added measure – pupils' results are compared to the actual achievements of other pupils with the same prior attainment. It has been introduced alongside another new accountability measure; Attainment 8 – the two are linked.

3 WHAT IS ATTAINMENT 8?

- 3.1 The Progress 8 score is based on the performance of pupils across 8 subjects – this performance score is known as the “Attainment 8” score.
- 3.2 The Attainment 8 grade is a grade that pupils will get at the end of Key Stage 4 showing their average achievement across 8 subjects. It is similar to the “Best 8” figure that schools get now however the subjects involved are different.
- 3.3 For 2016, grades will be measured on a 1-8 point score scale. On this new scale, 1 is equivalent to a Grade G GCSE. An increase in one point will represent an increase of one GCSE grade up to 8, which is equivalent to an A* GCSE. The new GCSE scale is below:

| GCSE GRADE | 2016 POINTS |
|------------|-------------|
| A* | 8 |
| A | 7 |
| B | 6 |
| C | 5 |
| D | 4 |
| E | 3 |
| F | 2 |
| G | 1 |

- 3.4 The Attainment 8 measure will take the average of a pupil's points across a set of their best 8 subjects. The 8 qualifications that count towards the Attainment 8 measure must fall into one of three “buckets.” If a qualification does not fall into one of these buckets, it is not counted in the Attainment 8 (or Progress 8) measure. The highest scoring subjects in each category fill the buckets.



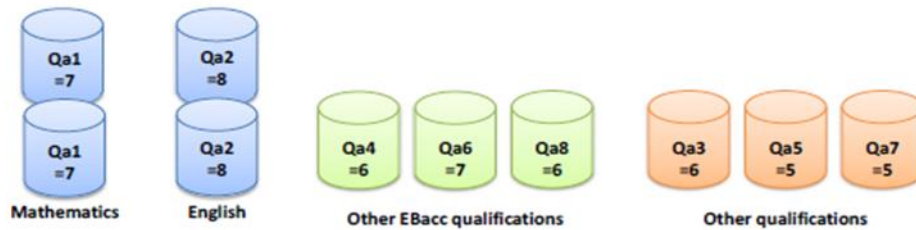
- 3.5 The first category of 'buckets' are for English and maths. These are double-weighted i.e. count double. For English, it is the higher grade out of English Language or Literature that counts double. It is only double weighted if a pupil has taken both English Language and English Literature.
- 3.6 The second group of 'buckets' is for Ebacc subjects. Ebacc subjects are Science, Humanities and Languages. Any combination of 3 subjects from these areas can count in these 'buckets'. The highest 3 will go into these buckets.
- 3.7 Three "other" slots can be filled by any remaining Ebacc qualifications or other DfE approved academic, arts or vocational qualifications. The English qualification which isn't double weighted can be included in the other slots also.
- 3.8 An example of Attainment 8 is below:

| ID | Qualification | Grade | Points | Included in the measure | Element | Doubled? | Total points |
|-----|-------------------------|-------|--------|-------------------------|---------|----------|--------------|
| Qa1 | GCSE mathematics | A | 7 | ✓ | Maths | ✓ | 14 |
| Qa2 | GCSE English language | A* | 8 | ✓ | English | ✓ | 16 |
| Qa3 | GCSE English literature | B | 6 | ✓ | Other | × | 6 |
| Qa4 | GCSE additional science | B | 6 | ✓ | EBacc | × | 6 |
| Qa5 | GCSE art | C | 5 | ✓ | Other | × | 5 |
| Qa6 | GCSE core science | A | 7 | ✓ | EBacc | × | 7 |
| Qa7 | GCSE French | C | 5 | ✓ | Other | × | 5 |
| Qa8 | GCSE Spanish | B | 6 | ✓ | EBacc | × | 6 |
| Qa9 | GCSE religious studies | D | 4 | × | | | |

To the left are the results for Gillian.

Gillian sat 9 subjects.

For Attainment 8, we must 'drop' these subjects into 'buckets'.



$$\begin{aligned}
 \text{Attainment 8 score} &= (\text{Qa1} + \text{Qa1}) + (\text{Qa2} + \text{Qa2 as taken English literature}) \\
 &\quad + \text{Qa4} + \text{Qa6} + \text{Qa8} + \text{Qa3} + \text{Qa5} + \text{Qa7} \\
 &= (7 + 7) + (8 + 8) + 6 + 7 + 6 + 6 + 5 + 5 \\
 &= 65
 \end{aligned}$$

Attainment 8 points total is 65

$65/10 = 6.5$ – This is Gillian’s Attainment 8 score. 6.5 is the average grade of Pupil A – Between an “A” and “B”

4 ATTAINMENT 8 TO PROGRESS 8

4.1 To obtain a pupil’s Progress 8 score you must get their Attainment 8 points score, minus their estimated Attainment 8 points score, and divide the resulting figure by 10; this will produce the Progress 8 figure .

$$\text{Progress 8 Score} = (\text{Attainment 8 score} - \text{Attainment 8 estimate})/10$$

4.2 The estimated Attainment 8 score is the average Attainment 8 score of all pupils nationally with the same prior attainment at key stage 2. The prior attainment at key stage 2 of pupils nationally will be released beforehand to schools from the DfE. The pupils’ key stage 2 level will translate into a predicted Attainment 8 score. An example of this is below:

| KS2 average fine level (English & Maths) | 2014 Attainment 8 estimate | KS2 average fine level (English & Maths) | 2014 Attainment 8 estimate | KS2 average fine level (English & Maths) | 2014 Attainment 8 estimate |
|--|----------------------------|--|----------------------------|--|----------------------------|
| 1.5 ^a | 14.94 | 3.7 | 31.75 | 4.9 | 55.11 |
| 2.0 ^b | 18.06 | 3.8 | 33.02 | 5.0 | 57.33 |
| 2.5 ^c | 19.13 | 3.9 | 34.71 | 5.1 | 59.72 |
| 2.8 ^d | 20.88 | 4.0 | 36.55 | 5.2 | 62.02 |
| 2.9 | 21.78 | 4.1 | 38.48 | 5.3 | 64.46 |
| 3.0 | 23.12 | 4.2 | 40.42 | 5.4 | 66.97 |
| 3.1 | 23.38 | 4.3 | 42.26 | 5.5 | 69.72 |
| 3.2 | 24.98 | 4.4 | 44.41 | 5.6 | 72.49 |
| 3.3 | 26.04 | 4.5 | 46.37 | 5.7 | 74.71 |
| 3.4 | 26.98 | 4.6 | 48.52 | 5.8 ^e | 76.32 |
| 3.5 | 28.39 | 4.7 | 50.67 | | |
| 3.6 | 29.95 | 4.8 | 52.84 | | |

5 CALCULATING PROGRESS 8

- 5.1 Referring back to the Attainment 8 example previously, to calculate Gillian's Progress 8 score we must first get her estimated Attainment 8 score:

Gillian's Attainment 8 points total is 65

Her prior attainment at Key Stage 2 was an average of level 5.1. This equals an Attainment 8 grade of 60.

$$65 - 59.72 = 5 \text{ (to 1 DP)}$$

We then need to divide this number by 10 to get our Progress 8 figure.

$$5/10 = 0.5$$

Her Progress 8 figure is +0.5.

Gillian has achieved an average of half a grade better per subject than other pupils with the same prior attainment.

- 5.2 A positive Progress 8 score means an achievement greater than National Average achievement of pupils with similar prior attainment. A negative Progress 8 score means an achievement less than National average achievement of pupils with similar prior attainment.

6 PROGRESS 8 FIGURE FOR A SCHOOL AND WHAT IT MEANS

- 6.1 Each pupils Progress 8 figure is added up and divided by the total number of pupils on roll. This figure is then the school's Progress 8 result. If the figure is +0.5 it means that on average pupils in the school achieve 0.5 grade per subject better than were predicted to. If the figure is -0.5 it means that on average pupils in the school achieve -0.5 grade per subject below what they were predicted. An example is below:

Assuming that Gillian and Sonya are two of 200 pupils in a schools KS4 cohort (each with a range of Progress 8 scores):

The school's Progress 8 score is therefore $29.5/200 = 0.147$.

This score would be rounded to two decimal places in performance tables, so this school would have a published Progress 8 score of +0.15.

Pupils in this school achieve on average +0.15 more than their peers.

- 6.2 If the figure is -0.5 it means that on average pupils in the school achieve half a grade worse per subject below what they were predicted - this is the new floor standard. If schools fall below this floor standard, this is likely to trigger an Ofsted inspection. A score of zero would mean pupils in the school, on average, have achieved the grades expected of them. If a school achieves +1.0 or above (meaning pupils achieved 1 grade more than they were predicted in each subject), they will be exempt from inspection for the following academic year.

7 SUMMARY

- 7.1 Progress 8 and Attainment 8 come into force in 2016 for all secondary schools. It will be the new measure for all secondary schools. Each pupil will have an Attainment 8 score and a Progress 8 score. Schools will also receive an Attainment 8 score and a Progress 8 score. If the Progress 8 score for the school is -0.5 or lower, the school will fall below the floor standard; this is likely to trigger an Ofsted inspection.

8 RECOMMENDATIONS

- 8.1 That the board is kept fully up to date with the changes to performance measures that are taking place over the coming years.

| Pupil Number | Pupil Name | Pupil Progress 8 score |
|--------------|---------------|------------------------|
| 1 | Gillian - | 0.5 |
| 2 | Sonya - | -2 |
| 3 | James - | 0.2 |
| ... | ... | ... |
| ... | ... | ... |
| 200 | Steven - | -0.7 |
| | Total: | 29.5 |