

2011 KS1 – KS2 PROGRESS MEASURES

Background

1. The percentage of pupils making two levels of progress between the end of Key Stage 1 (KS1) and the end of Key Stage 2 (KS2) in English and separately in maths has been reported in the Primary School Performance Tables since 2009.
2. In the past, there have slight differences between the methodology used to calculate national level figures published in Statistical First Releases and that used to calculate school level figures in Performance Tables. The methodology has been revised slightly in 2011 to ensure that the best of both of the previous methodologies is used and applied to all levels of reporting progress.

What is published in the Performance Tables?

3. Headline indicators in the Tables will report on:
 - The percentage of pupils making at least two levels of progress in English between the end of KS1 and the end of KS2;
 - The percentage of eligible pupils included in the English progress measure (coverage);
 - The percentage of pupils making at least two levels of progress in maths between the end of KS1 and the end of KS2; and
 - The percentage of eligible pupils included in the maths progress measure (coverage).

Pupils included in the Progress Measures

4. Pupils are included in the progress measures if they are at the end of Key Stage 2 in both English and maths, i.e. they have taken tests in both English and maths and at least one of those tests was in the current year; or they have been marked as working below the level of the tests (B), Absent (A) or working at the level of the tests but unable to access them (T).
5. As with all other indicators in the Tables, pupils discounted as recently arrived from overseas are excluded from the progress measures at school and LA level but included at national level.
6. Pupils with lost test results (X) are normally excluded from school and LA indicators in the performance tables but included at national level. However, they are included in progress measures at all levels using their Teacher Assessment (TA) to replace the test level.
7. Pupils in non-maintained schools are excluded from the progress measures at all levels as they are less likely to have KS1 results.

Methodology

8. In order to calculate progress between the end of KS1 and the end of KS2, we need to know the pupil's attainment at the end of KS1 and also at the end of KS2.

Calculating KS1 attainment

9. At the end of KS1, pupils are assessed in reading, writing, speaking and listening, mathematics and science. In reading, writing and mathematics, pupils can be awarded W (working towards level 1), level 1, 2C, 2B, 2A, 3 or 4. A small number of pupils may also have A (pupil was absent for a large part of the year) or D (Disapplied from the national curriculum). In speaking and listening and science, pupils can be awarded W, level 1, 2, 3 or 4, A or D. Any pupils who were not in an English maintained school at the end of KS1 will not have any KS1 Teacher Assessments.
10. The method for calculating KS1 attainment is unchanged from last year.
11. The starting point for the mathematics progress measure is the KS1 mathematics Teacher Assessment. This is converted to a numerical level so that the number of levels of progress can be calculated. W is converted to level 0 and 2C, 2B and 2A are all converted to level 2.
12. For the English progress measure, we calculate the KS1 English level from the reading and writing levels. We convert the reading and writing levels into points as follows:

Level	W	1	2C	2B	2A	3	4
Points allocated	3	9	13	15	17	21	27

13. If a pupil has points in both Reading and Writing, we take an average of the two to come up with a points score for English. If they have points in only reading or in only writing, then these points are taken as the English points score.
14. The overall English level, using whole levels only, is then calculated as in the table below:

Level	W	1	2	3	4
Points score	3 – 5	6 – 11	12 – 17	18 – 23	24+

Calculating KS2 attainment

15. At the end of KS2, pupils take tests in English (made up of separate tests in reading and writing) and mathematics. Pupils also have teacher assessments in English, mathematics and science.
16. In the KS2 tests, pupils can achieve level 3, 4 or 5. Pupils who are believed to be working below level 3 should not be entered for the tests and will be given a test level B (below the level of the test). A small number of pupils who take the tests do not achieve sufficient marks to be awarded a level 3, these pupils will be awarded either a compensatory level 2 (if they score one or two marks below that required for a level 3) or N (not awarded a level). It is also possible for pupils to be given the following levels - A (absent for one or more of the papers in that subject), M (result missing), T (working at the level of the tests but unable to access them), X (one or more of the pupil's papers in that subject was lost before marking), S (pending maladministration investigation) or Q (maladministration).
17. In the KS2 teacher assessments, pupils can be awarded W (working towards level 1), level 1, 2, 3, 4, 5 or 6. A small number of pupils may also have A (pupil was absent

for a large part of the year) or D (Disapplied from the national curriculum). There are also a small number of pupils who have a TA of F (will take that subject in the future) or P (took that subject in the past). However, if the pupils have been entered for the test in the current year then they should not have a TA of F or P for that subject so any such values that do occur are treated in the same way as a missing TA.

18. The previous Performance Tables methodology used only the KS2 test results. This meant that a significant number of pupils had to be excluded as they had a non-numerical level at KS2. The methodology for 2011 uses the KS2 test result if that is level 3, 4 or 5 but uses the teacher assessment in all other cases. The KS2 level used for the progress measures is illustrated in the following table.

		KS2 Test Result		
		B, N or 2	A, M, Q, S, T, X or blank	3, 4 or 5
KS2 Teacher Assessment	W	0	0	Use test result
	1, 2	Use TA	Use TA	Use test result
	3, 4 or 5	Level 2	Use TA	Use test result
	6	Level 2	Level 5	Use test result
	A, D, F or P	Use TA	Use TA	Use test result
	Missing or blank	Use TA	Use TA	Use test result

Combining KS1 and KS2 attainment

19. Once the KS1 and KS2 attainment has been calculated, the number of levels of progress made is calculated using the formula: KS2 level – KS1 level.
20. As level 5 is the highest National Curriculum level that can be awarded in mandatory KS2 tests, all pupils attaining level 5 at KS2 (including those who got level 4 at KS1 or had no KS1 results) will be treated as having made two levels of progress. Similarly, all pupils with W or level 1 at the end of KS2 (including those with no KS1 results) will be treated as not having made two levels of progress.
21. Any pupils who have a non-numerical KS2 result after combining the test and TA using the above method are treated as not having made expected progress.
22. The following table shows how levels at KS1 are mapped to those at KS2 to determine whether a pupil can be included in the progress measure and, if included in the measure, whether or not they have made at least two levels of progress. Where a pupil is shown as “not included”, this means that we don’t include them in the calculation of the measure because there is insufficient evidence to calculate the amount of progress they made.

		KS2 level (combined test and TA)						
		Any non-numeric level	0	1	2	3	4	5
KS1 level	A, D or no KS1 level	Expected progress not made	Expected progress not made	Expected progress not made	Not included	Not included	Not included	Expected progress made
	0	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress made	Expected progress made	Expected progress made	Expected progress made
	1	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress made	Expected progress made	Expected progress made
	2	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress made	Expected progress made
	3	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress made
	4	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress not made	Expected progress made