

Appendix D

Calculating a pupil's Progress 8 score

A pupil's Progress 8 score is defined as their Attainment 8 score, minus their estimated Attainment 8 score. The estimated Attainment 8 score is the average Attainment 8 score of all pupils nationally with the same prior attainment at KS2.

For 2016, a pupil's prior attainment is defined as the average of their KS2 English and mathematics results.

Calculating Attainment 8

The example below sets out how the Attainment 8 score would be calculated for a particular pupil (English and Mathematics are 'double counted' meaning each score is counted twice and 10 scores are used to calculate Attainment 8).

Attainment 8 score = (English score + English score) + (Maths score + Maths score) + Science score + Art score + French core + Spanish score + Religious studies score + History score

For example

$$= (7 + 7) + (8 + 8) + 6 + 7 + 7 + 6 + 5 + 6$$

$$= \mathbf{67}$$

Dividing the Attainment 8 score by 10 gives a pupil's average grade. In this case it is 6.7, between GCSE grades A and B.

GCSE grade	2016 Points
G	1.00
F	2.00
E	3.00
D	4.00
C	5.00
B	6.00
A	7.00
A*	8.00

A whole grade = 1

Leicestershire's Progress 8 score is calculated in the following way:

$$\begin{aligned} \text{Estimated Attainment 8 score} &= 50.5 \\ \text{Actual Attainment 8 score} &= 49.4 \\ \text{Difference} &= -1.1 \text{ (one whole grade)} \end{aligned}$$

$$\text{Divided by 10 subjects} = \mathbf{-0.11}$$

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