11+ Standardisation Report – October 2019

Each pupil's raw scores were standardised (μ=100, σ=15). The values used, in 2019, are presented in the table below.

n=5465

2019 *(2020 entry)*	Mean (μ)	Standard Deviation (σ)
English	27.26551	8.152528
Maths	28.12113	12.58851

As in previous years a statistical test was used to assess whether age adjustment was necessary to take account of any apparent bias against younger candidates.

This year, the *t*-test was statistically significant for both English and Maths and the corresponding age adjustment factors were calculated.

2019 *(2020 entry)*	Age adjustment
English	0.0134943
Maths	0.0059528

In each case the calculation proceeds as follows:

Standardised score = (((raw score - μ) $\div$ σ) $\times$ 15) + 100

Total score = 1·5 $\times$

[(standardised Mathematics + “days younger” $\times$ Maths age adjustment) +
(standardised English + “days younger” $\times$ English age adjustment)]

where “days younger” is calculated as d-o-b *minus* 01/09/2008.

Thus a candidate, born on 01/09/2008, with average marks on each paper will obtain a total of 300, comprising the results in the two papers weighted 1:1.