



Training Data Analysis

In March 2015, Northumbria University carried out a piece of research which confirmed that the average reading age gain, across all abilities, after 6 hours of Sound Training was 27th months.

All data scrutinised was collected during the Spring, Summer and Autumn Terms 2014. Data from four cohorts of pupils undertaking the Sound Training programme in a range of schools during that period were analysed to look for trends and patterns according to their year group and chronological age at the time they took test.

Reading ages (WRAT test) at the beginning and end of the training were used to identify progress in months.

The average gain across all cohorts, as measured by reading age, was 27 months. However there were variations within and across cohorts.

Table 1 Average progress in months according to reading age at the start of Sound Training

Reading age in years/months at start of programme	Cohort A DOB 1.9.98- 31.8.99	Cohort B DOB 1.9.99- 31.8.2000	Cohort C DOB 1.9.2000- 31.8.01	Cohort D DOB 1.9.01- 31.8.02
9 years or less		25	7	9
9.01-10.00	31	29	15	17
10.01-11.00	37	63	17	26
11.01-12.00	38	38	27	36
12.01-13.00	47	48	33	39
13.01-14.00	40	38	35	33
14.01-15.00	31	30	34	30
15.01-16.00	26	17	21	22
16.01+		11	10	10
Average gains	32	29	21	26
Total number of pupils	207	679	588	661
Chronological age range at start of programme	14.04-16.01	13.04-15.01	12.04-14.01	11.04-13.01

Please note- significant variation in group sizes across each reading age range.

	Pupils whose reading age was broadly in line with or above their chronological age at the start of the programme
	Pupils whose reading age was broadly between 6 months and 2 years below their chronological age at the start of the programme
	Pupils whose reading age was between 2 and 4 years below their chronological age at the start of the programme
	Pupils whose reading age was more than 3 years below that of their chronological age at the start of the programme

Data would suggest that pupils in Year 9 and 10 with a reading age of between 10 and 12 would benefit most

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significantly from the programme, as it has the potential to bring these pupils' reading ages in line or above their chronological age.