

In School B, the 14 students aged 9 to 12, who showed reading delay of more than 2 grade levels were selected by classroom teachers and were certified by a medical doctor to be separated into resource rooms.

No.	Name	Sex	Age	Chronological Level	Test Level	Difference	Fluency (Percentage)		Difference (Percentage)
							T1 (PRE) 18 <sup>th</sup> AUG, 2020	T3 (POST) 19 <sup>th</sup> MAR, 2021	
1	J***	M	9	GRADE 4	GRADE 2	2	31.25	25.00	-6.25
2	W***	F	10	GRADE 4	GRADE 2	2	25.00	25.00	0
3	M***	M	11	GRADE 4	GRADE 2	2	25.00	25.00	0
4	P***	M	9	GRADE 4	GRADE 2	2	25.00	25.00	0
5	Nt***	M	10	GRADE 5	GRADE 3	2	25.00	87.50	+62.50
6	T***	M	11	GRADE 5	GRADE 4	1	68.75	68.75	0
7	G***	F	11	GRADE 5	GRADE 3	2	75.00	93.75	+18.75
8	E***	M	11	GRADE 5	GRADE 5	0	75.00	93.75	+18.75
9	C***	M	11	GRADE 5	GRADE 5	0	43.75	81.25	+37.50
10	Nr***	M	11	GRADE 5	GRADE 4	1	56.25	68.75	+12.50
11	D***	M	12	GRADE 6	GRADE 4	2	25.00	81.25	+56.25
12	Nl***	M	12	GRADE 6	GRADE 4	2	75.00	81.25	+6.25
13	Tl***	M	11	GRADE 6	GRADE 4	2	62.50	81.25	+18.75
14	Td***	M	11	GRADE 6	GRADE 4	2	56.25	81.25	+25.00
						<b>Average</b>	47.77	65.63	+17.86

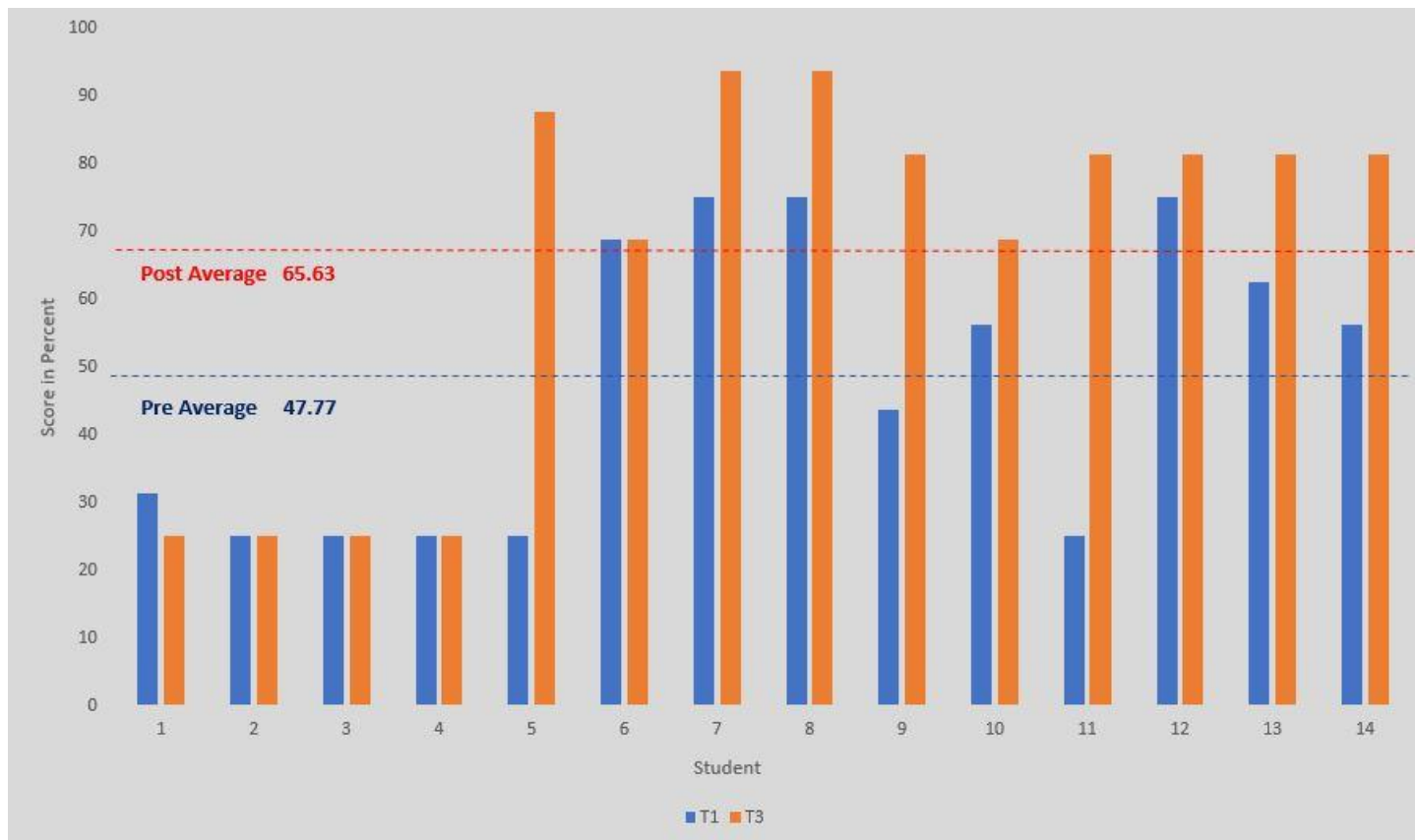
Table A – Reading fluency scores at T1 (Pre) and T3 (Post) with comparisons

In Thailand, the national standardized assessment for fluency is set out and implemented

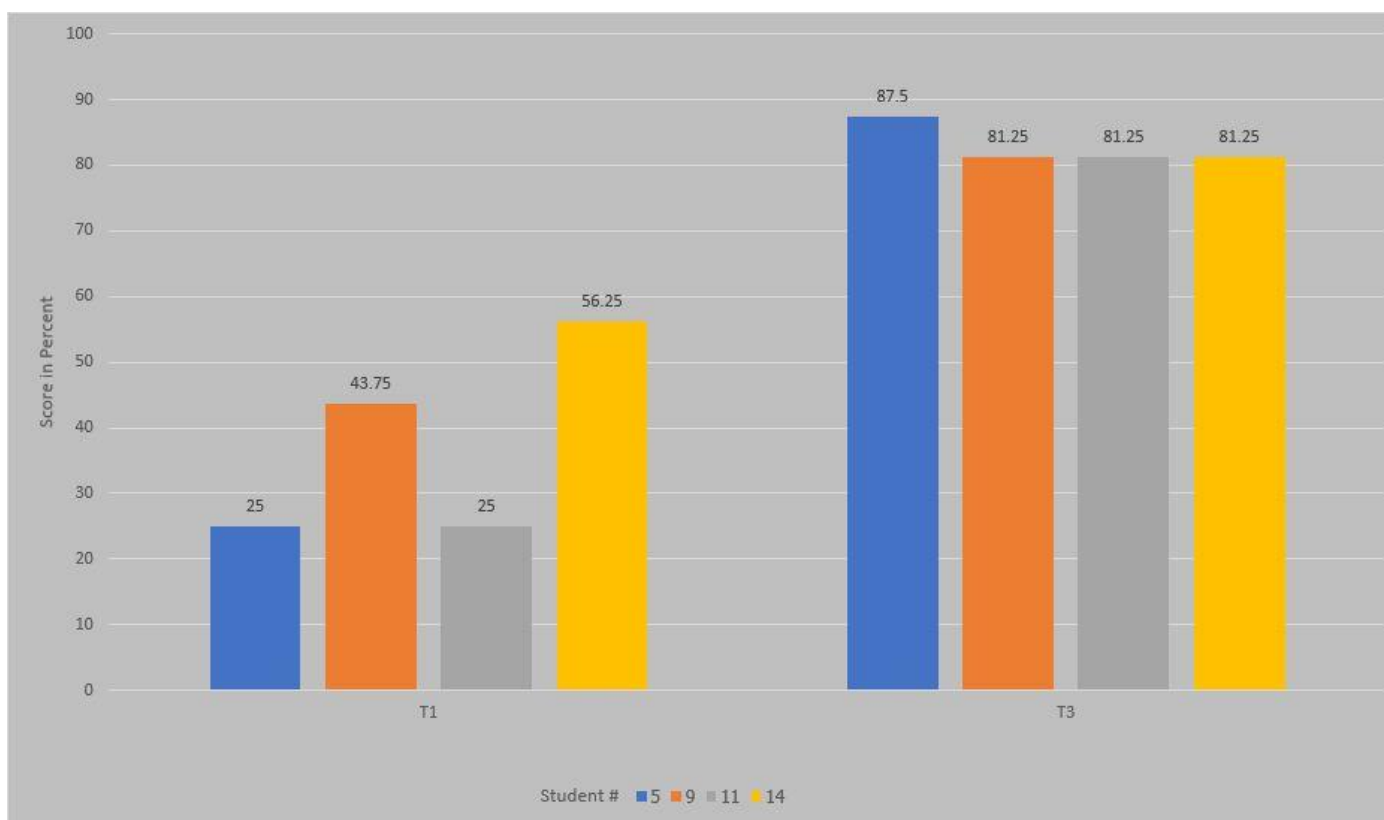
(1) Curriculum base grade level passages are used to measure the speed and accuracy.

(2) If a student shows perfect fluency in reading the passage for 5 minutes, by scoring 16/16 in raw score, the result is posted as 100%.

(3) The percentile numbers shown tracks progress of each child and the number does not place the child against the whole student population.



Bar graph B - Reading fluency scores at T1 (Pre) and T3 (Post) and averages



*Bar graph C – Reading fluency scores of 4 students demonstrated more than 25% improvement*

(4) Four students demonstrated more than 25 % improvement after Neurofeedback intervention of 20 sessions over 7 months.

(5) This level of improvement had not been demonstrated in clinical trials published in peer review journals. A larger population study with comparison group need to be conducted before scaling up the study.