

Postgate School – Analysis of Variance 2019

Maths

2019 Annual Achievement Targets:

1. Our 2017 After 1 Year at school data shows that 62% (26/42) of students are At or Above the National Standard for Mathematics. At the End of Year 2 2018 (change of reporting frame) 63% of our Year 2s were At or Above the Postgate Expectation. Our target is to have 75% of our Year 3 students At or Above the Postgate Expectation by the end of 2019
2. Our Year 4 2018 (Year 5 2019) have 69% of pupils At or Above the National Standard. Our target is to have 80% of our Year 5 pupils At or Above the Postgate Expectation by the end of 2019.

Baseline Data:

1. 2017 Mathematics data shows that 73% (231/316) of pupils were At/Above National Standards for Mathematics. In 2018 this percentage increased to 78%; the best return we have had for a large number of years. There is a clear split between our Years 1-3 and our Years 4-8. 76% of our Years 1-3 are achieving At or Above Postgate Expectation, compared with 80% Of Year 4-8s achieving At or Above Postgate Expectation

Year	At/Above - 2019	At/Above- 2018	At/Above 2017	Difference	Target	Difference
3	69%	64% or 21/33	62.% or 26/42	+5%	75%	-6%

Target: Not met. There has been a steady increase across the years of this cohort group.

Year	At/Above	At/Above- 2018	At/Above 2017	Difference	Target	Difference
5	88%	78%	73%	+2%	80%	+11%

Target: Met. A massive increase of the years. SPRING has helped as well as teachers inquiring into their practice

Reading

2019 Annual Achievement Targets:

1. At the end of 2017, 44% of our Year 1 pupils were At or Above National Standards. Even with a reporting change, this number lifted to 57% at the end of Year 2 in 2018. Our target is to have 80% of our Year 3 pupils At or Above the Postgate Expectation by the end of 2019.
2. Currently 49% of our 2018 Year 1 pupils were reading At or Above the Postgate Expectation. Our target is to have 75% of our 2019 Year 2 pupils At or Above the Postgate Expectation by the end of the year

Baseline Data:

- Our Reading data has always been strong. At the end of 2018 76% of students were achieving At or Above the Postgate Expectation. In 2017, 80% (246/305) of our pupils were achieving At or Above in with 75% (234/310) in 2017. Our data has

been dragged down by our After 1 Year at School cohort. Early testing informed us that this cohort was of concern and we made early changes to staffing to accommodate.

- The split between our Year 1-3 data and our Year 4-8 data is diverse. 62% of our Years 1-3 were achieving At or Above the Postgate Expectation compared with 87% of Years 4-8.
- 86% of our female students are achieving At or Above compared with 73% of our male pupils. In 2017 this was, 80% of our female students are achieving At or Above compared with 70% of our male pupils.

Year	At/Above - 2019	At/Above- 2018	At/Above 2017	Difference	Target	Difference
3	73%	57%	44%	+16%	80%	-7%

Target: Not met. An increase of 17% of pupils, bit short of our target of 80%

Year	At/Above- 2019	At/Above 2018	Difference	Target	Difference
2	73%	49%	+24%	75%	-2%

Target: Not met, So close! Another great climb for our young pupils

Writing

2019 Annual Achievement Targets:

1. In 2018, 56% of our Years 1-3 (Year 1- 60%, Year 2- 47%, 56%) were achieving At or Above the Postgate Expectation. Our target is to lift our Year2/3 cohort to 70% At or Above this overall total to 75%
2. To have 75% of our Year 4 pupils At or Above the Postgate Expectation. Currently 56% (Year 3 2018) are At/Above National Standards. Extensive work, through TAI were put into a group of male Year 3 writers in the second half of 2018. This created movement in the Below band, Year 4 teachers are following on from this work in 2018.
3. To have 75% of our male pupils achieving At or Above the National Standard for Writing by the end of 2019. Currently 63% of our male pupils are At or Above, compared with 61% in 2017

Baseline Data:

1. Our Writing data has dropped from 70% to 67%. This was through teachers having a greater focus on their Numeracy Inquiry, the focus on phonics in Years 1-3 and lack of leadership in the Literacy Curriculum. The difference between our Year 1-3 data (56% At or Above) and our Year 4-8 data (76% At or Above) is very different. A focus for the start of our 2019 inquiries.

Year	At/Above- 2019	At/Above 2018	Difference	Target	Difference
2	60%	60%	Same	70%	+11%
3	56%	47%	+9%	70%	

Target: Not met

Year	At/Above- 2019	At/Above 2018	Difference	Target	Difference
4	72%	56%	+16%	75%	-3%

Target: Not met

Year	At/Above- 2019	At/Above 2018	Difference	Target	Difference
All males	58%	63%	-5%	75%	-18%
Year1-3	42%				
Year 4-6	61%				
Year 7-8	82%				

End of 2019 School Data
-Postgate School Expectations

This is the second year where a change to our reporting process for Years 1-3. Under National Standards, we reported 'After' the child's first, second and third year of schooling. In 2018 and 2019, under Postgate Expectations, we changed this to 'At the End of their First, Second and Third Year of Schooling'.

This will create an achievement gap for the first couple of years as some children may get 'short' changed from the previous year's schooling, however, over time this should start to balance itself out.

Whole School

Type	Subject	Well Below	Below	At	Above
2019 End Year Postgate Expectations	Reading	3%	22%	56%	19%
	Writing	3%	28%	64%	6%

	Mathematics	4%	17%	66%	13%
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Whole School Gender

Type	Subject	Gender	Well Below	Below	At	Above
2019 End Year Postgate Expectations	Reading	Female	4%	18%	54%	25%
		Male	3%	26%	58%	13%
	Writing	Female	3%	16%	69%	11%
		Male	2%	40%	58%	
	Mathematics	Female	6%	12%	70%	11%
		Male	2%	21%	62%	14%

Years 1-3 – End of Year – 2019

Type	Subject	Well Below	Below	At	Above
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2019 End Year Postgate Expectations	Reading	3% (4)	39% (45)	42% (50)	15% (17)
	Writing	2% (2)	44% (51)	53% (61)	2% (2)
	Mathematics	5% (6)	25% (28)	64% (75)	7% (7)

Years 1-3 Gender

Type	Subject	Gender	Well Below	Below	At	Above
2019 End Year Postgate Expectations	Reading	Female	4%	35%	46%	15%
		Male	3%	42%	39%	15%
	Writing	Female	4%	27%	65%	4%
		Male	2%	58%	42%	
	Mathematics	Female	10%	13%	73%	4%
		Male	2%	33%	56%	9%

Years 4-8 – End of Year - 2019

Type	Subject	Well Below	Below	At	Above
2019 End Year Postgate Expectations	Reading	3% (7)	12% (22)	63% (114)	21% (32)
	Writing	3% (7)	19% (37)	70% (125)	8% (6)
	Mathematics	4% (8)	12% (23)	68% (117)	16% (27)

Years 4-8 Gender

Type	Subject	Gender	Well Below	Below	At	Above
2019 End Year Postgate Expectations	Reading	Female	4%	11%	57%	29%
		Male	3%	14%	70%	12%
	Writing	Female	3%	11%	71%	15%
		Male	4%	28%	68%	

	Mathematics	Female	4%	11%	69%	15%
		Male	2%	13%	66%	17%

Years 7/8 - End of Year - 2019

Type	Subject	Well Below	Below	At	Above
2019 End Year Postgate Expectations	Reading	4%	11%	54%	31%
	Writing	4%	11%	70%	15%
	Mathematics	4%	10%	69%	17%

Years 7-8 Gender

Type	Subject	Gender	Well Below	Below	At	Above
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2019 End Year Postgate Expectations	Reading	Female	4%	9%	47%	40%
		Male	3%	15%	65%	18%
	Writing	Female	4%	9%	62%	26%
		Male	3%	15%	82%	
	Mathematics	Female	4%	11%	70%	15%
		Male	3%	9%	68%	21%

Ethnic Summary - Full school

Ethnic Summary	Subject	Well Below	Below	At	Above
Reading	Asian	5%	32%	54%	8%
	Maori	4%	18%	58%	20%
	MELAA			100%	

	NZE/Pakeha	2%	17%	54%	27%
	Other			50%	50%
	Pacific Peoples	2%	25%	54%	19%

Ethnic Summary	Subject	Well Below	Below	At	Above
Writing	Asian	3%	41%	54%	3%
	Maori	3%	29%	59%	9%
	MELAA			100%	
	NZE/Pakeha	5%	29%	66%	27%
	Other		25%	50%	25%
	Pacific Peoples	2%	23%	70%	5%

Ethnic Summary	Subject	Well Below	Below	At	Above
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Mathematics	Asian	8%	16%	62%	14%
	Maori	3%	19%	63%	15%
	MELAA			100%	
	NZE/Pakeha	5%	15%	59%	22%
	Other		25%	75%	
	Pacific Peoples	4%	16%	72%	9%

Years 1-3 - Ethnic Summary

Ethnic Summary	Subject	Well Below	Below	At	Above
Reading	Asian		43%	50%	7%
	Maori	6%	34%	43%	17%
	MELAA			100%	

	NZE/Pakeha		31%	38%	31%
	Other			50%	50%
	Pacific Peoples	4%	46%	40%	10%

Ethnic Summary	Subject	Well Below	Below	At	Above
Writing	Asian		43%	57%	
	Maori	3%	51%	46%	
	MELAA			100%	
	NZE/Pakeha		44%	56%	
	Other		50%	50%	
	Pacific Peoples	5%	40%	54%	4%

Ethnic Summary	Subject	Well Below	Below	At	Above
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Mathematics	Asian		36%	57%	7%
	Maori	6%	26%	57%	11%
	MELAA			100%	
	NZE/Pakeha		25%	62%	12%
	Other		50%	50%	
	Pacific Peoples	8%	20%	70%	2%

Years 4-8 - Ethnic Summary

Ethnic Summary	Subject	Well Below	Below	At	Above
Reading	Asian	9%	26%	57%	9%
	Maori	4%	11%	65%	21%
	MELAA			100%	

	NZE/Pakeha	4%	8%	64%	24%
	Other			50%	50%
	Pacific Peoples	1%	11%	63%	24%

Ethnic Summary	Subject	Well Below	Below	At	Above
Writing	Asian	4%	39%	52%	4%
	Maori	4%	20%	65%	12%
	MELAA			100%	
	NZE/Pakeha	8%	20%	72%	
	Other			50%	50%
	Pacific Peoples	1%	13%	80%	6%

Ethnic Summary	Subject	Well Below	Below	At	Above
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Mathematics	Asian	13%	4%	65%	17%
	Maori	2%	16%	66%	16%
	MELAA			100%	
	NZE/Pakeha	8%	8%	56%	28%
	Other			100%	
	Pacific Peoples	1%	13%	73%	13%

Years 7/8 - Ethnic Summary

Ethnic Summary	Subject	Well Below	Below	At	Above
Reading	Asian	8%	17%	67%	8%
	Maori	4%	14%	46%	36%
	MELAA			100%	

	NZE/Pakeha			67%	33%
	Other			100%	
	Pacific Peoples	3%	10%	50%	37%

Ethnic Summary	Subject	Well Below	Below	At	Above
Writing	Asian	8%	25%	67%	
	Maori	4%	18%	50%	29%
	MELAA			100%	
	NZE/Pakeha		11%	89%	
	Other			100%	
	Pacific Peoples	3%		83%	13%

Ethnic Summary	Subject	Well Below	Below	At	Above
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Mathematics	Asian	8%	8%	57%	7%
	Maori	4%	11%	57%	11%
	MELAA			100%	
	NZE/Pakeha		25%	62%	12%
	Other		50%	50%	
	Pacific Peoples	8%	20%	70%	2%

Key findings:

The major concern from our 2019 data is the standard of boys writing and, as it has been over the past, the low standard of achievement in Years 1-3; there is a notable increase in achievement as the children move throughout our school

Whole school (Count)

- Reading- Females 14% (23) vs Male 27% (41)
- Writing- Females 21% (34) vs male 37% (56)
- There were 159 Females and 151 males at Postgate School during 2019

Reading – Well Below / Below

- Year 1 69%
- Year 2 27% vs 51% 2018 as Year 1s
- Year 3 28% vs 28% 2018 as Year 2s

Writing

- Year 1 52%
- Year 2 40% vs 40% 2018
- Year 3 45% vs 53% 2018

Mathematics

- Year 2 37% (10)
- Year 3 28% (9)
- Year 4 31% (11)

Comparing 2019 End OTJ with End OTJ 2018

Reading

	<u>End 2019</u>	<u>End 2018</u>	<u>Difference between End 2018 and End 2019</u>
<u>Well Below</u>	3%	3%	Same
<u>Below</u>	22%	22%	Same
<u>At</u>	56%	60%	-4%
<u>Above</u>	19%	16%	+3%

Writing

	<u>End 2019</u>	<u>End 2018</u>	<u>Difference between End 2018 and End 2019</u>
<u>Well Below</u>	3%	3%	Same
<u>Below</u>	28%	29%	-1%
<u>At</u>	64%	67%	-3%
<u>Above</u>	6%	2%	+4%

Mathematics

	<u>End 2019</u>	<u>End 2018</u>	<u>Difference between End 2018 and End 2019</u>
<u>Well Below</u>	4%	2%	+2%

<u>Below</u>	17%	18%	-1%
<u>At</u>	66%	72%	-6%
<u>Above</u>	13%	8%	+5%