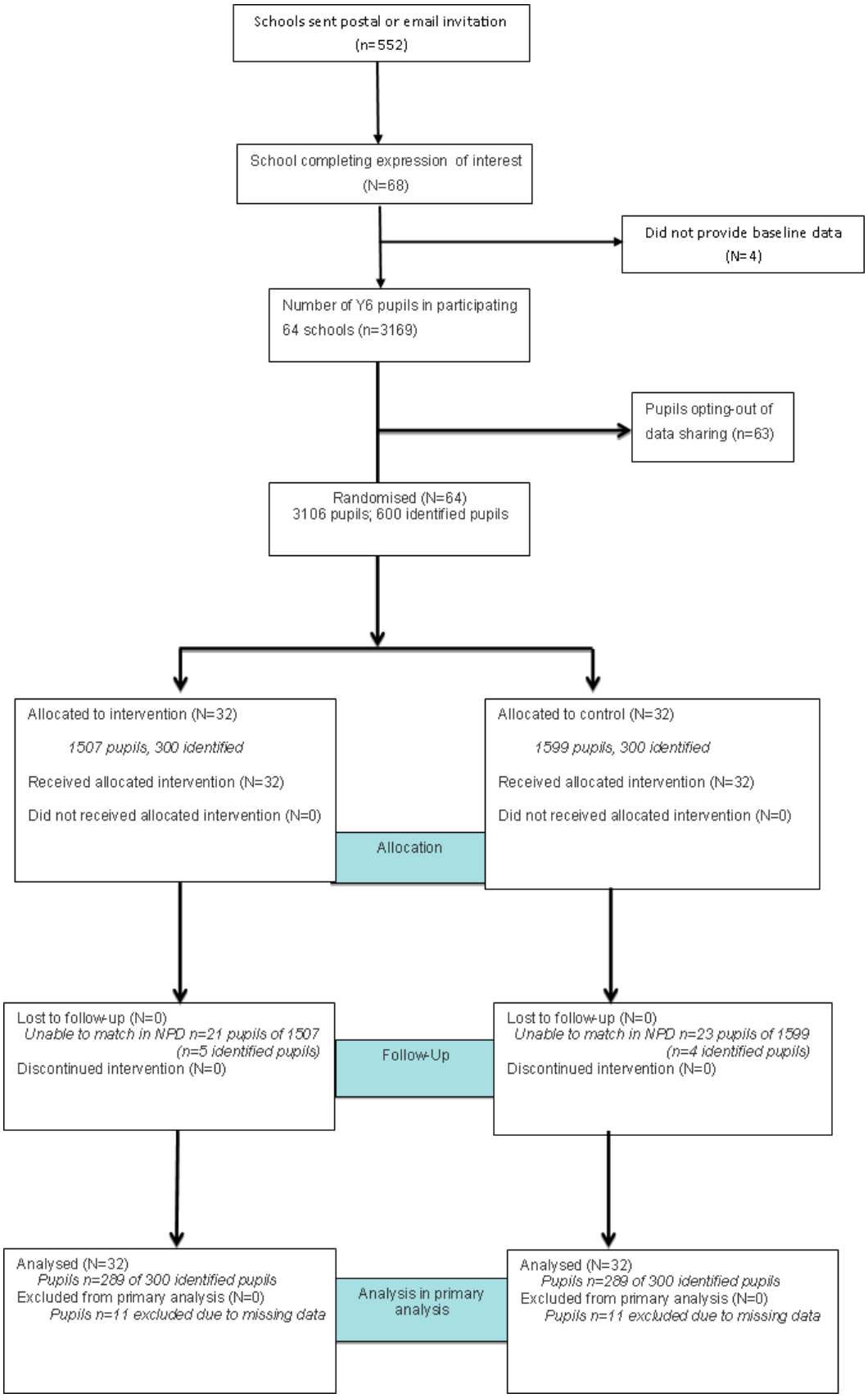
Participant Flow



Baseline Characteristics

Summary of school characteristics

	Control N=32	Intervention N=32	Overall N=64
Percentage of pupils achieving L4 or above at KS2 in 2012/13			
Mean (SD) Med (min, max)	85.8 (8.88) 87.0 (68.4, 100)	84.2 (13.17) 86.0 (41, 100)	85.0 (11.17) 86.5 (41, 100)
Number of pupils on roll in 2013/14			
Mean (SD) Med (min, max)	354 (133.56) 347 (143, 700)	344 (128.74) 279 (183, 611)	349 (130.22) 339 (143, 700)
Percentage of pupils eligible for FSM in 2013/14			
Mean (SD) Med (min, max)	29.3 (17.41) 28.5 (5.2, 70)	29.1 (14.86) 26 (4.3, 67)	29.2 (16.06) 27 (4.3, 70)
Percentage of pupils from minority ethnic groups in 2013/14			
Mean (SD) Med (min, max)	40.4 (36.36) 24.2 (0, 100)	46.0 (35.90) 32.5 (2, 100)	43.2 (35.96) 31.5 (0, 100)
Percentage of pupils supported by school action plus in 2013/14			
Mean (SD) Med (min, max)	10.1 (6.59) 9.4 (0, 30)	8.8 (6.17) 8 (0, 27)	9.4 (6.36) 8 (0, 30)

N.B: SD = Standard deviation, Med = median, min = minimum, max = maximum

Summary of identified pupil characteristics

	As randomised		As analysed in primary analysis	
	Control n=300	Intervention n=300	Control n=289	Intervention n=289
Mean age (SD)	10.4 (0.29)	10.4 (0.28)	10.4 (0.29)	10.4 (0.28)
Male, n(%)	142 (47.3)	150 (50.0)	135 (46.7)	146 (50.5)
Current FSM, n(%) Missing, n(%)	101 (33.7) 7 (2.3)	87 (29.0) 5 (1.7)	100 (34.6) N/A	84 (29.1) N/A
Pupil premium, n(%) Missing, n(%)	144 (48.0) 0 (0.0)	128 (46.7) 4 (1.3)	139 (48.1) N/A	123 (42.6) N/A
Predicted KS2 maths level for end of Y6 Level 3, n(%) Level 4, n(%) Level 5, n(%)	 64 (21.3) 235 (78.3) 1 (0.3)	 65 (21.7) 235 (78.3) 0 (0.0)	 58 (20.1) 230 (79.6) 1 (0.4)	 65 (22.5) 224 (77.5) 0 (0.0)

Summary of non-identified and reserve pupil characteristics

	As randomised	
	Control n=1299	**Intervention n=1207**
Mean age (SD)	10.5 (0.29)	10.5 (0.29)
Missing, n(%)	1 (0.08)	0 (0.0)
Male, n(%)	650 (50.0)	640 (53.0)
Missing, n(%)	1 (0.08)	0 (0.0)
Current FSM, n(%)	318 (24.5)	287 (23.8)
Missing, n(%)	7 (0.5)	19 (1.6)
Pupil premium, n(%)	456 (35.1)	430 (35.6)
Missing, n(%)	2 (0.2)	10 (0.8)
Predicted KS2 maths level for end of Y6		
Level 1, n(%)	0 (0.0)	7 (0.6)
Level 2, n(%)	10 (0.8)	22 (1.8)
Level 3, n(%)	76 (5.9)	64 (5.3)
Level 4, n(%)	586 (45.1)	481 (39.9)
Level 5, n(%)	598 (46.0)	535 (44.3)
Level 6, n(%)	27 (2.1)	83 (6.9)
Missing, n(%)	2 (0.2)	15 (1.2)

Teacher characteristics

	Control n= 82	**Intervention n= 71**	**Overall n=153**
Teacher age			
20-29 years, n(%)	22 (26.8)	20 (28.2)	42 (27.5)
30-39 years, n(%)	29 (35.4)	26 (36.6)	55 (36.0)
40-49 years, n(%)	16 (19.5)	13 (18.3)	29 (19.0)
50-59 years, n(%)	13 (15.9)	11 (15.5)	24 (15.7)
60-69 years, n(%)	1 (1.2)	1 (1.4)	2 (1.3)
70+ years, n(%)	0 (0.0)	0 (0.0)	0 (0.0)
Missing, n(%)	1 (1.2)	0 (0.0)	1 (0.7)
Male, n(%)	16 (19.5)	18 (25.4)	34 (22.2)
Missing, n(%)	1 (1.2)	0 (0.0)	1 (0.7)
Mean number of years teaching including NQT year, mean(SD)	11.8 (8.6)	11.3 (8.4)	11.6 (8.5)
Missing, n(%)	3 (3.7)	3 (4.2)	6 (3.9)
Teacher a maths specialist, n(%)	11 (13.4)	8 (11.3)	19 (12.4)
Missing, n(%)	4 (4.9)	0 (0.0)	4 (2.6)
Highest level of qualification			
First degree, n(%)	39 (47.6)	49 (69.0)	88 (57.5)
PGCE, n(%)	27 (32.9)	11 (15.5)	38 (24.8)
Other postgraduate degree, n(%)	5 (6.1)	10 (14.1)	15 (9.8)
Other, n(%)	2 (2.4)	1 (1.4)	3 (2.0)
Missing, n(%)	9 (11.0)	0 (0.0)	9 (5.9)

Outcome Measures

	Score difference* (95% CI)	Effect size
KS2 Maths – identified pupils (*primary analysis*)	0.005 (-0.97, 0.98)	0.002 (-0.31, 0.32)
Repetition of primary analysis adjusting for pre-score and minimisation factors	-0.06 (-1.03, 0.92)	-0.02 (-0.33, 0.30)
KS2 Maths – non-identified and reserve pupils	-0.50 (1.29, 0.30)	-0.13 (-0.37, 0.10)
KS2 English reading – identified pupils	0.05 (-0.99, 1.09)	0.01 (-0.25, 0.28)
KS2 English – non-identified and reserve pupils	-0.11 (-0.65, 0.44)	-0.03 (-0.23, 0.16)

* Intervention-Control

Adverse Events

There were no adverse events associated with this trial.