

Table 1: Main variables of interest by Double or Triple Science

	Double %	Triple %	(n)	N
Men	47.80	52.18	2,217	
Women	53.14	46.90	3,581	
Non-Binary and other genders	48.20	51.80	112	
Unknown	58.00	42.00	143	6,053
White	51.29	48.71	4,685	
Black	53.54	46.46	226	
Asian	49.75	50.25	601	
Other	49.57	50.43	464	
Unknown	61.04	38.96	77	6,053
Index of Multiple Deprivation Q1	55.67	44.33	1,410	
Index of Multiple Deprivation Q2	51.96	48.04	1,276	
Index of Multiple Deprivation Q3	48.61	51.39	1,191	
Index of Multiple Deprivation Q4	49.87	50.13	1,125	
Index of Multiple Deprivation Q5	48.72	51.28	1,051	6,053
Neither parent with degree	55.56	44.44	4,014	
At least one parent with degree	42.67	57.33	2,039	6,053
Neither parent with high status job	54.53	45.47	3,332	
At least one parent with high status job	47.15	52.85	2,721	6,053
A*-B Science GCSE	43.03	56.97	4,055	
C or below Science GCSE	67.82	32.18	1,998	6,053
A*-B Maths GCSE	39.86	60.14	3,605	
C or below Maths GCSE	67.93	32.07	2,448	6,053
State School	53.61	46.39	4,773	
Selective School	34.28	65.72	566	
Private School	37.47	62.53	395	6,053
Did not study for any A Levels	62.42	37.58	2,448	
Studied for A Levels	43.61	56.39	3,605	6,053
No Sciences at A Level	55.90	44.10	2,329	
At Least One Science A Level	21.16	78.84	1,276	3,605
Fewer than Two Sciences at A Level	49.14	50.86	2,965	
At Least Two Sciences at A Level	17.97	82.03	640	3,605
Not One Science & Maths A Level	50.54	49.46	2,865	
At Least One Science & Maths A Level	16.76	83.24	740	3,605
Did not attend university	57.84	42.16	3,062	
Attended University	44.43	55.57	2,991	6,053
Did not Study Science Degree	49.64	50.36	2,466	
Studied Science Degree	20.00	80.00	525	2,991
Science at non-Russell Group university	23.84	76.16	323	
Science at Russell Group University	13.86	86.14	202	525
Total	51.21	48.79	-	6,053

Table 1: Logistic Regression Predicting A Level Science Participation, Average Marginal Effects

	Model 1		Model 2		Model 3	
	At Least One Science A Level		At Least Two Science A Levels		At Least One Science & Maths A Level	
	AME	SE	AME	SE	AME	SE
Ref: Double Science						
Triple Science	0.24***	(0.02)	0.14***	(0.01)	0.16***	(0.01)
Ref: Men						
Women	-0.05**	(0.02)	0.01	(0.01)	-0.09***	(0.01)
Non-Binary and other genders	-0.15**	(0.05)	-0.05	(0.04)	-0.13**	(0.04)
Unknown	-0.01	(0.07)	0.00	(0.06)	0.02	(0.06)
Ref: White						
Black	0.08*	(0.04)	0.13***	(0.04)	0.09*	(0.03)
Asian	0.11***	(0.02)	0.14***	(0.02)	0.13***	(0.02)
Other	0.07**	(0.03)	0.06**	(0.02)	0.09***	(0.02)
Unknown	-0.02	(0.07)	-0.02	(0.05)	-0.03	(0.05)
Index of Multiple Deprivation	-0.01*	(0.01)	-0.01+	(0.00)	-0.00	(0.00)
Ref: Neither parent with degree						
At least one parent with degree	0.07***	(0.02)	0.05***	(0.01)	0.07***	(0.01)
Ref: Neither parent with high status job						
At least one parent with high status job	-0.02	(0.02)	-0.02	(0.01)	-0.02	(0.01)
Ref: A*-B Science GCSE						
C or below Science GCSE	-0.19***	(0.02)	-0.10***	(0.02)	-0.11***	(0.02)
Ref: A*-B Maths GCSE						
C or below Maths GCSE	-0.23***	(0.02)	-0.14***	(0.01)	-0.17***	(0.01)
Ref: State School						
Selective School	-0.02	(0.02)	-0.02	(0.02)	0.00	(0.02)
Private School	0.02	(0.02)	0.01	(0.02)	0.01	(0.02)
Other Type of School	-0.07	(0.05)	0.01	(0.04)	-0.10**	(0.04)
Observations	3,605		3,605		3,605	
Log Likelihood	-1448.2424		-1610.9169		-1500.8102	
Pseudo R-squared	0.1409		0.2114		0.1799	

*** p<0.001, ** p<0.01, * p<0.05, + p<0.10

Table 2: Logistic Regression Predicting Degree Science Participation, Average Marginal Effects

	Model 1		Model 2	
	Studied Science Degree		Studied Science Degree At Russell Group Uni	
	AME	SE	AME	SE
Ref: Double Science				
Triple Science	0.14***	(0.01)	0.06	(0.05)
Ref: Man				
Woman	-0.04*	(0.01)	-0.02	(0.04)
Non-Binary and other genders	-0.10*	(0.04)	0.06	(0.19)
Unknown	-0.05	(0.06)	0.23	(0.22)
Ref: White				
Black	0.09**	(0.04)	0.11	(0.08)
Asian	0.10***	(0.02)	0.04	(0.05)
Other	0.11***	(0.03)	0.12*	(0.06)
Unknown	-0.00	(0.06)	0.01	(0.20)
Index of Multiple Deprivation	-0.02**	(0.01)	0.04*	(0.02)
Ref: Neither parent with degree				
At least one parent with degree	0.05**	(0.02)	0.07	(0.05)
Ref: Neither parent with high status job				
At least one parent with high status job	-0.03+	(0.02)	0.00	(0.05)
Ref: A*-B Science GCSE				
C or below Science GCSE	-0.09***	(0.02)	-0.22*	(0.10)
Ref: A*-B Maths GCSE				
C or below Maths GCSE	-0.10***	(0.02)	-0.25***	(0.07)
Ref: State School				
Selective School	-0.02	(0.02)	0.21**	(0.07)
Private School	-0.01	(0.02)	0.25***	(0.07)
Other Type of School	0.00	(0.05)	-0.14	(0.12)
Observations	2,991		525	
Log Likelihood	-1228.6514		-313.0627	
Pseudo R-squared	0.1157		0.1051	

Standard errors in parentheses. Average Marginal Effects computed from Logistic Regression Analyses.
 *** p<0.001, ** p<0.01, * p<0.05, + p<0.10

Appendix 1: Supplementary Analyses

Table S1 Logistic Regressions Predicting Degree Science Participation, Average Marginal Effects, controlling for

A Level Grades and Subject Choice

	Model 1		Model 2		Model 3		Model 4	
	Studied Science Degree		Science at Russell Group University		Studied Science Degree		Science at Russell Group University	
	AME	SE	AME	SE	AME	SE	AME	SE
Ref: Double Science								
Triple Science	0.06***	(0.01)	-0.00	(0.05)	0.07***	(0.01)	-0.01	(0.05)
Ref: Man								
Woman	-0.02*	(0.01)	-0.00	(0.04)	-0.04***	(0.01)	-0.02	(0.04)
Non-Binary and other genders	-0.04	(0.05)	-0.00	(0.17)	-0.05	(0.04)	0.05	(0.18)
Unknown	-0.07	(0.05)	0.21	(0.21)	-0.08+	(0.04)	0.20	(0.21)
Ref: White								
Black	0.08*	(0.03)	0.11	(0.08)	0.04	(0.03)	0.08	(0.08)
Asian	0.05**	(0.02)	0.06	(0.05)	0.03+	(0.02)	0.05	(0.05)
Other	0.08***	(0.02)	0.10+	(0.06)	0.08***	(0.02)	0.10+	(0.06)
Unknown	0.02	(0.06)	0.06	(0.18)	0.01	(0.05)	0.06	(0.18)
Index of Multiple Deprivation	-0.01**	(0.00)	0.03*	(0.01)	-0.01**	(0.00)	0.03+	(0.01)
Ref: Neither parent with degree								
At least one parent with degree	0.03+	(0.01)	0.04	(0.05)	0.02	(0.01)	0.04	(0.05)
Ref: Neither parent with high status job								
At least one parent with high status job	-0.02	(0.01)	0.04	(0.05)	-0.02	(0.01)	0.04	(0.05)
Ref: A*-B Science GCSE								
C or below Science GCSE	-0.03	(0.02)	-0.03	(0.14)	-0.05*	(0.02)	-0.04	(0.14)
Ref: A*-B Maths GCSE								
C or below Maths GCSE	-0.01	(0.02)	-0.23**	(0.09)	-0.03	(0.02)	-0.15	(0.10)
Ref: State School								
Selective School	0.00	(0.02)	0.14*	(0.06)	-0.00	(0.02)	0.14*	(0.06)
Private School	-0.01	(0.02)	0.18**	(0.07)	-0.00	(0.02)	0.18**	(0.07)
Other Type of School	0.06	(0.04)	-0.08	(0.15)	0.02	(0.04)	-0.08	(0.15)
A level grades	-0.01*	(0.01)	0.17***	(0.02)	-0.01	(0.01)	0.16***	(0.02)
At least one science A Level	0.29***	(0.01)	-0.09	(0.08)				
At least two Sciences A Level					0.28***	(0.01)	0.08+	(0.04)
At least one science and Maths A level								
Observations	2,991		525		2,991		525	
Log Likelihood	-983.0483		-273.79857		-935.0384		-272.60241	
Pseudo R-squared	0.2925		0.2173		0.3270		0.2208	

Standard errors in parentheses. Average Marginal Effects computed from Logistic Regression Analyses.

*** p<0.001, ** p<0.01, * p<0.05, + p<0.10