

Online Appendix
Civic Education in High School and Voter Turnout in Adulthood

Table 1: Logit (W3) and Ordered Logit (W4) Estimates

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	W3	W3	W4	W4	W3	W3	W4	W4
	b/se	b/se	b/se	b/se	b/se	b/se	b/se	b/se
Total Civics/SS Courses	0.054*** (0.007)	0.040*** (0.007)	0.039*** (0.006)	0.024*** (0.007)				
Experiential Learning					0.156** (0.054)	0.148** (0.056)	0.206*** (0.050)	0.190*** (0.051)
Service Learning					-0.037 (0.023)	0.002 (0.024)	-0.031 (0.022)	0.008 (0.022)
Civic Skills Development					0.060* (0.030)	0.007 (0.031)	0.052 (0.028)	0.006 (0.029)
Political Issues					0.020 (0.051)	0.044 (0.054)	0.003 (0.049)	0.043 (0.049)
Marginalized Groups					0.181** (0.055)	0.156** (0.059)	0.101 (0.056)	-0.002 (0.057)
American History					0.065*** (0.019)	0.021 (0.020)	0.049** (0.018)	0.014 (0.018)
Multicultural/International					0.080*** (0.019)	0.065*** (0.020)	0.066*** (0.018)	0.052** (0.018)
Political Knowledge					0.064** (0.024)	0.081** (0.026)	0.000 (0.023)	0.005 (0.024)
Other Social Science					0.053** (0.017)	0.018 (0.018)	0.048** (0.016)	0.016 (0.016)
Male		-0.026 (0.047)		-0.121** (0.043)		-0.032 (0.047)		-0.122** (0.043)
Age		0.066*** (0.014)		0.080*** (0.012)		0.069*** (0.014)		0.082*** (0.012)
Education		0.184*** (0.014)		0.168*** (0.012)		0.186*** (0.014)		0.167*** (0.012)
Black		0.438*** (0.063)		0.601*** (0.058)		0.406*** (0.064)		0.599*** (0.059)
Hispanic		-0.056 (0.072)		-0.142* (0.066)		-0.067 (0.073)		-0.156* (0.067)
Asian		-0.618*** (0.095)		-0.489*** (0.088)		-0.601*** (0.097)		-0.503*** (0.089)
Native American		-0.103 (0.112)		-0.015 (0.104)		-0.120 (0.113)		-0.022 (0.105)
Parental Education		0.060*** (0.012)		0.044*** (0.011)		0.060*** (0.012)		0.044*** (0.011)
Parental Civic Engagement		0.147* (0.066)		0.162** (0.059)		0.150* (0.066)		0.161** (0.060)
Parental Income		0.002*** (0.001)		-0.000 (0.000)		0.002*** (0.001)		-0.000 (0.000)
Religiosity		0.156*** (0.012)		0.111*** (0.011)		0.156*** (0.012)		0.112*** (0.011)
Cognitive Ability		0.013*** (0.002)		0.012*** (0.002)		0.013*** (0.002)		0.012*** (0.002)
Constant	-0.580*** (0.056)	-6.506*** (0.370)			-0.635*** (0.062)	-6.592*** (0.372)		
Cut point 1			-0.577*** (0.055)	5.128*** (0.343)			-0.549*** (0.060)	5.151*** (0.345)
Cut point 2			0.510*** (0.055)	6.329*** (0.346)			0.541*** (0.061)	6.354*** (0.348)
Cut point 3			1.329*** (0.057)	7.213*** (0.348)			1.362*** (0.062)	7.240*** (0.350)
N	8,496	8,496	7,506	7,506	8,496	8,496	7,506	7,506
Pseudo R2	0.0056	0.0832	0.0018	0.0451	0.0079	0.0847	0.0032	0.0459

*p<.05, **p<.01, ***p<.001, two-tailed.

Table 2: Family Fixed-Effects Models, W3 Turnout (Figure 1 derived from these results)

	(OLS)	(FE)	(OLS)	(FE)
	W3 Turnout	W3 Turnout	W3 Turnout	W3 Turnout
	b/(s.e.)/p	b/(s.e.)/p	b/(s.e.)/p	b/(s.e.)/p
Total SS/Civics	0.014*** (0.004) 0.000	0.008 (0.006) 0.149		
Experiential Learning			0.039 (0.041)	-0.003 (0.044)
Service Learning			0.345 (0.012)	0.952 (0.017)
Civic Skills Development			0.160 (0.018)	0.573 (0.027)
Political Issues			0.033 (0.032)	0.667 (0.045)
Marginalized Groups			0.038* (0.032)	-0.012 (0.040)
American History			0.387 (0.011)	0.714 (0.018)
Multicultural/International			0.073* (0.011)	0.031 (0.013)
Political Knowledge			0.022 (0.014)	0.434 (0.021)
Other Social Science			0.019 (0.010)	-0.016 (0.015)
Male	0.012 (0.024)	-0.012 (0.031)	0.202 (0.024)	0.536 (0.031)
Age	0.616 (0.007)	0.691 (0.009)	0.013 (0.007)	-0.014 (0.009)
Constant	0.019** (0.007)	0.045*** (0.009)	0.572 (0.158)	0.650 (0.212)
	0.007 (0.157)	0.000 (0.209)	0.007 (0.158)	0.000 (0.212)
	0.643	0.005	0.557	0.003
<i>N</i>	1,923	1,923	1,923	1,923
Adj R2	0.0117	0.0074	0.0205	0.0063

*p<.05, **p<.01, ***p<.001, two-tailed.

Table 3: Family Fixed-Effects Models, W4 Turnout (Figure 1 derived from these results)

	(OLS)	(FE)	(OLS)	(FE)
	W4 Turnout	W4 Turnout	W4 Turnout	W4 Turnout
	b/(s.e.)/p	b/(s.e.)/p	b/(s.e.)/p	b/(s.e.)/p
Total SS/Civics	0.019 (0.010) 0.055	0.006 (0.017) 0.722		
Experiential Learning			0.060 (0.095)	-0.009 (0.104)
Service Learning			0.524 (0.031)	0.934 (0.049)
Civic Skills Development			0.114 (0.068)	0.344 (0.066)
Political Issues			0.124 (0.078)	0.252 (0.132)
Marginalized Groups			0.786 (0.076)	0.607 (0.136)
American History			0.115 (0.028)	0.052 (0.044)
Multicultural/International			0.129 (0.024)	0.699 (0.038)
Political Knowledge			0.068 (0.032)	0.124 (0.056)
Other Social Science			0.010 (0.026)	0.063 (0.041)
Male	-0.085 (0.061)	-0.157* (0.076)	0.158 (0.061)	0.956 (0.075)
Age	0.166 (0.019)	0.040 (0.024)	0.169 (0.019)	0.025 (0.024)
Constant	0.018 (0.422)	0.087*** (0.558)	0.019 (0.420)	0.088*** (0.556)
	0.326 (0.422)	0.000 (0.558)	0.303 (0.420)	0.000 (0.556)
	1.847*** (0.422)	0.477 (0.558)	1.789*** (0.420)	0.386 (0.556)
<i>N</i>	0.000	0.393	0.000	0.487
Adj R2	1,579	1,579	1,579	1,579
	0.0047	0.0020	0.0113	0.0027

*p<.05, **p<.01, ***p<.001, two-tailed.

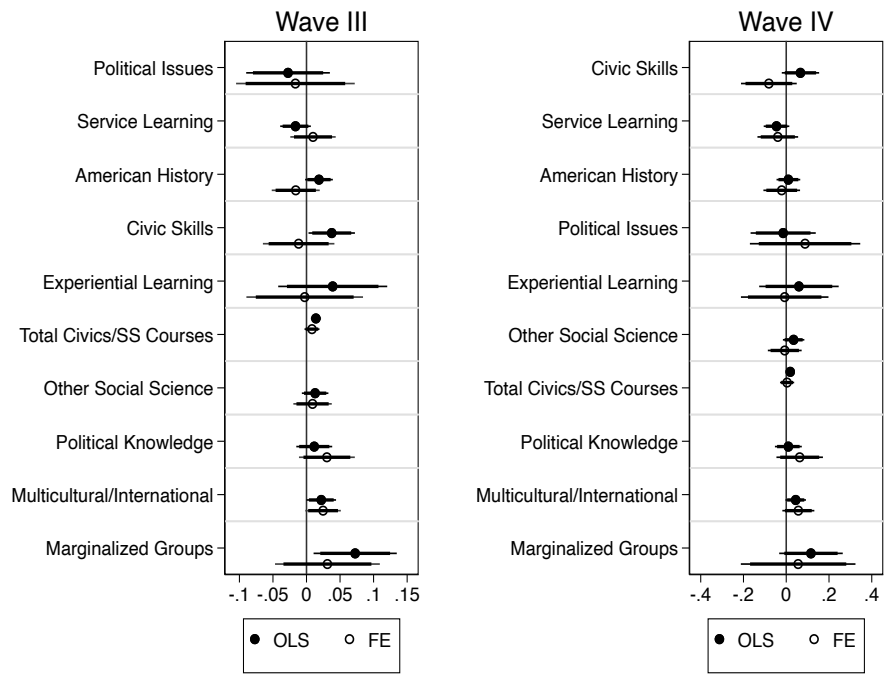


Figure 1: Comparing Effects of Civic Education in OLS and Family Fixed-Effects Models

Table 4: Family Fixed-Effects Models, W3 Turnout (Controlling for Birth Order)

	(OLS)	(FE)	(OLS)	(FE)
	W3 Turnout	W3 Turnout	W3 Turnout	W3 Turnout
	b (se)	b (se)	b (se)	b (se)
Total Civics/SS Courses	0.014*** (0.004)	0.009 (0.006)		
Experiential Learning			0.029 (0.046)	-0.040 (0.038)
Service Learning			-0.014 (0.012)	0.013 (0.017)
Civic Skills Development			0.036* (0.018)	-0.016 (0.028)
Political Issues			-0.026 (0.032)	-0.018 (0.046)
Marginalized Groups			0.063 (0.032)	0.033 (0.041)
American History			0.019 (0.011)	-0.016 (0.019)
Multicultural/International			0.021 (0.011)	0.028* (0.014)
Political Knowledge			0.012 (0.014)	0.031 (0.022)
Other Social Science			0.012 (0.010)	0.011 (0.015)
Male	0.006 (0.024)	-0.011 (0.032)	0.007 (0.024)	-0.012 (0.032)
Age	0.018* (0.007)	0.039** (0.013)	0.018* (0.007)	0.041** (0.013)
Birth Order	-0.023* (0.010)	-0.021 (0.023)	-0.022* (0.010)	-0.020 (0.023)
Constant	0.005 (0.168)	-0.415 (0.325)	-0.014 (0.169)	-0.466 (0.327)
<i>N</i>	1,869	1,869	1,869	1,869
Adjusted R2	0.0153	0.0116	0.0223	0.0089

*p<.05, **p<.01, ***p<.001, two-tailed.

Table 5: Family Fixed-Effects Models, W4 Turnout (Controlling for Birth Order)

	(OLS)	(FE)	(OLS)	(FE)
	W4 Turnout	W4 Turnout	W4 Turnout	W4 Turnout
	b (se)	b (se)	b (se)	b (se)
Total Civics/SS Courses	0.022*	0.010		
	(0.010)	(0.017)		
Experiential Learning			0.062	-0.003
			(0.095)	(0.104)
Service Learning			-0.049	-0.047
			(0.031)	(0.050)
Civic Skills Development			0.071	-0.072
			(0.045)	(0.067)
Political Issues			-0.021	0.066
			(0.078)	(0.130)
Marginalized Groups			0.122	0.072
			(0.083)	(0.139)
American History			0.012	-0.013
			(0.029)	(0.044)
Multicultural/International			0.051*	0.071
			(0.025)	(0.039)
Political Knowledge			0.014	0.073
			(0.032)	(0.056)
Other Social Science			0.039	-0.000
			(0.026)	(0.041)
Male	-0.082	-0.142	-0.082	-0.154*
	(0.062)	(0.077)	(0.062)	(0.075)
Age	0.019	0.074*	0.020	0.075*
	(0.019)	(0.033)	(0.019)	(0.033)
Birth Order	-0.035	-0.044	-0.033	-0.044
	(0.028)	(0.059)	(0.028)	(0.058)
Constant	1.881***	0.828	1.812***	0.721
	(0.452)	(0.835)	(0.450)	(0.834)
<i>N</i>	1,541	1,541	1,541	1,541
Adjusted R2	0.0071	0.0042	0.0144	0.0052

*p<.05, **p<.01, ***p<.001, two-tailed.