Table S1: Biomedical Science majors at California State University, Northridge (CSUN) that qualify for BUILD PODER participation

CSUN Colleges	BUILD Eligible Majors
Engineering & Computer Science	
	Computer Science
	Electrical & Computer Engineering
	Mechanical Engineering
Health & Human Development	
	Child and Adolescent Development
	Communication Disorders and Sciences: Speech & Hearing Sciences
	Environmental and Occupational Health
	Family and Consumer Sciences: Dietetics & Food
	Health Sciences
	Kinesiology
	Nursing
	Physical Therapy
Science & Mathematics	
	Biology
	Chemistry & Biochemistry
	Geological Sciences
	Physics & Astronomy
	Mathematics
Social & Behavioral Sciences	
	Anthropology
	Geography and Environmental Studies
	Psychology
	Sociology

Study Measures

Table S2: Survey Items, Construct, Scale, and Reliability Indices

Item	Construct	Scale	SAFS19 Reliability Cronbach's α/ Separation/ Reliability	CSS20 Reliability Cronbach's α/ Separation/ Reliability
1. I have strong sense of belonging to the community of scientists	**Science Identity**	5-point scale	0.87/	0.92/
2. I derive great personal satisfaction from working on a team that is doing important research			2.57/	2.68/
3. I have come to think of myself as a scientist			0.87	0.88
4. I feel like I belong in the field of science				
1. Use technical science skills (use of tools, instruments, and/or techniques)	**Science Self Efficacy**	5-point scale	0.93/	0.96/
2. Generate a research question			3.02/	3.48/
3. Determine how to collect appropriate data			0.9	0.92
4. Explain the results of a study				
5. Use scientific literature to guide research				
6. Integrate results from multiple studies				
1. Academic ability	**Academic Self-concept**	5-point Likert scale	0.75/	0.53/
2. Drive to achieve			1.84/	1.38/
3. Mathematical ability			0.77	0.66
4. Self-confidence (intellectual)				

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Table S3: Factor Loadings for Science Identity, Science Self-Efficacy, and Academic Self-Concept

Item	SAFS19			CSS20		
	Science identity	Science self-efficacy	Academic self-concept	Science identity	Science self-efficacy	Academic self-concept
1	0.79	0.64	0.80	0.86	0.78	0.69
2	0.51	0.79	0.65	0.76	0.88	0.68
3	0.86	0.84	0.56	0.93	0.94	0.33
4	0.80	0.87	0.62	0.88	0.89	0.63
5		0.86			0.89	
6		0.85			0.85	

Note. Factor loadings are all > .30

Figure S1: Science Identity Trajectories across time between BUILD and non-BUILD students
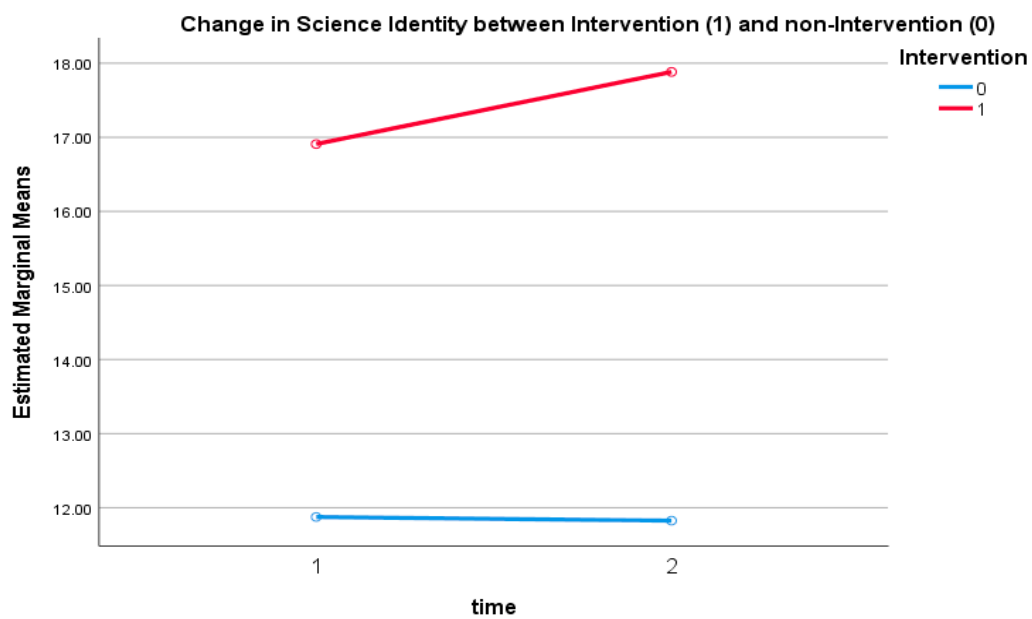
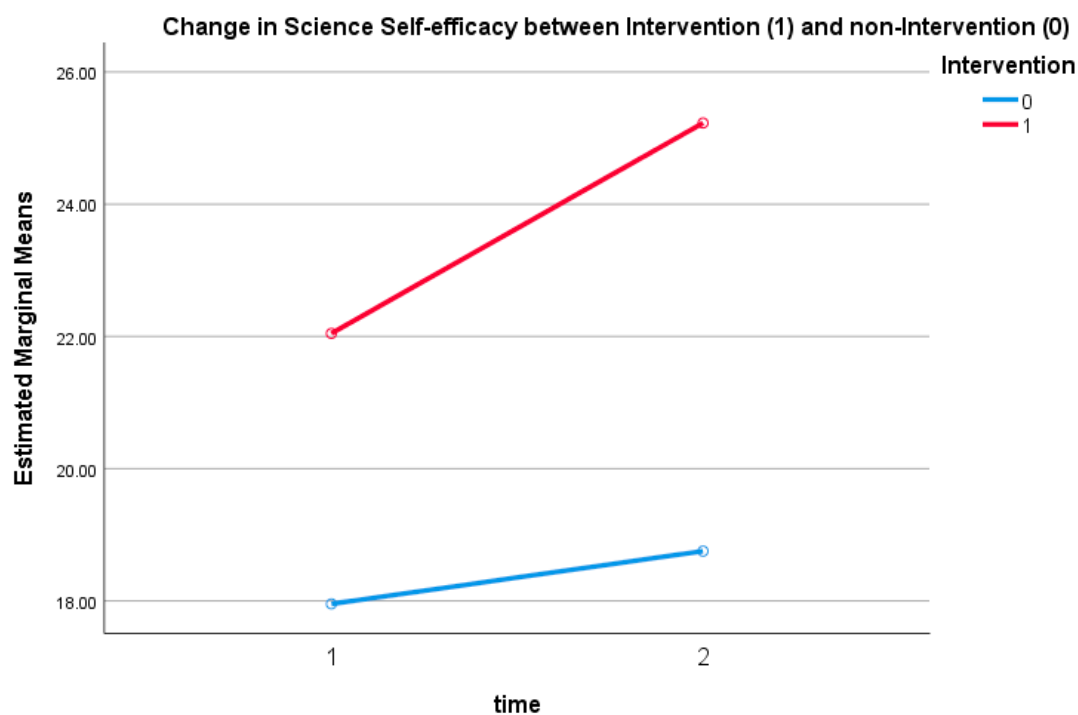**Figure S2: Science Self-efficacy Trajectories across time between BUILD and non-BUILD students**

Figure S3: Academic Self-concept Trajectories across time between BUILD and non-BUILD students
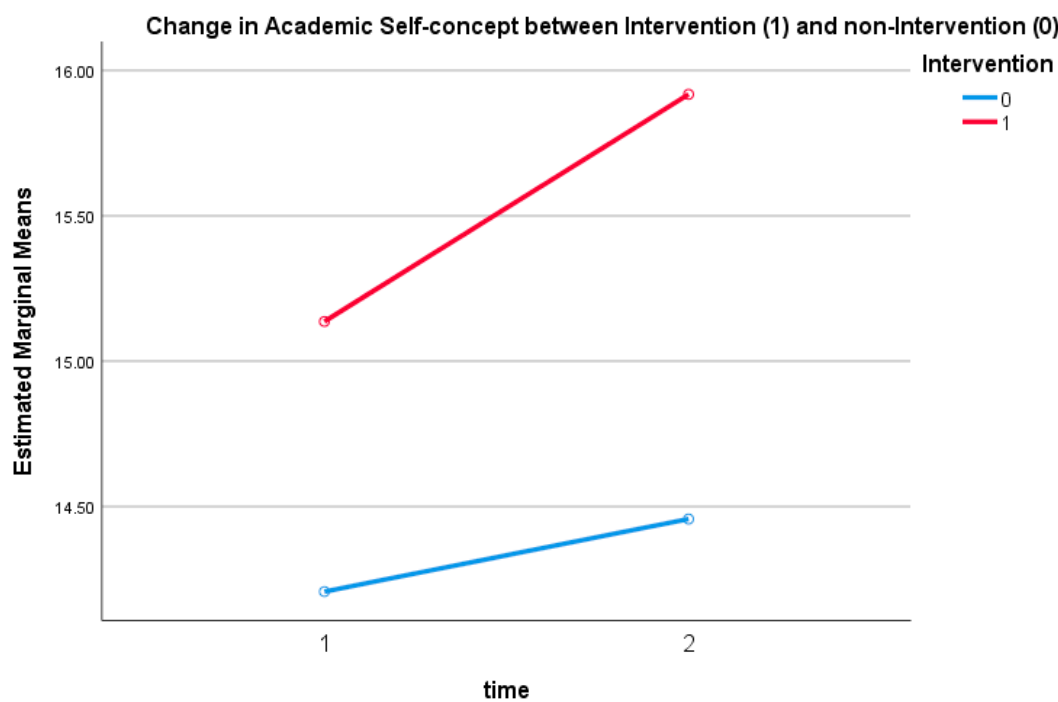
Table S4: Correlation Matrix for Sense of Belonging

Item	BUILD				Non-BUILD			
	1	**2**	**3**	**4**	**1**	**2**	**3**	**4**
1. Sense of belonging	-				-			
2. Science Identity	**0.43****	-			0.15	-		
3. Science Self-efficacy	**0.35***	0.34*	-		0.48	0.62***	-	
4. Academic Self-concept	0.33	0.23	0.47**	-	**0.26****	0.30**	0.35***	-
M	9.68	17.40	23.64	15.53	9.04	11.85	18.35	14.33
SE	0.44	0.77	1.00	0.45	0.21	0.34	0.45	0.20

Note. ***$p < .001$. **$p < .01$. *$p < .05$.