

## **Appendix B**

### **Distribution of Scale Scores by Science Discipline**

## Distribution of Scale Scores by Science Discipline

*Table B-1. Science Disciplines*

Grade	Discipline
5, 8, 11	Physical Sciences (PS) Life Sciences (LS) Earth & Space Sciences (ESS)

*Table B-2. Combined Overall Discipline Score Mean and Standard Deviation, Grade 5 Science*

N	Scale Score	Discipline		
		PS	LS	ESS
14,505	Mean	50.30	50.61	51.13
	SD	20.26	22.69	23.55

*Table B-3. Combined Overall Discipline Score Mean and Standard Deviation, Grade 8 Science*

N	Scale Score	Discipline		
		PS	LS	ESS
14,052	Mean	52.50	51.43	51.67
	SD	18.79	20.64	20.17

Table B-4. Combined Overall Discipline Score Mean and Standard Deviation, Grade 11 Science

N	Scale Score	Discipline		
		PS	LS	ESS
12,797	Mean	55.86	55.23	55.94
	SD	16.16	20.96	20.80

Table B-5. Overall Discipline Score Mean and Standard Deviation, Grade 5 Science, Rhode Island

N	Scale Score	Discipline		
		PS	LS	ESS
9,231	Mean	49.64	49.61	49.85
	SD	20.48	22.77	23.24

Table B-6. Overall Discipline Score Mean and Standard Deviation, Grade 8 Science, Rhode Island

N	Scale Score	Discipline		
		PS	LS	ESS
8,715	Mean	51.65	50.53	50.79
	SD	18.90	20.66	19.99

Table B-7. Overall Discipline Score Mean and Standard Deviation, Grade 11 Science, Rhode Island

N	Scale Score	Discipline		
		PS	LS	ESS
8,173	Mean	55.32	54.68	54.80
	SD	15.88	21.08	20.19

Table B-8. Overall Discipline Score Mean and Standard Deviation, Grade 5 Science, Vermont

N	Scale Score	Discipline		
		PS	LS	ESS
5,274	Mean	51.44	52.36	53.35
	SD	19.84	22.46	23.92

Table B-9. Overall Discipline Score Mean and Standard Deviation, Grade 8 Science, Vermont

N	Scale Score	Discipline		
		PS	LS	ESS
5,337	Mean	53.90	52.92	53.11
	SD	18.51	20.51	20.39

Table B-10. Overall Discipline Score Mean and Standard Deviation, Grade 11 Science, Vermont

N	Scale Score	Discipline		
		PS	LS	ESS
4,624	Mean	56.82	56.20	57.95
	SD	16.61	20.73	21.68