

## APPENDIX 18: TOTAL SCORE AND SUBSCALE SCORE INTERCORRELATIONS

### GRADE 4 SUBSCALE REPORTING CATEGORIES

Subscale	Reporting Category
Inquiry, Technology, and Nature of Science	1
Concepts of Physical Science	2
Concepts of Life Science	3
Concepts of Earth Science	4

### GRADE 8 SUBSCALE REPORTING CATEGORIES

Subscale	Reporting Category
Inquiry and Nature of Science	1
Concepts of Physical Science	2
Concepts of Life Science	3
Concepts of Earth Science	4

### GRADE 10 SUBSCALE REPORTING CATEGORIES

Subscale	Reporting Category
Inquiry, Technology, Society, and Nature of Science	1
Concepts of Physical Science	2
Concepts of Life Science	3
Concepts of Earth Science	4

**Table 18–1. Grade 4 Total Score and Subscale Score Intercorrelations**

	<b>Total</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Total</b>	1.00	0.95	0.85	0.84	0.84
<b>1</b>		1.00	0.74	0.73	0.72
<b>2</b>			1.00	0.69	0.69
<b>3</b>				1.00	0.66
<b>4</b>					1.00

**Table 18–2. Grade 8 Total Score and Subscale Score Intercorrelations**

	<b>Total</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Total</b>	1.00	0.91	0.85	0.89	0.84
<b>1</b>		1.00	0.69	0.75	0.69
<b>2</b>			1.00	0.69	0.63
<b>3</b>				1.00	0.68
<b>4</b>					1.00

**Table 18–3. Grade 10 Total Score and Subscale Score Intercorrelations**

	<b>Total</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Total</b>	1.00	0.90	0.84	0.88	0.88
<b>1</b>		1.00	0.69	0.72	0.71
<b>2</b>			1.00	0.65	0.64
<b>3</b>				1.00	0.71
<b>4</b>					1.00