

## APPENDIX 17: 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 17–1. Grade 4 Total Score and Subscale Score Intercorrelations**

	<b>Overall</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Overall</b>	1.00	0.93	0.83	0.80	0.84
<b>1</b>		1.00	0.71	0.65	0.68
<b>2</b>			1.00	0.61	0.65
<b>3</b>				1.00	0.61
<b>4</b>					1.00

**Table 17–2. Grade 8 Total Score and Subscale Score Intercorrelations**

	<b>Overall</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Overall</b>	1.00	0.91	0.85	0.88	0.80
<b>1</b>		1.00	0.69	0.74	0.65
<b>2</b>			1.00	0.68	0.60
<b>3</b>				1.00	0.63
<b>4</b>					1.00

**Table 17–3. Grade 10 Total Score and Subscale Score Intercorrelations**

	<b>Overall</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Overall</b>	1.00	0.90	0.83	0.86	0.85
<b>1</b>		1.00	0.67	0.70	0.67
<b>2</b>			1.00	0.62	0.61
<b>3</b>				1.00	0.66
<b>4</b>					1.00