

Supplementary Material

Table S1. CFA Results for Knowledge Categories (High Gf Sample).

Knowledge Category	χ^2	<i>df</i>	CFI	RMSEA	SRMR
<i>Humanities</i>					
Cl. Music	16.14	19	1	>.001	.053
Mod. Music	19.07	18	.989	.012	.054
Cl. Literature	3.68	8	1	>.001	.030
Mod. Literature	7.14	8	1	>.001	.049
Art/Arch.	39.90	32	.950	.024	.070
Sports	25.30	24	.955	.011	.069
Television	12.14	11	.974	.016	.054
Geography	11.66	20	1	>.001	.046
Medicine	12.44	13	1	>.001	.050
<i>Civics</i>					
History	49.66	50	1	>.001	.062
Religion	20.64	24	1	>.001	.073
Economics	10.43	14	1	>.001	.048
Politics	25.36	25	.996	.006	.059
<i>Science</i>					
Physics	24.16	26	1	>.001	.052
Chemistry	35.32	35	.995	.005	.066
Mathematics	22.69	23	1	>.001	.056

Note. $n = 415$. Cl. = Classical, Mod. = Modern, Arch. = Architecture. Robust estimation was used for CFA.

Table S2. CFA Results for Knowledge Categories (Unselected Gf Sample).

Knowledge Category	χ^2	<i>df</i>	CFI	RMSEA	SRMR
<i>Humanities</i>					
Cl. Music	17.02	17	1	.001	.034
Mod. Music	18.10	16	.988	.011	.034
Cl. Literature	11.05	7	.924	.024	.034
Mod. Literature	7.45	8	1	>.001	.033
Art/Arch.	32.97	32	.998	.005	.039
Sports	30.79	25	1	>.001	.049
Television	16.02	11	.975	.021	.037
Geography	16.48	20	1	>.001	.034
Medicine	15.19	13	.969	.013	.038
<i>Civics</i>					
History	85.13**	52	.927	.025	.050
Religion	33.94	22	.941	.019	.054
Economics	13.21	14	1	>.001	.034
Politics	23.26	25	1	>.001	.036
<i>Science</i>					
Physics	45.90**	26	.918	.027	.047
Chemistry	52.70**	31	.946	.026	.046
Mathematics	9.67	15	1	>.001	.026

Note. $n = 1,035$. ** $p < .01$ Cl. = Classical, Mod. = Modern, Arch. = Architecture. Robust estimation was used for CFA.

Table S3. *Correlation Matrix of Knowledge Categories (Total Sample).*

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) <i>Cl. Music</i>	1							
(2) <i>Mod. Music</i>	.24	1						
(3) <i>Cl. Literature</i>	.19	.18	1					
(4) <i>Mod. Literature</i>	.19	.09	.16	1				
(5) <i>Art/Architecture</i>	.35	.33	.32	.22	1			
(6) <i>Sports</i>	.14	.20	.06	.06	.18	1		
(7) <i>Television</i>	.22	.33	.21	.14	.33	.23	1	
(8) <i>Geography</i>	.29	.27	.19	.12	.33	.25	.19	1
(9) <i>Medicine</i>	.16	.14	.12	.11	.22	.16	.16	.18
(10) <i>History</i>	.26	.25	.23	.18	.29	.15	.24	.31
(11) <i>Religion</i>	.21	.29	.23	.13	.27	.16	.24	.24
(12) <i>Economics</i>	.20	.21	.19	.07	.30	.20	.22	.19
(13) <i>Politics</i>	.18	.23	.20	.11	.28	.17	.15	.20
(14) <i>Physics</i>	.11	.13	.23	.08	.16	.18	.21	.13
(15) <i>Chemistry</i>	.13	.11	.16	.01	.14	.09	.13	.14
(16) <i>Mathematics</i>	.05	.11	.17	.14	.12	.11	.16	.13
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
(1) <i>Cl. Music</i>								
(2) <i>Mod. Music</i>								
(3) <i>Cl. Literature</i>								
(4) <i>Mod. Literature</i>								
(5) <i>Art/Architecture</i>								
(6) <i>Sports</i>								
(7) <i>Television</i>								
(8) <i>Geography</i>								
(9) <i>Medicine</i>	1							
(10) <i>History</i>	.18	1						

(11) <i>Religion</i>	.11	.29	1					
(12) <i>Economics</i>	.09	.24	.20	1				
(13) <i>Politics</i>	.09	.33	.28	.26	1			
(14) <i>Physics</i>	.17	.22	.23	.16	.17	1		
(15) <i>Chemistry</i>	.22	.13	.14	.11	.05	.52	1	
(16) <i>Mathematics</i>	.11	.18	.16	.18	.21	.34	.36	1

Note. N = 1,450. Cl. = Classical, Mod. = Modern.

Table S4. Correlation Matrix of Knowledge Categories (High Gf and Unselected Gf).

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) <i>Cl. Music</i>	1	.24	.24	.18	.35	.21	.18	.29
(2) <i>Mod. Music</i>	.18	1	.20	.11	.31	.24	.35	.25
(3) <i>Cl. Literature</i>	.03	.14	1	.19	.23	.06	.10	.12
(4) <i>Mod. Literature</i>	.18	.04	.08	1	.23	.06	.10	.12
(5) <i>Art/Architecture</i>	.24	.30	.27	.17	1	.17	.34	.33
(6) <i>Sports</i>	.06	.27	.10	.07	.21	1	.25	.26
(7) <i>Television</i>	.20	.18	.13	.15	.21	.11	1	.16
(8) <i>Geography</i>	.20	.27	.10	.08	.31	.20	.11	1
(9) <i>Medicine</i>	.11	.16	.16	.14	.22	.22	.09	.11
(10) <i>History</i>	.28	.20	.08	.15	.27	.17	.22	.29
(11) <i>Religion</i>	.16	.22	.06	.05	.27	.26	.11	.26
(12) <i>Economics</i>	.13	.21	.10	-.02	.28	.14	.18	.16
(13) <i>Politics</i>	.15	.20	.02	.05	.32	.18	.07	.21
(14) <i>Physics</i>	.04	.02	.08	.03	.17	.17	.08	.004
(15) <i>Chemistry</i>	.08	-.04	.01	-.03	.03	.10	.05	.04
(16) <i>Mathematics</i>	-.04	.09	.09	.16	.14	.14	.11	.05
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
(1) <i>Cl. Music</i>	.16	.25	.21	.21	.19	.12	.12	.04
(2) <i>Mod. Music</i>	.12	.26	.35	.22	.22	.16	.13	.11

(3) <i>Cl. Literature</i>	.10	.26	.17	.21	.21	.23	.18	.16
(4) <i>Mod. Literature</i>	.10	.19	.17	.09	.11	.10	-.01	.12
(5) <i>Art/Architecture</i>	.20	.30	.35	.30	.26	.13	.13	.09
(6) <i>Sports</i>	.14	.15	.11	.22	.17	.21	.09	.09
(7) <i>Television</i>	.14	.19	.24	.21	.14	.16	.08	.13
(8) <i>Geography</i>	.17	.31	.23	.20	.19	.16	.16	.14
(9) <i>Medicine</i>	1	.13	.16	.08	.05	.14	.20	.08
(10) <i>History</i>	.14	1	.29	.24	.31	.21	.12	.18
(11) <i>Religion</i>	.07	.38	1	.14	.19	.16	.13	.03
(12) <i>Economics</i>	.06	.20	.15	1	.26	.15	.10	.19
(13) <i>Politics</i>	.15	.39	.35	.26	1	.15	.04	.21
(14) <i>Physics</i>	.14	.23	.17	.13	.17	1	.46	.31
(15) <i>Chemistry</i>	.14	.07	.11	.08	.04	.44	1	.31
(16) <i>Mathematics</i>	.11	.14	.07	.12	.25	.24	.21	1

Note. $n(\text{high Gf}) = 415$, $n(\text{average Gf}) = 1,035$. Cl. = Classical, Mod. = Modern. Lower diagonal for high Gf and upper diagonal for unselected Gf.