

# Exhibit 14: Number of TIMSS Science Topics Intended to Be Taught by the End of Eighth Grade

Reported by National Research Coordinators

Country	All Science (26 Topics)			Biology (7 Topics)			Chemistry (8 Topics)		
	Topics Taught to All or Almost All Students	Topics Taught to Only the More Able Students (Top Track)	Not Included in the Curriculum Through Grade 8	Topics Taught to All or Almost All Students	Topics Taught to Only the More Able Students (Top Track)	Not Included in the Curriculum Through Grade 8	Topics Taught to All or Almost All Students	Topics Taught to Only the More Able Students (Top Track)	Not Included in the Curriculum Through Grade 8
Australia	16	4	6	5	1	1	4	1	3
Bahrain	26	0	0	7	0	0	8	0	0
Chile	26	0	0	7	0	0	8	0	0
Chinese Taipei	17	1	8	7	0	0	7	0	1
Cyprus	17	0	9	5	0	2	7	0	1
Egypt	25	0	1	6	0	1	8	0	0
England	25	0	1	7	0	0	7	0	1
Finland	26	0	0	7	0	0	8	0	0
France	23	0	3	7	0	0	6	0	2
Georgia	19	0	7	3	0	4	7	0	1
Hong Kong SAR	19	1	6	6	0	1	3	1	4
Hungary	23	0	3	5	0	2	8	0	0
Iran, Islamic Rep. of	25	0	1	7	0	0	7	0	1
Ireland	-	-	-	-	-	-	-	-	-
Israel	26	0	0	7	0	0	8	0	0
Italy	21	1	4	7	0	0	4	1	3
Japan	24	0	2	6	0	1	7	0	1
Jordan	26	0	0	7	0	0	8	0	0
Kazakhstan	26	0	0	7	0	0	8	0	0
Korea, Rep. of	20	1	5	5	0	2	4	1	3
Kuwait	26	0	0	7	0	0	8	0	0
Lebanon	8	7	11	3	3	1	1	2	5
Lithuania	24	0	2	7	0	0	6	0	2
Malaysia	26	0	0	7	0	0	8	0	0
Morocco	24	0	2	7	0	0	7	0	1
New Zealand	19	6	1	5	2	0	6	1	1
Norway	20	0	6	7	0	0	7	0	1
Oman	25	0	1	7	0	0	7	0	1
Portugal	25	0	1	7	0	0	8	0	0
Qatar	21	0	5	5	0	2	6	0	2
Romania	25	1	0	6	1	0	8	0	0
Russian Federation	24	0	2	7	0	0	7	0	1
Saudi Arabia	26	0	0	7	0	0	8	0	0
Singapore	14	7	5	6	0	1	3	4	1
South Africa	24	0	2	7	0	0	7	0	1
Sweden	26	0	0	7	0	0	8	0	0
Turkey	18	0	8	4	0	3	7	0	1
United Arab Emirates	26	0	0	7	0	0	8	0	0
United States	22	0	4	7	0	0	4	0	4
<b>International Average</b>	<b>22</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>1</b>
<b>Benchmarking Participants</b>									
Ontario, Canada	21	0	5	7	0	0	4	0	4
Quebec, Canada	22	0	4	7	0	0	5	0	3
Moscow City, Russian Fed.	24	0	2	7	0	0	7	0	1
Gauteng, South Africa	Same as South Africa								
Western Cape, South Africa	Same as South Africa								
Abu Dhabi, UAE	Same as United Arab Emirates								
Dubai, UAE	Same as United Arab Emirates								

Because of rounding some results may appear inconsistent.  
A dash (-) indicates data not provided.

## Exhibit 14: Number of TIMSS Science Topics Intended to Be Taught by the End of Eighth Grade

Reported by National Research Coordinators

(Continued)

Country	Physics (7 Topics)			Earth Science (4 Topics)		
	Topics Taught to All or Almost All Students	Topics Taught to Only the More Able Students (Top Track)	Not Included in the Curriculum Through Grade 8	Topics Taught to All or Almost All Students	Topics Taught to Only the More Able Students (Top Track)	Not Included in the Curriculum Through Grade 8
Australia	4	2	1	3	0	1
Bahrain	7	0	0	4	0	0
Chile	7	0	0	4	0	0
Chinese Taipei	3	1	3	0	0	4
Cyprus	1	0	6	4	0	0
Egypt	7	0	0	4	0	0
England	7	0	0	4	0	0
Finland	7	0	0	4	0	0
France	6	0	1	4	0	0
Georgia	5	0	2	4	0	0
Hong Kong SAR	6	0	1	4	0	0
Hungary	6	0	1	4	0	0
Iran, Islamic Rep. of	7	0	0	4	0	0
Ireland	–	–	–	–	–	–
Israel	7	0	0	4	0	0
Italy	6	0	1	4	0	0
Japan	7	0	0	4	0	0
Jordan	7	0	0	4	0	0
Kazakhstan	7	0	0	4	0	0
Korea, Rep. of	7	0	0	4	0	0
Kuwait	7	0	0	4	0	0
Lebanon	3	1	3	1	1	2
Lithuania	7	0	0	4	0	0
Malaysia	7	0	0	4	0	0
Morocco	7	0	0	3	0	1
New Zealand	4	3	0	4	0	0
Norway	3	0	4	3	0	1
Oman	7	0	0	4	0	0
Portugal	6	0	1	4	0	0
Qatar	7	0	0	3	0	1
Romania	7	0	0	4	0	0
Russian Federation	6	0	1	4	0	0
Saudi Arabia	7	0	0	4	0	0
Singapore	4	3	0	1	0	3
South Africa	6	0	1	4	0	0
Sweden	7	0	0	4	0	0
Turkey	3	0	4	4	0	0
United Arab Emirates	7	0	0	4	0	0
United States	7	0	0	4	0	0
<b>International Average</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>
<b>Benchmarking Participants</b>						
Ontario, Canada	7	0	0	3	0	1
Quebec, Canada	6	0	1	4	0	0
Moscow City, Russian Fed.	6	0	1	4	0	0
Gauteng, South Africa	Same as South Africa					
Western Cape, South Africa	Same as South Africa					
Abu Dhabi, UAE	Same as United Arab Emirates					
Dubai, UAE	Same as United Arab Emirates					