

**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 (22 topics)			Biology (7 topics)			Chemistry (6 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
Armenia	20	0	2	7	0	0	6	0	0
Australia	15	3	4	4	2	1	4	0	2
Bahrain	16	0	6	6	0	1	6	0	0
Botswana	20	0	2	7	0	0	4	0	2
Canada	19	0	3	7	0	0	4	0	2
Chile	19	0	3	6	0	1	5	0	1
Chinese Taipei	21	0	1	6	0	1	6	0	0
Egypt	13	6	3	6	1	0	3	0	3
England	21	0	1	7	0	0	5	0	1
Georgia	19	0	3	6	0	1	5	0	1
Hong Kong SAR	17	0	4	6	0	0	2	0	4
Hungary	21	0	1	7	0	0	6	0	0
Iran, Islamic Rep. of	22	0	0	7	0	0	6	0	0
Ireland	—	—	—	—	—	—	—	—	—
Israel	17	2	3	5	1	1	5	1	0
Italy	21	0	1	7	0	0	6	0	0
Japan	20	0	2	6	0	1	5	0	1
Jordan	22	0	0	7	0	0	6	0	0
Kazakhstan	22	0	0	7	0	0	6	0	0
Korea, Rep. of	20	0	2	6	0	1	5	0	1
Kuwait	20	0	2	6	0	1	6	0	0
Lebanon	14	1	7	2	0	5	5	0	1
Lithuania	18	0	4	7	0	0	5	0	1
Malaysia	17	0	5	5	0	2	3	0	3
Malta	18	4	0	6	1	0	4	2	0
Morocco	15	0	7	6	0	1	4	0	2
New Zealand	16	5	1	5	2	0	4	1	1
Norway	20	0	2	7	0	0	6	0	0
Oman	15	1	6	6	0	1	4	1	1
Qatar	19	1	2	6	1	0	5	0	1
Russian Federation	13	0	9	4	0	3	2	0	4
Saudi Arabia	22	0	0	7	0	0	6	0	0
Singapore	13	4	5	6	0	1	2	3	1
Slovenia	18	0	4	6	0	1	5	0	1
South Africa	21	0	1	7	0	0	5	0	1
Sweden	22	0	0	7	0	0	6	0	0
Thailand	22	0	0	7	0	0	6	0	0
Turkey	21	0	1	7	0	0	5	0	1
United Arab Emirates	9	4	9	2	2	3	3	1	2
United States	19	0	3	7	0	0	3	0	3
International Avg.	18	1	3	6	0	1	5	0	1

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**Benchmarking Participants—Responses Pertain to Benchmarking Provinces/Emirates/States**

Buenos Aires, Argentina	9	0	13	4	0	3	0	0	6
Ontario, Canada	18	0	4	6	0	1	4	0	2
Quebec, Canada	11	1	10	4	1	2	4	0	2
Abu Dhabi, UAE	20	0	2	7	0	0	4	0	2
Dubai, UAE	9	4	9	2	2	3	3	1	2
Florida, US	20	0	2	6	0	1	5	0	1

A dash (–) indicates data not provided.

**Exhibit 14: Number of TIMSS Science Topics Intended to Be Taught by the End of Eighth Grade (Continued)**

Country	Physics (5 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
Armenia	3	0	2	4	0	0
Australia	3	1	1	4	0	0
Bahrain	3	0	2	1	0	3
Botswana	5	0	0	4	0	0
Canada	4	0	1	4	0	0
Chile	4	0	1	4	0	0
Chinese Taipei	5	0	0	4	0	0
Egypt	0	5	0	4	0	0
England	5	0	0	4	0	0
Georgia	4	0	1	4	0	0
Hong Kong SAR	5	0	0	4	0	0
Hungary	5	0	0	3	0	1
Iran, Islamic Rep. of	5	0	0	4	0	0
Ireland	–	–	–	–	–	–
Israel	3	0	2	4	0	0
Italy	4	0	1	4	0	0
Japan	5	0	0	4	0	0
Jordan	5	0	0	4	0	0
Kazakhstan	5	0	0	4	0	0
Korea, Rep. of	5	0	0	4	0	0
Kuwait	5	0	0	3	0	1
Lebanon	3	1	1	4	0	0
Lithuania	2	0	3	4	0	0
Malaysia	5	0	0	4	0	0
Malta	5	0	0	3	1	0
Morocco	4	0	1	1	0	3
New Zealand	3	2	0	4	0	0
Norway	3	0	2	4	0	0
Oman	3	0	2	2	0	2
Qatar	5	0	0	3	0	1
Russian Federation	4	0	1	3	0	1
Saudi Arabia	5	0	0	4	0	0
Singapore	4	1	0	1	0	3
Slovenia	3	0	2	4	0	0
South Africa	5	0	0	4	0	0
Sweden	5	0	0	4	0	0
Thailand	5	0	0	4	0	0
Turkey	5	0	0	4	0	0
United Arab Emirates	3	0	2	1	1	2
United States	5	0	0	4	0	0
International Avg.	4	0	1	3	0	0

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**Benchmarking Participants—Responses Pertain to Benchmarking Provinces/Emirates/States**

Buenos Aires, Argentina	0	0	5	4	0	0
Ontario, Canada	5	0	0	3	0	1
Quebec, Canada	0	0	5	3	0	1
Abu Dhabi, UAE	5	0	0	4	0	0
Dubai, UAE	3	0	2	1	1	2
Florida, US	5	0	0	4	0	0