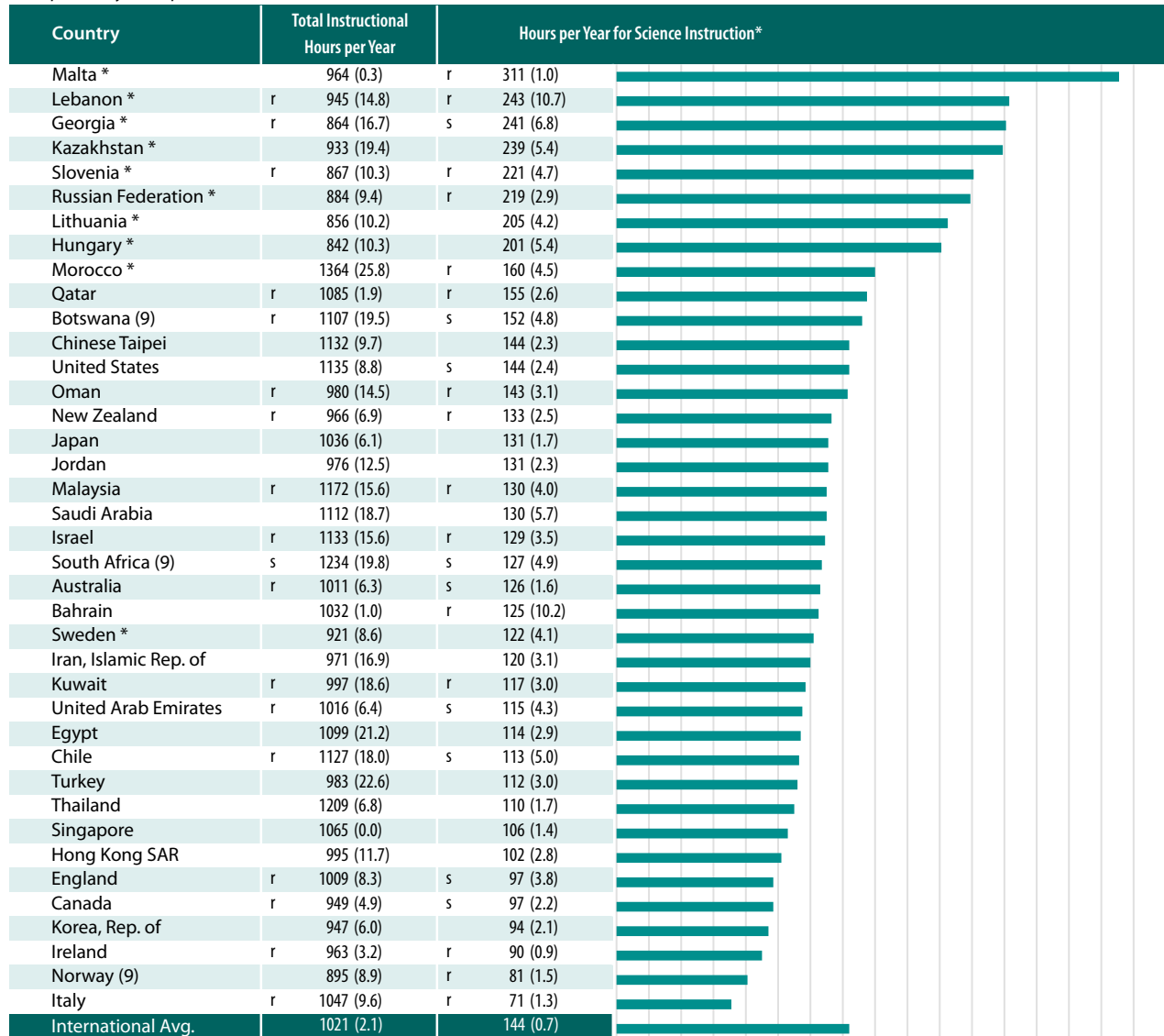


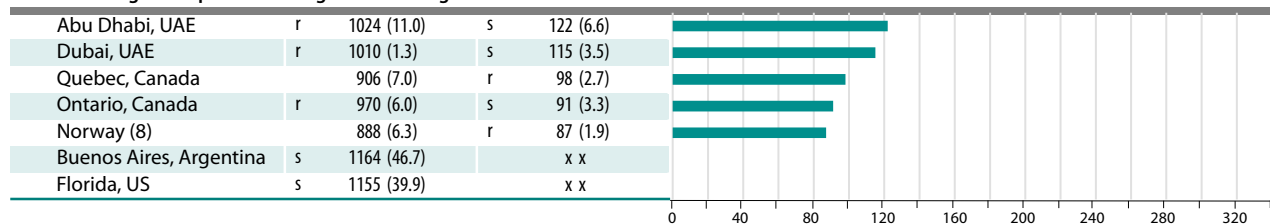
Exhibit 9.2: Instructional Time Spent on Science

Reported by Principals and Teachers



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

Benchmarking Participants Teaching General/Integrated Science



* For countries teaching science as separate subjects, total hours across subjects.

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A dash (-) indicates comparable data not available.

An "r" indicates data are available for at least 70% but less than 85% of the students. An "s" indicates data are available for at least 50% but less than 70% of the students.

An "x" indicates data are available for less than 50% of students.

Exhibit 9.2: Instructional Time Spent on Science (Continued)

For Countries Teaching Science as Separate Subjects

Country	Hours per Year for Instruction					
	All Science Subjects	Biology	Chemistry	Physics	Earth Science	
Malta	r 311 (1.0)	r 92 (0.5)	s 89 (0.6)	r 99 (0.4)	r 31 (0.3)	
Lebanon	r 243 (10.7)	r 90 (6.9)	r 73 (4.7)	r 80 (7.2)	- -	
Georgia	s 241 (6.8)	r 61 (3.3)	s 61 (2.2)	r 60 (1.9)	s 59 (2.3)	
Kazakhstan	239 (5.4)	61 (1.9)	61 (2.2)	60 (2.0)	58 (1.7)	
Slovenia	r 221 (4.7)	r 52 (2.0)	r 59 (1.5)	r 60 (2.7)	r 51 (1.8)	
Russian Federation	r 219 (2.9)	r 54 (1.5)	r 55 (1.1)	r 57 (1.8)	53 (0.7)	
Lithuania	205 (4.2)	34 (1.5)	59 (2.7)	56 (1.2)	56 (1.9)	
Hungary	201 (5.4)	54 (2.4)	51 (2.4)	49 (1.7)	47 (1.6)	
Morocco	r 160 (4.5)	r 40 (1.4)	r 40 (1.6)	r 40 (1.6)	r 40 (1.4)	
Sweden	122 (4.1)	39 (1.5)	40 (1.3)	43 (1.7)	- -	
International Avg.	216 (1.7)	58 (0.9)	59 (0.7)	60 (0.9)	49 (0.6)	

Total Instructional Hours per Year	=	Principal Reports of School Days per Year	X	Principal Reports of Instructional Hours per Day
Hours per Year for Science Instruction	=	Teacher Reports of Weekly Science Instructional Hours	X	Principal Reports of School Days per Week
		Principal Reports of School Days per Week		

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