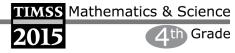


## Exhibit 9: Instructional Time Devoted to Mathematics and Science Curricula at the Fourth Grade

Reported by National Research Coordinators

Country	Percent of Total I	nstructional Time
	Mathematics	Science
Armenia	16%	7%
Nustralia	Varies by state (approximately 18%)	Varies by state (approximately 7%)
ahrain	17%	10%
elgium (Flemish)	18%	7%
ulgaria	18%	7%
anada	Varies by province	Varies by province
hile	Varies by school (approximately 13–17%)	Varies by school (approximately 8–10%)
hinese Taipei	10–15%	10–15%
roatia	22%	17%
yprus	14%	6%
zech Republic	Not specified in curriculum	Not specified in curriculum
)enmark	11%	7%
ngland	Not specified in curriculum	Not specified in curriculum
inland	Not specified in curriculum	Not specified in curriculum
rance	21%	9%
ieorgia	20%	16%
iermany	Varies by state (approximately 15%)	Varies by state (approximately 7%)
long Kong SAR	12–15%	Not specified in curriculum
lungary	17–23%	4–8%
ndonesia	17%	8%
an, Islamic Rep. of	16%	12%
reland	19%	4% (recommended)
aly	Not specified in curriculum	Not specified in curriculum
apan	18%	11%
ordan	15%	12%
(azakhstan	Not specified in curriculum	Not specified in curriculum
forea, Rep. of	14%	10%
iuwait	14%	9%
ithuania	18%	8%
Morocco	18%	5%
letherlands	Not specified in curriculum	Not specified in curriculum
lew Zealand	Not specified in curriculum	Not specified in curriculum
lorthern Ireland	Not specified in curriculum	Not specified in curriculum
lorway	12–17%	6%
)man	15%	13%
oland	18%	13%
	28%	Varies by school/teacher (approximately 8%)
ortugal	18%	10%
Qatar		
ussian Federation	15%	8%
audi Arabia	16%	10%
erbia	25%	Not specified in curriculum
ingapore	20%	8%
lovak Republic	15%	12%
lovenia	21%	13%
outh Africa	22%	13%
pain	15–19%	6–8%
weden	15%	12%
urkey	13%	10%
Inited Arab Emirates	20%	10%
United States	Varies by school district	Varies by school district





## Exhibit 9: Instructional Time Devoted to Mathematics and Science Curricula at the Fourth Grade (Continued)

Country	Percent of Total Instructional Time	
	Mathematics	Science
nchmarking Participants—Resp	ponses Pertain to Benchmarking Provinces/Emira	tes/States
Buenos Aires, Argentina	Not specified in curriculum	Not specified in curriculum
Ontario, Canada	Not specified in curriculum	Not specified in curriculum
Quebec, Canada	20%	Not specified in curriculum
Abu Dhabi, UAE	15%	11%
Dubai, UAE	Not specified in curriculum	Not specified in curriculum
Florida, US	Not specified in curriculum	Not specified in curriculum

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

