

Table SK12-18

Highest degree attainment of lower secondary mathematics and science teachers, by education system: 2018

(Percent distribution)

Education system	Mathematics teachers			Science teachers			OECD country and education system
	Below bachelor's degree	Bachelor's degree	Master's or higher degree	Below bachelor's degree	Bachelor's degree	Master's or higher degree	
TALIS average ^a	6	51	43	5	48	47	na
Alberta (Canada)	#	82	18	#	88	12	No
Australia	3	77	20	2	69	29	Yes
Austria	43	19	38	22	12	66	Yes
Belgium	2	91	6	2	91	7	Yes
Brazil	5	89	6	1	90	9	No
Bulgaria	4	14	81	4	13	83	No
Chile	5	81	14	2	82	17	Yes
Chinese Taipei	#	32	68	#	24	76	No
Ciudad Autónoma de Buenos Aires (Argentina)	32	56	12	16	66	18	No
Colombia	3	38	59	3	41	56	Yes
Croatia	8	6	86	4	3	93	No
Cyprus	#	43	57	#	35	65	No
Czechia	1	1	98	1	1	98	Yes
Denmark	9	84	7	6	85	9	Yes
England (United Kingdom)	3	72	25	1	65	34	No
Estonia	3	22	75	3	14	83	Yes
Finland	1	7	93	#	2	98	Yes
France	2	36	62	1	15	84	Yes
Georgia	3	9	89	3	10	87	No
Hungary	#	66	34	0	54	46	Yes
Israel	1	51	49	1	46	53	Yes
Italy	#	2	98	1	5	94	Yes
Japan	1	88	12	#	84	16	Yes
Kazakhstan	3	90	7	2	93	5	No
Latvia	1	29	70	2	20	78	Yes
Lithuania	#	63	37	#	55	45	Yes
Malta	5	85	10	4	69	27	No
Mexico	1	69	30	0	70	30	Yes
Netherlands	5	65	30	3	49	48	Yes
New Zealand	4	82	14	1	74	25	Yes
Norway	1	69	30	#	62	38	Yes
Portugal	2	2	96	2	3	96	Yes
Romania	1	67	32	3	60	37	No
Russia	1	10	89	3	11	86	No
Saudi Arabia	3	91	6	0	92	7	No
Shanghai (China)	1	85	14	1	86	13	No
Singapore	1	82	16	1	72	27	No
Slovakia	#	0	100	1	#	99	Yes
Slovenia	25	5	70	34	5	61	Yes
South Africa	82	14	4	76	21	3	No
South Korea	#	60	40	#	66	34	Yes
Spain	NA	NA	NA	NA	NA	NA	Yes
Sweden	5	19	76	5	13	82	Yes
Turkey	1	91	8	2	90	8	Yes

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United Arab Emirates	1	71	28	1	62	37	No
United States	#	36	64	#	42	58	Yes
Vietnam	16	83	1	21	76	3	No

= rounds to zero; na = not applicable; NA = not available.

OECD = Organisation for Economic Co-operation and Development; TALIS = Teaching and Learning International Survey.

^a The TALIS average is the average of all education systems listed in the table, with each education system weighted equally.**Note(s):**

Lower secondary education in the United States includes grades 7–9. Mathematics and science teachers are identified through teacher reports of the subject taught in their *target class*, which is defined as the first class that teachers taught in their school after 11 a.m. Tuesday in the week before the interview. If a teacher did not teach on Tuesday, the target class can be a class taught on a day following the last Tuesday. Teachers whose target class consisted of entirely or mainly special needs students were not asked about the subject taught in their target class and therefore excluded in the table. Teachers' education is based on the 2011 International Standard Classification of Education (ISCED), which defines nine education levels: level 0 = early childhood education, level 1 = primary education, level 2 = lower secondary education, level 3 = upper secondary education, level 4 = postsecondary non-tertiary education, level 5 = short-cycle tertiary education, level 6 = bachelor's degree or equivalent education, level 7 = master's degree or equivalent education, and level 8 = doctoral degree or equivalent education. More information about ISCED 2011 is available at <http://uis.unesco.org/sites/default/files/documents/international-standard-classification-of-education-isced-2011-en.pdf>. The table does not include teachers from Belgium-Flemish and Iceland because the Belgium-Flemish data do not meet international technical standards, and Iceland does not permit secondary data analyses unless the data files are obtained directly from the country. Percentages may not add to 100% because of rounding.

Source(s):

National Center for Science and Engineering Statistics, special tabulations (2020) of the OECD, TALIS, 2018.

Science and Engineering Indicators