

### **Background of TIMSS 2023**

TIMSS 2023 was organised by the International Association for the Evaluation of Education Achievement. There were more than 60 countries or regions participating in the assessment at Grade 4 (P4 in Hong Kong) and Grade 8 (S2 in Hong Kong). The international study aims to inform the achievements in mathematics and science at these two levels and, against the background information of the participating jurisdictions collected, to find out the factors affecting the learning of mathematics and science as well as ways of improving the learning effectiveness of these two subjects.

TIMSS has been conducted in a four-year cycle since 1995, and TIMSS 2023 was the eighth round of this international study. The main study of the Hong Kong component of TIMSS 2023 was conducted from May to July in 2023. A total of 139 primary and 135 secondary schools with about 4 100 P4 students and 4 500 S2 students participated in the study.

### **P4 Students' Performance in Mathematics and Science in TIMSS 2023**

<b>P4 Mathematics</b>		<b>P4 Science</b>	
<b>Country / Region</b>	<b>Score*</b>	<b>Country / Region</b>	<b>Score*</b>
Singapore	615	Singapore	607
Chinese Taipei	607	Korea, Rep. of	583
Korea, Rep. of	594	Chinese Taipei	573
<b>Hong Kong SAR</b>	<b>594</b>	Türkiye	570
Japan	591	England	556
Macao SAR	582	Japan	555
Lithuania	561	Poland	550
Türkiye	553	Australia	550
England	552	<b>Hong Kong SAR</b>	<b>545</b>
Poland	546	Finland	542
Ireland	546	Lithuania	537
Romania	542	Macao SAR	536
Netherlands	537	Sweden	533
Latvia	534	United States	532
Norway	531	Ireland	532

<b>P4 Mathematics</b>		<b>P4 Science</b>	
<b>Country / Region</b>	<b>Score*</b>	<b>Country / Region</b>	<b>Score*</b>
Czech Republic	530	Norway	530
Sweden	530	Bulgaria	530
Bulgaria	530	Romania	526
Finland	529	Czech Republic	526
Australia	525	Slovenia	526
Germany	524	Latvia	526
Denmark	524	Hungary	524
Serbia	523	Denmark	522
Belgium (Flemish)	521	Canada	521
Hungary	520	Slovak Republic	521
Portugal	517	New Zealand	517
United States	517	Netherlands	517
Cyprus	516	Germany	515
Slovak Republic	515	Portugal	511
Slovenia	514	Italy	511
Italy	513	Serbia	510
Armenia	513	Spain	504
Albania	512	United Arab Emirates	495
Canada	504	TIMSS 2023 Average	494
TIMSS 2023 Average	503	Albania	491
Spain	498	Belgium (Flemish)	488
United Arab Emirates	498	France	488
Georgia	498	Cyprus	487
Azerbaijan	494	Belgium (French)	481
New Zealand	490	Chile	479
Belgium (French)	489	Bahrain	475
Kazakhstan	487	Qatar	472
France	484	Kazakhstan	467
Montenegro	477	Georgia	465
North Macedonia	474	Montenegro	461
Qatar	464	Armenia	457
Bahrain	462	Bosnia & Herzegovina	448
Kosovo	451	North Macedonia	439
Bosnia & Herzegovina	447	Oman	433
Chile	444	Iran, Islamic Rep. of	432

P4 Mathematics		P4 Science	
Country / Region	Score*	Country / Region	Score*
Uzbekistan	443	Saudi Arabia	428
Jordan	427	Brazil	425
Oman	421	Azerbaijan	422
Iran, Islamic Rep. of	420	Jordan	418
Saudi Arabia	420	Uzbekistan	412
Brazil	400	Kosovo	403
Morocco	393	Morocco	390
Kuwait	382	Kuwait	373
South Africa	362	South Africa	308

\* The scores are rounded to the nearest whole number.

### S2 Students' Performance in Mathematics and Science in TIMSS 2023

S2 Mathematics		S2 Science	
Country / Region	Score*	Country / Region	Score*
Singapore	605	Singapore	606
Chinese Taipei	602	Chinese Taipei	572
Korea, Rep. of	596	Japan	557
Japan	595	Korea, Rep. of	545
<b>Hong Kong SAR</b>	<b>575</b>	England	531
England	525	Finland	531
Ireland	522	Türkiye	530
Czech Republic	518	<b>Hong Kong SAR</b>	<b>528</b>
Sweden	517	Czech Republic	527
Lithuania	514	Ireland	525
Austria	512	Hungary	522
Australia	509	Sweden	521
Türkiye	509	Australia	520
Hungary	506	Lithuania	519
Finland	504	United States	513
Norway	501	Austria	512
Italy	501	Portugal	506
Malta	499	New Zealand	502
Romania	496	Malta	501
Cyprus	494	Italy	501
United Arab Emirates	489	Norway	488

<b>S2 Mathematics</b>		<b>S2 Science</b>	
<b>Country / Region</b>	<b>Score*</b>	<b>Country / Region</b>	<b>Score*</b>
United States	488	United Arab Emirates	486
Israel	487	France	486
New Zealand	485	Qatar	481
France	479	Israel	481
Azerbaijan	479	TIMSS 2023 Average	478
TIMSS 2023 Average	478	Romania	466
Portugal	475	Cyprus	464
Georgia	467	Oman	456
Kazakhstan	454	Chile	455
Qatar	451	Bahrain	452
Bahrain	426	Georgia	448
Iran, Islamic Rep. of	423	Kazakhstan	443
Uzbekistan	421	Malaysia	426
Chile	416	Brazil	420
Oman	411	Kuwait	420
Malaysia	411	Saudi Arabia	419
Kuwait	399	Iran, Islamic Rep. of	419
Saudi Arabia	397	Jordan	413
South Africa	397	Azerbaijan	411
Jordan	388	Uzbekistan	396
Palestinian Nat'l Auth.	382	Palestinian Nat'l Auth.	393
Brazil	378	South Africa	362
Morocco	378	Morocco	327
Côte d'Ivoire	263	Côte d'Ivoire	183

\* The scores are rounded to the nearest whole number.