

## **Background of PISA 2012**

PISA 2012 was conducted under the auspices of the Organization for Economic Cooperation and Development (OECD), with 65 countries / regions participating in the study. The international study aimed to assess the scientific, reading and mathematical literacy of young adults aged 15, collect data on factors that could help to explain differences in performance, and evaluate the effectiveness of the education system in each participating country / region.

Having conducted in a three-year cycle since 2000, PISA 2012 was the fifth cycle. The main study of Hong Kong PISA 2012 was conducted in April to May 2012. A total of about 5,000 students aged 15 from 148 secondary schools participated in the study.

## Ranking of Students' Reading Literacy

Reading Literacy			
PISA 2012		PISA 2009	
Country/Region	Mean Score	Country/Region	Mean Score
Shanghai-China	570	Shanghai-China	556
<b>Hong Kong-China</b>	<b>545</b>	Korea	539
Singapore	542	Finland	536
Japan	538	<b>Hong Kong-China</b>	<b>533</b>
Korea	536	Singapore	526
Finland	524	Canada	524
Ireland	523	New Zealand	521
Chinese Taipei	523	Japan	520
Canada	523	Australia	515
Poland	518	Netherlands	508
Estonia	516	Belgium	506
Liechtenstein	516	Norway	503
New Zealand	512	Estonia	501
Australia	512	Switzerland	501
Netherlands	511	Poland	500
Belgium	509	Iceland	500
Switzerland	509	United States	500
Macao-China	509	Liechtenstein	499
Vietnam	508	Sweden	497
Germany	508	Germany	497
France	505	Ireland	496
Norway	504	France	496
United Kingdom	499	Chinese Taipei	495
United States	498	Denmark	495
Denmark	496	United Kingdom	494
OECD average	496	Hungary	494
Czech Republic	493	OECD average	493
Italy	490	Portugal	489
Austria	490	Macao-China	487
Latvia	489	Italy	486
Hungary	488	Latvia	484
Spain	488	Slovenia	483
Luxembourg	488	Greece	483
Portugal	488	Spain	481
Israel	486	Czech Republic	478
Croatia	485	Slovak Republic	477
Sweden	483	Croatia	476
Iceland	483	Israel	474
Slovenia	481	Luxembourg	472
Lithuania	477	Austria	470
Greece	477	Lithuania	468
Turkey	475	Turkey	464
Russian Federation	475	Dubai (UAE)	459
Slovak Republic	463	Russian Federation	459
Cyprus	449	Chile	449
Serbia	446	Serbia	442
United Arab Emirates	442	Bulgaria	429
Chile	441	Uruguay	426
Thailand	441	Mexico	425
Costa Rica	441	Romania	424
Romania	438	Thailand	421
Bulgaria	436	Trinidad and Tobago	416
Mexico	424	Colombia	413
Montenegro	422	Brazil	412
Uruguay	411	Montenegro	408
Brazil	410	Jordan	405
Tunisia	404	Tunisia	404
Colombia	403	Indonesia	402
Jordan	399	Argentina	398
Malaysia	398	Kazakhstan	390
Indonesia	396	Albania	385
Argentina	396	Qatar	372
Albania	394	Panama	371
Kazakhstan	393	Peru	370
Qatar	388	Azerbaijan	362
Peru	384	Kyrgyzstan	314

## Ranking of Students' Mathematical Literacy

Mathematical Literacy			
PISA 2012		PISA 2009	
Country/Region	Mean Score	Country/Region	Mean Score
Shanghai-China	613	Shanghai-China	600
Singapore	573	Singapore	562
<b>Hong Kong-China</b>	<b>561</b>	<b>Hong Kong-China</b>	<b>555</b>
Chinese Taipei	560	Korea	546
Korea	554	Chinese Taipei	543
Macao-China	538	Finland	541
Japan	536	Liechtenstein	536
Liechtenstein	535	Switzerland	534
Switzerland	531	Japan	529
Netherlands	523	Canada	527
Estonia	521	Netherlands	526
Finland	519	Macao-China	525
Canada	518	New Zealand	519
Poland	518	Belgium	515
Belgium	515	Australia	514
Germany	514	Germany	513
Vietnam	511	Estonia	512
Austria	506	Iceland	507
Australia	504	Denmark	503
Ireland	501	Slovenia	501
Slovenia	501	Norway	498
Denmark	500	France	497
New Zealand	500	Slovak Republic	497
Czech Republic	499	Austria	496
France	495	OECD average	496
United Kingdom	494	Poland	495
OECD average	494	Sweden	494
Iceland	493	Czech Republic	493
Latvia	491	United Kingdom	492
Luxembourg	490	Hungary	490
Norway	489	Luxembourg	489
Portugal	487	United States	487
Italy	485	Ireland	487
Spain	484	Portugal	487
Russian Federation	482	Spain	483
Slovak Republic	482	Italy	483
United States	481	Latvia	482
Lithuania	479	Lithuania	477
Sweden	478	Russian Federation	468
Hungary	477	Greece	466
Croatia	471	Croatia	460
Israel	466	Dubai (UAE)	453
Greece	453	Israel	447
Serbia	449	Turkey	445
Turkey	448	Serbia	442
Romania	445	Azerbaijan	431
Cyprus	440	Bulgaria	428
Bulgaria	439	Romania	427
United Arab Emirates	434	Uruguay	427
Kazakhstan	432	Chile	421
Thailand	427	Thailand	419
Chile	423	Mexico	419
Malaysia	421	Trinidad and Tobago	414
Mexico	413	Kazakhstan	405
Montenegro	410	Montenegro	403
Uruguay	409	Argentina	388
Costa Rica	407	Jordan	387
Albania	394	Brazil	386
Brazil	391	Colombia	381
Argentina	388	Albania	377
Tunisia	388	Tunisia	371
Jordan	386	Indonesia	371
Colombia	376	Qatar	368
Qatar	376	Peru	365
Indonesia	375	Panama	360
Peru	368	Kyrgyzstan	331

## Ranking of Students' Scientific Literacy

Scientific Literacy			
PISA 2012		PISA 2009	
Country/Region	Mean Score	Country/Region	Mean Score
Shanghai-China	580	Shanghai-China	575
<b>Hong Kong-China</b>	<b>555</b>	Finland	554
Singapore	551	<b>Hong Kong-China</b>	<b>549</b>
Japan	547	Singapore	542
Finland	545	Japan	539
Estonia	541	Korea	538
Korea	538	New Zealand	532
Vietnam	528	Canada	529
Poland	526	Estonia	528
Canada	525	Australia	527
Liechtenstein	525	Netherlands	522
Germany	524	Chinese Taipei	520
Chinese Taipei	523	Germany	520
Netherlands	522	Liechtenstein	520
Ireland	522	Switzerland	517
Australia	521	United Kingdom	514
Macao-China	521	Slovenia	512
New Zealand	516	Macao-China	511
Switzerland	515	Poland	508
Slovenia	514	Ireland	508
United Kingdom	514	Belgium	507
Czech Republic	508	Hungary	503
Austria	506	United States	502
Belgium	505	OECD average	501
Latvia	502	Czech Republic	500
OECD average	501	Norway	500
France	499	Denmark	499
Denmark	498	France	498
United States	497	Iceland	496
Spain	496	Sweden	495
Lithuania	496	Austria	494
Norway	495	Latvia	494
Hungary	494	Portugal	493
Italy	494	Lithuania	491
Croatia	491	Slovak Republic	490
Luxembourg	491	Italy	489
Portugal	489	Spain	488
Russian Federation	486	Croatia	486
Sweden	485	Luxembourg	484
Iceland	478	Russian Federation	478
Slovak Republic	471	Greece	470
Israel	470	Dubai (UAE)	466
Greece	467	Israel	455
Turkey	463	Turkey	454
United Arab Emirates	448	Chile	447
Bulgaria	446	Serbia	443
Chile	445	Bulgaria	439
Serbia	445	Romania	428
Thailand	444	Uruguay	427
Romania	439	Thailand	425
Cyprus	438	Mexico	416
Costa Rica	429	Jordan	415
Kazakhstan	425	Trinidad and Tobago	410
Malaysia	420	Brazil	405
Uruguay	416	Colombia	402
Mexico	415	Montenegro	401
Montenegro	410	Argentina	401
Jordan	409	Tunisia	401
Argentina	406	Kazakhstan	400
Brazil	405	Albania	391
Colombia	399	Indonesia	383
Tunisia	398	Qatar	379
Albania	397	Panama	376
Qatar	384	Azerbaijan	373
Indonesia	382	Peru	369
Peru	373	Kyrgyzstan	330