

## **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.

PISA 2012 also included Computer-based Assessment (CBA) of problem solving, mathematics and reading literacy. The CBA assessment of Hong Kong PISA 2012 was also conducted in April to May 2012. A total of about 2,700 students aged 15 from 148 secondary schools participated in the study. The assessment used a computer program showing simulated and interactive scenarios to students for their searching and exploring. Students were then required to solve related problems in 40 minutes.

## Ranking of Students' Digital Reading Literacy

Digital Reading Literacy			
PISA 2012		PISA 2009	
Country/Region	Mean Score	Country/Region	Mean Score
Singapore	567	Korea	568
Korea	555	New Zealand	537
<b>Hong-Kong China</b>	<b>550</b>	Australia	537
Japan	545	Japan	519
Canada	532	<b>Hong-Kong China</b>	<b>515</b>
Shanghai-China	531	Iceland	512
Estonia	523	Sweden	510
Australia	521	Ireland	509
Ireland	520	Belgium	507
Chinese Taipei	519	Norway	500
Macao-China	515	OECD average	499
United States	511	France	494
France	511	Macao-China	492
Italy	504	Denmark	489
Belgium	502	Spain	475
Norway	500	Hungary	468
Sweden	498	Poland	464
OECD average	497	Austria	459
Denmark	495	Chile	435
Germany	494	Colombia	368
Portugal	486		
Austria	480		
Poland	477		
Slovak Republic	474		
Slovenia	471		
Spain	466		
Russian Federation	466		
Israel	461		
Chile	452		
Hungary	450		
Brazil	436		
United Arab Emirates	407		
Colombia	396		

## Ranking of Students' Computer-based Assessment of Mathematical Literacy

<b>Computer-based Assessment of Mathematical Literacy</b>	
<b>PISA 2012</b>	
Country/Region	Mean Score
Singapore	566
Shanghai-China	562
Korea	553
<b>Hong-Kong China</b>	<b>550</b>
Macao-China	543
Japan	539
Chinese Taipei	537
Canada	523
Estonia	516
Belgium	512
Germany	509
France	508
Australia	508
Austria	507
Italy	499
United States	498
Norway	498
Slovak Republic	497
OECD average	497
Denmark	496
Ireland	493
Sweden	490
Russian Federation	489
Poland	489
Portugal	489
Slovenia	487
Spain	475
Hungary	470
Israel	447
United Arab Emirates	434
Chile	432
Brazil	421
Colombia	397

## Ranking of Students' Computer-based Assessment of Problem Solving

Computer-based Assessment of Problem Solving	
PISA 2012	
Country/Region	Mean Score
Singapore	562
Korea	561
Japan	552
Macao-China	540
<b>Hong Kong-China</b>	<b>540</b>
Shanghai-China	536
Chinese Taipei	534
Canada	526
Australia	523
Finland	523
United Kingdom	517
Estonia	515
France	511
Netherlands	511
Italy	510
Czech Republic	509
Germany	509
United States	508
Belgium	508
Austria	506
Norway	503
OECD average	500
Ireland	498
Denmark	497
Portugal	494
Sweden	491
Russian Federation	489
Slovak Republic	483
Poland	481
Spain	477
Slovenia	476
Serbia	473
Croatia	466
Hungary	459
Turkey	454
Israel	454
Chile	448
Cyprus	445
Brazil	428
Malaysia	422
United Arab Emirates	411
Montenegro	407
Uruguay	403
Bulgaria	402
Colombia	399