

Science scores for specific content areas for upper grade thirteen-year-olds compared to the US mean (national percent correct in each area).

Earth Features	Earth Processes	Earth in the Universe	Diversity & Structure of Living Things
Slovenia 69.5	Ireland 66.9	Sweden 70.7	Japan 75.9
Czech Republic 67.1	England 66.7	Norway 70.1	Singapore 74.2
Hungary 67.1	Singapore 66.7	Netherlands 67.5	Hong Kong 73.4
Korea 65.3	Belgium (Fl) 65.4	Czech Republic 66.9	Korea 72.5
Singapore 64.6	Netherlands 62.5	Japan 66.7	Czech Republic 72.3
Bulgaria 63.1	Norway 62.3	Thailand 66.0	Netherlands 71.6
Ireland 62.9	Austria 61.0	Bulgaria 66.0	Bulgaria 70.4
Austria 61.8	USA 60.9	Singapore 64.9	Thailand 68.8
Belgium (Fl) 61.1	Russian Federation 60.8	Switzerland 64.8	Sweden 67.7
Slovak Republic 61.0	Canada 60.6	Slovenia 64.7	Hungary 67.1
Sweden 60.5	Sweden 60.0	Korea 64.4	Austria 66.7
Thailand 59.7	Slovenia 59.6	Slovak Republic 63.8	Australia 66.7
Russian Federation 59.2	Korea 59.0	Austria 63.6	Germany 65.7
Norway 59.2	Japan 58.5	USA 63.3	Russian Federation 65.7
Japan 59.0	Slovak Republic 58.1	Germany 62.8	Slovak Republic 65.3
England 58.7	New Zealand 57.3	Spain 62.8	Slovenia 65.1
Switzerland 58.2	Czech Republic 57.2	Australia 62.7	England 64.5
Netherlands 58.0	Australia 56.7	Belgium (Fl) 61.8	USA 63.9
Australia 57.5	Thailand 56.0	New Zealand 61.7	Canada 63.3
Germany 57.2	Switzerland 56.0	Greece 61.5	Belgium (Fl) 62.9
USA 57.1	Scotland 55.8	Canada 61.2	New Zealand 62.3
Canada 56.6	Spain 55.5	England 59.0	Iceland 61.9
Israel 56.1	France 55.0	Ireland 58.5	Spain 61.3
Spain 55.9	Israel 54.7	Hungary 58.5	International 61.3
New Zealand 55.9	Germany 53.9	Iceland 58.2	Switzerland 61.0
International 55.4	International 53.5	Hong Kong 58.0	Israel 60.4
France 55.1	Bulgaria 52.9	Israel 56.2	Belgium (Fr) 59.6
Romania 54.8	Hong Kong 52.3	International 58.2	Ireland 59.4
Hong Kong 54.1	Hungary 51.3	Russian Federation 56.9	Norway 59.2
Lithuania 52.9	Portugal 51.1	Denmark 55.9	France 58.4
Latvia 52.5	Iceland 50.1	Portugal 55.0	Scotland 57.6
Greece 52.3	Belgium (Fr) 48.5	France 52.0	Cyprus 57.5
Scotland 51.9	Denmark 48.5	Scotland 52.7	Romania 56.0
Belgium (Fr) 50.8	Cyprus 46.3	Kuwait 52.5	Lithuania 55.7
Iceland 50.1	Greece 45.3	Latvia 52.4	Denmark 55.5
Iran 49.3	Romania 44.5	Cyprus 51.7	Greece 55.3
Portugal 47.9	Latvia 43.1	Belgium (Fr) 49.3	Latvia 55.2
Cyprus 47.2	Iran 41.8	Philippines 48.3	Portugal 54.2
Denmark 45.8	Lithuania 40.5	Lithuania 48.0	Iran 50.9
Kuwait 42.1	Philippines 40.0	Iran 47.5	Kuwait 49.1
Philippines 40.6	Colombia 38.9	Romania 45.5	Colombia 48.4
Colombia 39.7	Kuwait 38.8	Colombia 38.5	Philippines 41.0
South Africa 27.2	South Africa 27.6	South Africa 28.8	South Africa 32.0

Structure of Matter	Energy & Physical Processes	Physical Changes	Chemical Changes
Bulgaria 63.0	Singapore 71.2	Japan 66.7	Singapore 73.5
Russian Federation 56.4	Japan 68.8	Singapore 63.1	Iran 67.2
Slovak Republic 54.9	Korea 67.2	Czech Republic 62.9	Bulgaria 66.6
Hungary 53.9	Bulgaria 64.7	France 61.9	Korea 65.9
Czech Republic 54.2	England 64.1	Slovenia 61.8	Hungary 65.4
Singapore 53.2	Netherlands 63.8	Israel 61.4	Austria 65.1
Greece 51.8	Austria 63.1	Sweden 61.3	Czech Republic 64.2
Romania 51.0	Czech Republic 62.3	Slovak Republic 61.2	England 63.7
Spain 51.0	Belgium (Fl) 62.2	Netherlands 61.1	Japan 63.5
Slovenia 50.0	Slovenia 61.2	Hungary 61.0	Australia 61.9
Lithuania 49.3	Australia 61.1	Norway 60.0	Russian Federation 61.8
Austria 48.7	Slovak Republic 60.9	Austria 59.4	USA 61.4
USA 48.2	Scotland 60.4	England 58.9	Slovak Republic 60.9
Israel 44.7	Hungary 60.2	Belgium (Fl) 58.7	Ireland 60.8
Sweden 42.7	New Zealand 59.9	Canada 58.5	Germany 60.7
Korea 42.1	Canada 59.9	Denmark 57.5	Israel 60.6
Japan 41.1	Hong Kong 59.5	Korea 57.3	Slovenia 60.1
Portugal 40.8	Israel 59.5	Australia 57.1	Canada 59.6
Ireland 40.1	Germany 59.3	Russian Federation 57.0	New Zealand 59.4
Hong Kong 40.0	Switzerland 58.7	Iceland 56.4	Cyprus 59.3
International 39.6	Russian Federation 58.4	Switzerland 54.0	Scotland 58.9
Australia 38.7	Ireland 58.0	Germany 53.6	Hong Kong 58.2
England 38.1	USA 57.1	Thailand 53.2	Spain 58.1
Latvia 37.8	Norway 56.6	Spain 53.1	Netherlands 57.6
Canada 37.1	Sweden 56.6	Latvia 53.0	Greece 57.2
Colombia 36.1	International 56.4	International 52.8	Sweden 57.1
Germany 35.2	Thailand 55.3	Lithuania 52.8	Portugal 56.3
New Zealand 34.5	Spain 55.2	New Zealand 52.8	International 56.5
Iran 34.0	France 54.6	Ireland 51.5	Belgium (Fl) 55.6
Scotland 31.9	Iceland 54.4	Cyprus 50.9	Switzerland 55.4
Norway 31.9	Greece 54.2	Iran 50.9	Norway 53.4
Thailand 30.6	Denmark 52.2	Belgium (Fr) 50.1	France 52.5
Cyprus 30.4	Latvia 52.1	Scotland 50.0	Latvia 52.0
Netherlands 30.0	Belgium (Fr) 51.9	USA 49.1	Thailand 50.9
France 29.4	Iran 50.6	Hong Kong 48.8	Kuwait 50.4
Philippines 28.9	Lithuania 50.2	Greece 46.1	Romania 50.3
Switzerland 28.6	Portugal 49.4	Romania 45.3	Lithuania 50.1
Kuwait 28.0	Romania 49.0	Portugal 44.2	Iceland 49.4
Belgium (Fl) 27.4	Kuwait 47.6	Bulgaria 37.2	Belgium (Fr) 46.8
Denmark 26.1	Cyprus 47.2	Kuwait 32.4	Denmark 42.5
Iceland 25.0	Philippines 41.3	Philippines 31.6	Philippines 36.1
Belgium (Fr) 24.6	Colombia 38.6	Colombia 31.0	Colombia 32.9
South Africa 22.2	South Africa 28.6	South Africa 22.1	South Africa 29.2

Significantly Higher than the US
Not Significantly Different from the US
Significantly Lower than the US

Science scores for specific content areas for upper grade thirteen-year-olds compared mean (national percent correct in each area).

Life Processes & Functions	Life Cycles & Genetics	Interactions of Living Things	Human Biology & Health	Properties & Classification of Matter
Singapore 72.3	Czech Republic 81.8	Korea 68.8	Singapore 74.0	Japan 66.6
Japan 70.4	USA 81.2	Singapore 65.6	Czech Republic 71.6	Singapore 66.6
Korea 68.2	England 80.4	Japan 65.0	Austria 71.1	Korea 65.4
Slovenia 65.2	Ireland 79.6	Thailand 64.1	Netherlands 71.2	Slovak Republic 62.4
Czech Republic 63.7	Netherlands 79.3	Hungary 63.1	Bulgaria 71.2	Bulgaria 61.6
Thailand 63.0	Israel 79.0	Australia 62.0	Japan 69.4	Czech Republic 60.4
Belgium (Fl) 62.9	Belgium (Fl) 78.9	England 61.5	Belgium (Fl) 69.3	Slovenia 58.4
Bulgaria 62.6	Canada 78.4	Norway 59.9	Hungary 68.7	Netherlands 58.3
Netherlands 60.7	Austria 78.3	Canada 58.2	England 68.3	Belgium (Fl) 57.9
Austria 60.1	Sweden 78.2	Czech Republic 57.6	Israel 67.6	Hungary 57.3
Hungary 59.9	Norway 78.1	Slovenia 57.2	Germany 67.6	Sweden 57.2
Russian Federation 59.4	Scotland 76.5	Ireland 56.0	USA 66.8	Austria 56.5
England 59.3	Korea 75.9	New Zealand 55.9	Thailand 66.5	Hong Kong 56.4
Germany 58.1	France 75.7	Netherlands 55.8	Australia 66.5	Canada 55.7
USA 58.0	Denmark 75.6	Slovak Republic 54.8	Korea 65.5	Norway 54.8
Australia 57.4	Russian Federation 75.5	USA 54.3	Ireland 65.4	Australia 54.7
Canada 57.2	Germany 75.5	Germany 52.9	Slovenia 65.3	England 54.7
Israel 57.1	Switzerland 75.1	Belgium (Fl) 52.9	Canada 65.3	Germany 54.9
Hong Kong 56.3	Japan 74.8	Spain 52.9	Sweden 63.9	Russian Federation 54.3
New Zealand 56.1	Bulgaria 74.2	Russian Federation 52.3	New Zealand 63.7	New Zealand 53.5
Ireland 56.1	Iceland 74.0	Austria 52.2	Spain 63.2	Israel 53.5
Spain 55.9	New Zealand 73.9	Sweden 52.1	Russian Federation 63.1	France 52.3
Sweden 54.9	Hungary 73.7	Romania 51.5	Scotland 62.6	International 51.6
Slovak Republic 54.8	Australia 73.0	Scotland 51.1	Norway 62.6	Ireland 51.5
International 54.5	Spain 71.1	International 51.0	Slovak Republic 62.0	Switzerland 51.1
Switzerland 54.2	Slovak Republic 71.0	Israel 50.2	Iceland 61.5	Scotland 51.0
Norway 54.2	Slovenia 70.8	Iceland 50.2	Switzerland 61.4	Denmark 50.7
France 53.8	International 70.2	Switzerland 49.8	International 61.2	USA 49.9
Romania 52.3	Lithuania 69.6	Greece 48.8	Hong Kong 59.9	Spain 49.6
Belgium (Fr) 52.0	Portugal 69.2	Denmark 48.0	Belgium (Fr) 57.4	Greece 47.9
Greece 51.5	Singapore 68.6	Latvia 47.4	Portugal 57.0	Latvia 47.9
Scotland 51.4	Belgium (Fr) 67.4	Portugal 47.3	Greece 56.9	Iceland 47.4
Iceland 50.8	Thailand 67.3	Hong Kong 46.6	Denmark 56.9	Cyprus 47.3
Portugal 50.5	Romania 66.5	Iran 45.5	Romania 56.2	Portugal 47.2
Denmark 48.4	Hong Kong 65.3	France 44.8	France 55.7	Lithuania 47.0
Latvia 47.7	Greece 61.9	Bulgaria 43.0	Latvia 53.9	Thailand 46.7
Lithuania 46.0	Latvia 61.7	Kuwait 40.3	Lithuania 52.9	Belgium (Fr) 45.4
Iran 45.4	Cyprus 59.0	Belgium (Fr) 40.0	Iran 51.8	Romania 45.0
Cyprus 44.5	Kuwait 52.4	Colombia 37.4	Cyprus 50.9	Iran 39.1
Colombia 39.5	Philippines 51.6	Lithuania 37.2	Colombia 50.2	Kuwait 36.6
Kuwait 39.2	Iran 48.9	Cyprus 37.1	Kuwait 47.9	Colombia 36.1
Philippines 36.4	Colombia 45.3	Philippines 30.0	Philippines 41.1	Philippines 29.6
South Africa 22.4	South Africa 33.7	South Africa 20.9	South Africa 28.1	South Africa 28.2

Forces & Motion	Science, Technology, & Society	Environmental & Resource Issues	Scientific Processes	
Czech Republic 78.1	Korea 74.3	Singapore 73.1	Singapore 74.6	Significantly Higher than the US
Japan 73.6	Hungary 73.3	Thailand 70.1	Korea 64.2	
Singapore 73.4	Netherlands 67.4	Ireland 67.7	Netherlands 65.2	
Netherlands 71.2	Sweden 66.9	England 67.2	Slovenia 62.9	Not Significantly Different from the US
Korea 69.6	Singapore 66.4	Australia 64.7	France 62.2	
Hong Kong 69.4	Belgium (Fl) 65.2	Netherlands 65.1	Bulgaria 62.1	
Switzerland 68.8	New Zealand 60.4	Korea 62.7	Czech Republic 60.7	Significantly Lower than the US
Hungary 68.7	Japan 60.1	Bulgaria 62.1	Australia 60.6	
Slovak Republic 68.4	Thailand 59.2	Japan 61.7	Japan 60.1	
Slovenia 68.4	Ireland 58.2	Canada 61.5	England 60.0	
England 67.6	England 57.2	New Zealand 61.4	Canada 59.2	
Sweden 67.5	Hong Kong 54.8	Scotland 60.2	USA 58.9	Significantly Lower than the US
Australia 67.2	Scotland 54.6	USA 59.9	Hungary 57.3	
Norway 67.1	Austria 53.0	Belgium (Fl) 59.7	Hong Kong 57.2	
Canada 66.3	Canada 52.5	Czech Republic 59.1	Belgium (Fl) 56.9	
Germany 66.9	Switzerland 52.5	Spain 58.6	New Zealand 56.7	
Austria 66.8	Norway 52.1	Norway 58.2	Belgium (Fr) 56.6	
New Zealand 65.6	Czech Republic 51.9	Austria 56.6	Slovak Republic 56.3	
Belgium (Fl) 65.2	Australia 51.5	Slovenia 53.7	Austria 55.4	
France 63.8	Israel 51.3	Hong Kong 53.3	Thailand 55.3	
Denmark 63.5	Slovenia 50.3	International 53.0	Scotland 54.9	
Belgium (Fr) 63.3	Iceland 50.1	Sweden 51.8	Germany 53.4	
Bulgaria 62.6	Denmark 49.6	Israel 51.6	Latvia 53.2	
Spain 62.6	International 47.9	Greece 51.6	Israel 51.8	
Lithuania 62.5	USA 47.5	Slovak Republic 50.8	Switzerland 53.3	
Ireland 62.2	Germany 47.3	Switzerland 50.3	International 53.1	
Russian Federation 62.1	Slovak Republic 46.0	Germany 50.1	Sweden 52.4	
USA 61.3	Bulgaria 44.9	Hungary 49.4	Ireland 52.1	
International 61.2	Spain 44.1	France 48.5	Norway 52.1	
Scotland 61.1	Belgium (Fr) 43.6	Iceland 47.8	Greece 51.8	
Latvia 59.1	France 42.9	Colombia 47.4	Russian Federation 51.2	
Iceland 57.7	Greece 42.4	Cyprus 47.3	Spain 49.6	
Portugal 56.2	Russian Federation 40.4	Russian Federation 46.8	Iceland 49.4	
Israel 54.9	Portugal 33.4	Portugal 45.9	Denmark 49.2	
Thailand 56.4	Kuwait 32.2	Denmark 44.9	Cyprus 48.4	
Romania 53.7	Iran 31.6	Kuwait 43.1	Portugal 47.6	
Greece 53.6	Latvia 31.2	Romania 41.9	Lithuania 44.3	
Cyprus 46.1	Romania 29.7	Latvia 41.9	Romania 42.4	
Iran 45.3	Lithuania 29.6	Iran 39.5	Philippines 37.3	
Colombia 41.7	Cyprus 29.4	Belgium (Fr) 39.2	Kuwait 37.0	
Philippines 40.3	Colombia 28.6	Philippines 37.8	Iran 36.2	
Kuwait 39.5	Philippines 22.9	Lithuania 36.0	Colombia 34.7	
South Africa 30.8	South Africa 12.4	South Africa 27.3	South Africa 23.7	