

## MEMORANDUM

November 17, 2014

TO: Terry Grier, Superintendent

FROM: Leng Fritsche, Assistant Superintendent, Student Assessment  
Carla Stevens, Assistant Superintendent, Research & Accountability

SUBJECT: **OECD Test for Schools**

CONTACT: Leng Fritsche, 713-556-6176

The following information and attachments provide additional details regarding HISD schools participating in the 2014 OECD (*Organisation for Economic Cooperation and Development*) Test for Schools (Based on PISA) and their results.

### **What is OECD Test for Schools (Based on PISA)?**

The OECD Test for Schools (also known as *PISA-Based Test for Schools*) is a student assessment tool for schools and networks of schools that supports research, benchmarking and school-improvement efforts. It assesses the extent to which 15-year-old students near the end of compulsory education have acquired some of the knowledge and skills that are essential for full participation in modern societies. Like PISA (*Programme for International Student Assessment*), it examines how well students can apply what they have learned in unfamiliar settings, both in and outside of school.

### **How were the schools selected?**

In general, the selection of schools and students is kept as inclusive as possible, so that the sample of students comes from a broad range of backgrounds and abilities. HISD began administering PISA-Based Test for Schools in February 2014 to schools that were interested in international benchmarking for the purpose of improving their student outcomes. Fifteen (15) schools in HISD participated on a volunteer basis. A random sample of 85-100 students were selected from each school. The actual number of students tested ranged from 61 to 85 at each of the participating schools.

### **What were the results for participating HISD schools?**

The attached tables (**Tables 1-3**) provide the rankings of HISD schools among all the participating international education systems, in reading, mathematics, and science. **Table 4** provides the counts of students by campus who were selected in the random sample and who actually participated in the test. **Table 5** presents the distribution of scores into proficiency levels as defined by the PISA for each of the 15 HISD schools participating along with the United States performance distribution for comparison purposes. **Table 6** provides the STAAR performance for the 15 schools in similar subjects as a point of reference. The detailed 162-page report is provided for each school and can be found at the link below:

<http://www.houstonisd.org/Page/59986>

### **The key findings from HISD data are as follows:**

- Carnegie Vanguard High School, Michael E. DeBakey High School for Health Professions, and The High School for the Performing and Visual Arts outperformed all

65 countries presented for comparison purposes in reading. These three schools along with Challenge Early College High School, East Early College High School, and the Houston Academy of International Studies outperformed the OECD average in reading.

- In math, Carnegie Vanguard High School, Michael E. DeBakey High School for Health Professions, and The High School for the Performing and Visual Arts performed in line with Shanghai-China and Singapore, and outperformed Korea and the remaining 62 countries. While the United States performed below the OECD average in math, five HISD schools (including Challenge Early College High School and East Early College High School) exceeded the OECD average.
- While Carnegie Vanguard High School and Michael E. DeBakey High School for Health Professions both outperformed the highest performing country, Shanghai-China, in science, Carnegie's average score exceed Shanghai's by 20 scale score points. The High School for the Performing and Visual Arts followed closely and outperformed Finland and the remaining 63 countries. Seven HISD schools (including Challenge Early College High School, Mirabeau B. Lamar High School, Eastwood Academy, and East Early College High School) exceeded the United States and OECD averages in science.
- 10 of the 15 HISD high schools had the same or higher percentage of students identified in the intermediate and top proficiency levels in reading than the distribution in the United States.
- In math, 9 of the 15 schools had the same or higher proficiency rate than the United States.
- In science, 12 of the 15 schools had the same or higher percentage of students in the intermediate and top proficiency levels than in the United States.

For more information on PISA-Based Test for Schools, please click here: [http://www.oecd.org/pisa/aboutpisa/oecdtestfoschoolsintheus.htm#what\\_is](http://www.oecd.org/pisa/aboutpisa/oecdtestfoschoolsintheus.htm#what_is)

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Attachment

cc: Dan Gohl  
Shonda Huery  
Veronica Mabasa

**Table 1. Average scores of 15-year-old students on PISA reading literacy scale, by education system**

| Education System                                      | Average Score | s.e.       |
|---|---------------|------------|
| Carnegie Vanguard High School                         | 589.2         |            |
| Michael E. DeBakey High School for Health Professions | 574.5         |            |
| The High School for the Performing and Visual Arts    | 565.5         |            |
| Shanghai-China  | 555.8         | 2.4        |
| Korea, Republic of                                    | 539.3         | 3.5        |
| Finland   | 535.9         | 2.3        |
| Hong Kong-China                                       | 533.2         | 2.1        |
| Singapore   | 525.9         | 1.1        |
| Canada  | 524.2         | 1.5        |
| New Zealand   | 520.9         | 2.4        |
| Japan   | 519.9         | 3.5        |
| Challenge Early College High School                   | 518.4         |            |
| Australia   | 514.9         | 2.3        |
| <b>GLN Average</b>                                    | <b>510.8</b>  | <b>1.1</b> |
| Netherlands   | 508.4         | 5.1        |
| Belgium   | 505.9         | 2.3        |
| Norway  | 503.2         | 2.6        |
| East Early College High School                        | 502.4         |            |
| Estonia   | 501.0         | 2.6        |
| Switzerland   | 500.5         | 2.4        |
| Poland  | 500.5         | 2.6        |
| Iceland   | 500.3         | 1.4        |
| <b>United States</b>                                  | <b>499.8</b>  | <b>3.7</b> |
| Liechtenstein   | 499.3         | 2.8        |

| Education System                                     | Average Score | s.e.       |
|--|---------------|------------|
| Sweden   | 497.4         | 2.9        |
| Germany  | 497.3         | 2.7        |
| Ireland  | 495.6         | 3.0        |
| France   | 495.6         | 3.4        |
| Chinese Taipei                                       | 495.2         | 2.6        |
| Denmark  | 494.9         | 2.1        |
| Houston Academy for International Studies            | 494.8         |            |
| United Kingdom                                       | 494.2         | 2.3        |
| Hungary  | 494.2         | 3.2        |
| <b>OECD Average</b>                                  | <b>493.4</b>  | <b>0.5</b> |
| Portugal   | 489.3         | 3.1        |
| Eastwood Academy                                     | 489.1         |            |
| Macao-China  | 486.6         | 0.9        |
| Italy  | 486.1         | 1.6        |
| Mirabeau B. Lamar High School                        | 485.2         |            |
| Latvia   | 484.0         | 3.0        |
| Slovenia   | 483.1         | 1.0        |
| Greece   | 482.8         | 4.3        |
| Spain  | 481.0         | 2.0        |
| High School for Law Enforcement and Criminal Justice | 478.7         |            |
| Czech Republic                                       | 478.2         | 2.9        |
| Slovak Republic                                      | 477.4         | 2.5        |
| Croatia  | 475.7         | 2.9        |
| Israel   | 474.0         | 3.6        |

| Education System                        | Average Score | s.e. |
|---|---------------|------|
| Luxembourg                              | 472.2         | 1.3  |
| Austria                                 | 470.3         | 2.9  |
| Lithuania                               | 468.4         | 2.4  |
| North Houston Early College High School | 468.3         |      |
| John H. Reagan High School              | 468.1         |      |
| Turkey                                  | 464.2         | 3.5  |
| Dubai (UAE)                             | 459.4         | 1.1  |
| Russian Federation                      | 459.4         | 3.3  |
| Jane Long Academy                       | 453.3         |      |
| Chile                                   | 449.4         | 3.1  |
| Sharpstown International School         | 442.4         |      |
| Serbia                                  | 442.0         | 2.4  |
| Bulgaria                                | 429.1         | 6.7  |
| Uruguay                                 | 425.8         | 2.6  |
| Mexico                                  | 425.3         | 2.0  |
| Romania                                 | 424.5         | 4.1  |
| Barbara Jordan High School for Careers  | 423.5         |      |

| Education System            | Average Score | s.e. |
|-----------------------------|---------------|------|
| Thailand                    | 421.4         | 2.6  |
| Cesar E. Chavez High School | 420.9         |      |
| Trinidad and Tobago         | 416.5         | 1.2  |
| Colombia                    | 413.2         | 3.7  |
| Brazil                      | 411.8         | 2.7  |
| Montenegro                  | 407.5         | 1.7  |
| Jordan                      | 405.0         | 3.3  |
| Tunisia                     | 403.6         | 2.9  |
| Indonesia                   | 401.7         | 3.7  |
| Argentina                   | 398.3         | 4.6  |
| Kazakhstan                  | 390.4         | 3.1  |
| Albania                     | 384.8         | 4.0  |
| Qatar                       | 371.7         | 0.8  |
| Panama                      | 370.7         | 6.5  |
| Peru                        | 369.7         | 4.0  |
| Azerbaijan                  | 361.5         | 3.3  |
| Kyrgyzstan                  | 314.0         | 3.2  |

NOTE: Education systems are ordered by average score. The individual schools included in this table were participants in the OECD Test for Schools (based on PISA), 2013-14 school year. The Global Learning Network (GLN) average is the average of the average scores of the 146 participating schools for which we had access to their data, with each school weighted equally. The OECD average is the average of the average scores of the 34 OECD countries that participated in PISA 2009, with each country weighted equally. Scores are reported on a scale from 0 to 1,000. Differences between a GLN school's score and the scores for the PISA-participating countries, OECD average, and GLN average are tested at the .05 level of statistical significance. Some apparent differences between average scores may not be statistically significant due to the relatively large margin of error surrounding the estimate for a GLN school.

**SOURCE: Organization for Economic Cooperation and Development (OECD), Test for Schools (based on PISA), 2013-14 school year. Organization for Economic Cooperation and Development (OECD), Program for International Student Assessment (PISA), 2009.**

**Table 2. Average scores of 15-year-old students on PISA mathematics literacy scale, by education system**

| Education System                                      | Average Score | s.e.       |
|---|---------------|------------|
| Carnegie Vanguard High School                         | 609.2         |            |
| Shanghai-China  | 600.1         | 2.8        |
| Michael E. DeBakey High School for Health Professions | 598.8         |            |
| Singapore   | 562.0         | 1.4        |
| The High School for the Performing and Visual Arts    | 560.2         |            |
| Hong Kong-China                                       | 554.5         | 2.7        |
| Korea, Republic of                                    | 546.2         | 4.0        |
| Chinese Taipei  | 543.2         | 3.4        |
| Finland   | 540.5         | 2.2        |
| Liechtenstein   | 536.0         | 4.1        |
| Switzerland   | 534.0         | 3.3        |
| Japan   | 529.0         | 3.3        |
| Canada  | 526.8         | 1.6        |
| Netherlands   | 525.8         | 4.7        |
| Macao-China   | 525.3         | 0.9        |
| New Zealand   | 519.3         | 2.3        |
| Belgium   | 515.3         | 2.3        |
| Australia   | 514.3         | 2.5        |
| Germany   | 512.8         | 2.9        |
| Estonia   | 512.1         | 2.6        |
| Challenge Early College High School                   | 510.9         |            |
| <b>GLN Average</b>                                    | <b>507.8</b>  | <b>1.1</b> |
| Iceland   | 506.7         | 1.4        |
| Denmark   | 503.3         | 2.6        |

| Education System                        | Average Score | s.e.       |
|---|---------------|------------|
| Slovenia                                | 501.5         | 1.2        |
| Norway                                  | 498.0         | 2.4        |
| East Early College High School          | 497.3         |            |
| France                                  | 496.8         | 3.1        |
| Slovak Republic                         | 496.7         | 3.1        |
| Austria                                 | 495.9         | 2.7        |
| <b>OECD Average</b>                     | <b>495.7</b>  | <b>0.5</b> |
| Poland                                  | 494.8         | 2.8        |
| Sweden                                  | 494.2         | 2.9        |
| Czech Republic                          | 492.8         | 2.8        |
| United Kingdom                          | 492.4         | 2.4        |
| Eastwood Academy                        | 492.0         |            |
| Hungary                                 | 490.2         | 3.5        |
| Luxembourg                              | 489.1         | 1.2        |
| <b>United States</b>                    | <b>487.4</b>  | <b>3.6</b> |
| Ireland                                 | 487.1         | 2.5        |
| Portugal                                | 486.9         | 2.9        |
| Spain                                   | 483.5         | 2.1        |
| Italy                                   | 482.9         | 1.9        |
| Mirabeau B. Lamar High School           | 482.2         |            |
| Latvia                                  | 482.0         | 3.1        |
| Lithuania                               | 476.6         | 2.6        |
| North Houston Early College High School | 473.7         |            |
| John H. Reagan High School              | 469.0         |            |

| Education System                                     | Average Score | s.e. |
|--|---------------|------|
| Russian Federation                                   | 467.8         | 3.3  |
| Greece   | 466.1         | 3.9  |
| Houston Academy for International Studies            | 462.1         |      |
| Croatia  | 459.9         | 3.1  |
| High School for Law Enforcement and Criminal Justice | 458.2         |      |
| Dubai (UAE)  | 452.5         | 1.1  |
| Jane Long Academy                                    | 452.2         |      |
| Sharpstown International School                      | 451.9         |      |
| Israel   | 446.9         | 3.3  |
| Turkey   | 445.5         | 4.4  |
| Serbia   | 442.4         | 2.9  |
| Azerbaijan   | 431.0         | 2.8  |
| Bulgaria   | 428.1         | 5.9  |
| Romania  | 427.1         | 3.4  |
| Uruguay  | 426.7         | 2.6  |
| Chile  | 421.1         | 3.1  |
| Thailand   | 418.6         | 3.2  |

| Education System                       | Average Score | s.e. |
|--|---------------|------|
| Mexico                                 | 418.5         | 1.8  |
| Cesar E. Chavez High School            | 416.3         |      |
| Trinidad and Tobago                    | 414.0         | 1.3  |
| Kazakhstan                             | 404.9         | 3.0  |
| Montenegro                             | 402.5         | 2.0  |
| Barbara Jordan High School for Careers | 401.5         |      |
| Argentina                              | 388.1         | 4.1  |
| Jordan                                 | 386.7         | 3.7  |
| Brazil                                 | 385.8         | 2.4  |
| Colombia                               | 380.8         | 3.2  |
| Albania                                | 377.5         | 4.0  |
| Tunisia                                | 371.5         | 3.0  |
| Indonesia                              | 371.3         | 3.7  |
| Qatar                                  | 368.1         | 0.7  |
| Peru                                   | 365.1         | 4.0  |
| Panama                                 | 359.7         | 5.2  |
| Kyrgyzstan                             | 331.2         | 2.9  |

NOTE: Education systems are ordered by average score. The individual schools included in this table were participants in the OECD Test for Schools (based on PISA), 2013-14 school year. The Global Learning Network (GLN) average is the average of the average scores of the 146 participating schools for which we had access to their data, with each school weighted equally. The OECD average is the average of the average scores of the 34 OECD countries that participated in PISA 2009, with each country weighted equally. Scores are reported on a scale from 0 to 1,000. Differences between a GLN school's score and the scores for the PISA-participating countries, OECD average, and GLN average are tested at the .05 level of statistical significance. Some apparent differences between average scores may not be statistically significant due to the relatively large margin of error surrounding the estimate for a GLN school

**SOURCE: Organization for Economic Cooperation and Development (OECD), Test for Schools (based on PISA), 2013-14 school year. Organization for Economic Cooperation and Development (OECD), Program for International Student Assessment (PISA), 2009.**

**Table 3. Average scores of 15-year-old students on PISA science literacy scale, by education system**

| Education System                                      | Average Score | s.e.       |
|---|---------------|------------|
| Carnegie Vanguard High School                         | 594.5         |            |
| Michael E. DeBakey High School for Health Professions | 579.7         |            |
| Shanghai-China  | 574.6         | 2.3        |
| The High School for the Performing and Visual Arts    | 560.9         |            |
| Finland   | 554.1         | 2.3        |
| Hong Kong-China                                       | 549.0         | 2.8        |
| Singapore   | 541.7         | 1.4        |
| Japan   | 539.4         | 3.4        |
| Korea, Republic of                                    | 538.0         | 3.4        |
| New Zealand   | 532.0         | 2.6        |
| Canada  | 528.7         | 1.6        |
| Estonia   | 527.8         | 2.7        |
| Australia   | 527.3         | 2.5        |
| Challenge Early College High School                   | 523.6         |            |
| Netherlands   | 522.2         | 5.4        |
| <b>GLN Average</b>                                    | <b>521.9</b>  | <b>1.0</b> |
| Chinese Taipei  | 520.4         | 2.6        |
| Germany   | 520.4         | 2.8        |
| Liechtenstein   | 519.9         | 3.4        |
| Switzerland   | 516.6         | 2.8        |
| United Kingdom  | 513.7         | 2.5        |
| Slovenia  | 511.8         | 1.1        |
| Macao-China   | 511.1         | 1.0        |
| Mirabeau B. Lamar High School                         | 510.8         |            |

| Education System                          | Average Score | s.e.       |
|---|---------------|------------|
| Eastwood Academy                          | 510.6         |            |
| Poland                                    | 508.1         | 2.4        |
| Ireland                                   | 508.0         | 3.3        |
| Belgium                                   | 506.6         | 2.5        |
| East Early College High School            | 504.2         |            |
| Hungary                                   | 502.6         | 3.1        |
| <b>United States</b>                      | <b>502.0</b>  | <b>3.6</b> |
| <b>OECD Average</b>                       | <b>500.8</b>  | <b>0.5</b> |
| Czech Republic                            | 500.5         | 3.0        |
| Norway                                    | 499.9         | 2.6        |
| Denmark                                   | 499.3         | 2.5        |
| France                                    | 498.2         | 3.6        |
| Iceland                                   | 495.6         | 1.4        |
| Sweden                                    | 495.1         | 2.7        |
| Austria                                   | 494.3         | 3.2        |
| Latvia                                    | 493.9         | 3.1        |
| Portugal                                  | 493.0         | 2.9        |
| Lithuania                                 | 491.4         | 2.9        |
| Slovak Republic                           | 490.3         | 3.0        |
| Italy                                     | 488.8         | 1.8        |
| Spain                                     | 488.3         | 2.1        |
| Houston Academy for International Studies | 486.8         |            |
| Croatia                                   | 486.4         | 2.8        |
| John H. Reagan High School                | 485.1         |            |

| Education System                                     | Average Score | s.e. |
|--|---------------|------|
| Luxembourg   | 483.9         | 1.2  |
| High School for Law Enforcement and Criminal Justice | 478.6         |      |
| Russian Federation                                   | 478.3         | 3.3  |
| North Houston Early College High School              | 476.6         |      |
| Sharpstown International School                      | 471.2         |      |
| Greece   | 470.1         | 4.0  |
| Dubai (UAE)  | 466.5         | 1.2  |
| Jane Long Academy                                    | 463.1         |      |
| Israel   | 454.9         | 3.1  |
| Turkey   | 453.9         | 3.6  |
| Chile  | 447.5         | 2.9  |
| Cesar E. Chavez High School                          | 444.9         |      |
| Serbia   | 442.8         | 2.4  |
| Bulgaria   | 439.3         | 5.9  |
| Barbara Jordan High School for Careers               | 431.7         |      |
| Romania  | 428.2         | 3.4  |
| Uruguay  | 427.2         | 2.6  |

| Education System    | Average Score | s.e. |
|---------------------|---------------|------|
| Thailand            | 425.3         | 3.0  |
| Mexico              | 415.9         | 1.8  |
| Jordan              | 415.4         | 3.5  |
| Trinidad and Tobago | 410.2         | 1.2  |
| Brazil              | 405.4         | 2.4  |
| Colombia            | 401.8         | 3.6  |
| Montenegro          | 401.3         | 2.0  |
| Argentina           | 400.8         | 4.6  |
| Tunisia             | 400.7         | 2.7  |
| Kazakhstan          | 400.4         | 3.1  |
| Albania             | 390.7         | 3.9  |
| Indonesia           | 382.6         | 3.8  |
| Qatar               | 379.4         | 0.9  |
| Panama              | 375.9         | 5.7  |
| Azerbaijan          | 373.2         | 3.1  |
| Peru                | 369.4         | 3.5  |
| Kyrgyzstan          | 329.5         | 2.9  |

NOTE: Education systems are ordered by average score. The individual schools included in this table were participants in the OECD Test for Schools (based on PISA), 2013-14 school year. The Global Learning Network (GLN) average is the average of the average scores of the 146 participating schools for which we had access to their data, with each school weighted equally. The OECD average is the average of the average scores of the 34 OECD countries that participated in PISA 2009, with each country weighted equally. Scores are reported on a scale from 0 to 1,000. Differences between a GLN school's score and the scores for the PISA-participating countries, OECD average, and GLN average are tested at the .05 level of statistical significance. Some apparent differences between average scores may not be statistically significant due to the relatively large margin of error surrounding the estimate for a GLN school

**SOURCE: Organization for Economic Cooperation and Development (OECD), Test for Schools (based on PISA), 2013-14 school year. Organization for Economic Cooperation and Development (OECD), Program for International Student Assessment (PISA), 2009.**



**Table 4. Sample Size and Actual Participation Rates by Campus**

| School Name  | Student Sample | Number of students tested |
|--|----------------|---------------------------|
| Carnegie Vanguard High School                        | 85             | 78                        |
| Challenge Early College High School                  | 85             | 83                        |
| Chavez High School                                   | 100            | 66                        |
| DeBakey High School for Health Professions           | 85             | 84                        |
| East Early College High School                       | 100            | 94                        |
| Eastwood Academy                                     | 85             | 81                        |
| High School for Law Enforcement and Criminal Justice | 85             | 63                        |
| High School for the Performing and Visual Arts       | 85             | 73                        |
| Houston Academy for International Studies            | 90             | 61                        |
| Jordan High School for Careers                       | 85             | 74                        |
| Lamar High School                                    | 85             | 79                        |
| North Houston Early College High School              | 85             | 83                        |
| Reagan High School                                   | 100            | 78                        |
| Sharpstown International School                      | 85             | 81                        |

| Table 5. Percentage of Students at Levels of Proficiency (Top, Intermediate, and Below) and Standard Error (S.E) by Campus |           |     |           |     |           |     |             |     |           |     |           |     |          |     |           |     |           |     |
|--|-----------|-----|-----------|-----|-----------|-----|-------------|-----|-----------|-----|-----------|-----|----------|-----|-----------|-----|-----------|-----|
| Campus   | READING   |     |           |     |           |     | MATHEMATICS |     |           |     |           |     | SCIENCE  |     |           |     |           |     |
|  | Top       |     | Intermed. |     | Below     |     | Top         |     | Intermed. |     | Below     |     | Top      |     | Intermed. |     | Below     |     |
|  | %         | SE  | %         | SE  | %         | SE  | %           | SE  | %         | SE  | %         | SE  | %        | SE  | %         | SE  | %         | SE  |
| Carnegie Vanguard  | 23        | 4.8 | 77        | 4.8 | 0         | 0   | 51          | 5.4 | 49        | 5.4 | 0         | 0   | 17       | 4.6 | 83        | 4.6 | 0         | 0   |
| Challenge  | 2         | 1.7 | 95        | 2.4 | 2         | 1.7 | 10          | 3.0 | 81        | 4.2 | 10        | 3.4 | 1        | 1.2 | 96        | 2.1 | 2         | 1.7 |
| Chavez HS  | 0         | 0   | 50        | 6.3 | 50        | 6.3 | 2           | 1.5 | 47        | 5.0 | 52        | 4.8 | 0        | 0   | 71        | 5.4 | 29        | 5.4 |
| DeBaKey HS   | 15        | 4.0 | 83        | 4.1 | 1         | 1.2 | 50          | 4.8 | 49        | 4.9 | 1         | 1.2 | 15       | 4.0 | 85        | 4.0 | 0         | 0   |
| East Early College   | 3         | 1.8 | 88        | 3.5 | 9         | 3.0 | 5           | 2.4 | 79        | 3.7 | 16        | 3.8 | 0        | 0   | 97        | 1.8 | 3         | 1.8 |
| Eastwood Academy   | 2         | 1.8 | 93        | 3.0 | 5         | 2.5 | 5           | 1.8 | 80        | 4.0 | 15        | 3.6 | 0        | 0   | 98        | 2.1 | 2         | 2.1 |
| HAIS   | 0         | 0   | 92        | 3.5 | 8         | 3.5 | 2           | 1.6 | 74        | 5.3 | 25        | 5.1 | 0        | 0   | 89        | 4.3 | 11        | 4.3 |
| HSLECJ   | 0         | 0   | 92        | 2.8 | 8         | 2.8 | 2           | 1.6 | 70        | 6.5 | 29        | 6.4 | 0        | 0   | 89        | 4.1 | 11        | 4.1 |
| HSPVA  | 16        | 3.4 | 79        | 4.0 | 4         | 2.2 | 32          | 4.9 | 66        | 5.3 | 3         | 1.9 | 11       | 3.9 | 88        | 4.1 | 1         | 1.4 |
| Jordan HS  | 0         | 0   | 61        | 4.9 | 39        | 4.9 | 0           | 0   | 44        | 5.4 | 56        | 5.4 | 0        | 0   | 68        | 5.1 | 32        | 5.1 |
| Lamar HS   | 5         | 2.5 | 78        | 4.8 | 16        | 4.1 | 8           | 3.1 | 71        | 5.7 | 22        | 4.8 | 1        | 1.3 | 94        | 2.0 | 5         | 1.6 |
| Long Academy   | 0         | 0   | 72        | 4.5 | 28        | 4.5 | 4           | 2.4 | 67        | 6.0 | 29        | 6.8 | 0        | 0   | 82        | 4.7 | 18        | 4.7 |
| North Early College  | 1         | 1.2 | 83        | 4.2 | 16        | 4.0 | 2           | 1.7 | 82        | 4.4 | 16        | 4.1 | 0        | 0   | 84        | 3.9 | 16        | 3.9 |
| Reagan   | 3         | 1.8 | 72        | 4.1 | 26        | 3.6 | 4           | 2.2 | 68        | 5.3 | 28        | 4.8 | 0        | 0   | 86        | 3.9 | 14        | 3.9 |
| Sharpstown Intern'l  | 0         | 0   | 67        | 5.0 | 33        | 5.0 | 2           | 1.8 | 59        | 5.6 | 38        | 5.3 | 0        | 0   | 80        | 5.1 | 20        | 5.1 |
| <b>United States</b>   | <b>10</b> |     | <b>73</b> |     | <b>18</b> |     | <b>10</b>   |     | <b>66</b> |     | <b>23</b> |     | <b>9</b> |     | <b>73</b> |     | <b>18</b> |     |

OECD Tests for Schools (based on PISA) for 2013-2014; Green exceeds United State performance, yellow is the same is the United States performance.

## Performance Levels

### Reading

Students at the highest levels of reading proficiency are capable of critically evaluating unfamiliar texts and building hypotheses about them, drawing on specialized knowledge and accommodating concepts that may be contrary to expectations. PISA has defined a baseline level of reading proficiency, at which students begin to demonstrate the reading competencies that will enable them to participate effectively and productively in life.

### Math

The mathematics part of the assessment measures students' capacity to formulate, employ and interpret mathematics in a variety of contexts. Top performers in mathematics are capable of developing and working with models in complex situations, identifying constraints and specifying assumptions. Students who perform at the baseline level of proficiency in mathematics can employ basic algorithms, formulae, procedures or conventions and they can interpret and recognize situations in contexts that require no more than direct inference.

### Science

The science part of the assessment measures students' capacity to identify scientific issues, explain phenomena scientifically and use scientific evidence as they encounter, interpret, solve and make decisions in life situations that involve science and technology. Students at the highest levels of science proficiency can apply both scientific concepts and knowledge about science to complex life situations. They are able to compare, select and evaluate appropriate scientific evidence for responding to these situations. At the baseline level of proficiency in science, students begin to demonstrate the competencies that will enable them to participate actively in life situations related to science and technology. Students at this level have adequate scientific knowledge to provide possible explanations in familiar contexts or to draw conclusions based on simple investigations.

**Table 6. STAAR EOC Assessment Performance Results for Select Schools (2014, 1st Administration, STAAR Regular Only)**

| Campus              | Algebra I |             |             |             |       | Biology |             |             |             |       | English I |             |             |             |       | English II |             |             |             |       | U.S. History |             |             |             |       |
|---------------------|-----------|-------------|-------------|-------------|-------|---------|-------------|-------------|-------------|-------|-----------|-------------|-------------|-------------|-------|------------|-------------|-------------|-------------|-------|--------------|-------------|-------------|-------------|-------|
|                     | N         | % Uns (PH1) | % Sat (PH1) | % Sat (Rec) | % Adv | N       | % Uns (PH1) | % Sat (PH1) | % Sat (REC) | % Adv | N         | % Uns (PH1) | % Sat (PH1) | % Sat (REC) | % Adv | N          | % Uns (PH1) | % Sat (PH1) | % Sat (REC) | % Adv | N            | % Uns (PH1) | % Sat (PH1) | % Sat (REC) | % Adv |
| Carnegie HS         | 32        | 0           | 100         | 78          | 53    | 167     | 0           | 100         | 99          | 60    | 172       | 0           | 100         | 98          | 46    | 173        | 0           | 100         | 99          | 36    | 140          | 0           | 100         | 99          | 66    |
| Challenge EC HS     | 56        | 0           | 100         | 64          | 14    | 117     | 0           | 100         | 97          | 35    | 122       | 2           | 98          | 89          | 18    | 120        | 1           | 99          | 93          | 20    | 105          | 0           | 100         | 90          | 51    |
| Chavez HS           | 754       | 32          | 68          | 23          | 7     | 805     | 20          | 80          | 31          | 4     | 1,148     | 53          | 47          | 25          | 2     | 878        | 50          | 50          | 26          | 1     | 686          | 17          | 83          | 28          | 5     |
| DeBaKey HS          | 22        | 0           | 100         | 100         | 68    | 208     | 0           | 100         | 99          | 69    | 231       | 0           | 100         | 99          | 66    | 212        | 0           | 100         | 98          | 52    | 198          | 0           | 100         | 96          | 75    |
| East EC HS          | 68        | 1           | 99          | 75          | 32    | 120     | 0           | 100         | 81          | 11    | 126       | 2           | 98          | 84          | 11    | 117        | 3           | 97          | 77          | 11    | 110          | 0           | 100         | 67          | 15    |
| Eastwood Acad HS    | 67        | 0           | 100         | 88          | 48    | 115     | 0           | 100         | 59          | 1     | 118       | 3           | 97          | 84          | 9     | 95         | 4           | 96          | 85          | 18    | 109          | 1           | 99          | 69          | 32    |
| HAIS HS             | 85        | 9           | 91          | 61          | 26    | 114     | 3           | 97          | 61          | 5     | 122       | 13          | 87          | 61          | 3     | 117        | 7           | 93          | 73          | 4     | 103          | 2           | 98          | 49          | 14    |
| HSPVA               | 58        | 0           | 100         | 64          | 26    | 181     | 0           | 100         | 97          | 46    | 184       | 1           | 99          | 95          | 57    | 178        | 1           | 99          | 92          | 36    | 173          | 0           | 100         | 84          | 35    |
| Jordan HS           | 156       | 13          | 87          | 24          | 7     | 193     | 8           | 92          | 40          | 3     | 230       | 28          | 72          | 42          | 2     | 251        | 29          | 71          | 40          | 1     | 185          | 3           | 97          | 53          | 18    |
| Lamar HS            | 507       | 11          | 89          | 39          | 11    | 719     | 5           | 95          | 61          | 12    | 845       | 21          | 79          | 58          | 9     | 710        | 20          | 80          | 62          | 6     | 802          | 4           | 96          | 66          | 26    |
| LECJ HS             | 65        | 9           | 91          | 40          | 11    | 105     | 5           | 95          | 59          | 11    | 121       | 18          | 82          | 59          | 15    | 158        | 12          | 88          | 68          | 6     | 115          | 1           | 99          | 47          | 10    |
| Long Acad           | 77        | 8           | 92          | 49          | 19    | 72      | 8           | 92          | 43          | 4     | 94        | 39          | 61          | 23          | 0     | 72         | 40          | 60          | 29          | 0     |              |             |             |             |       |
| North Houston EC HS | 60        | 0           | 100         | 83          | 47    | 125     | 0           | 100         | 85          | 20    | 125       | 2           | 98          | 78          | 7     | 108        | 14          | 86          | 68          | 3     | 84           | 0           | 100         | 68          | 12    |
| Reagan HS           | 448       | 17          | 83          | 37          | 9     | 547     | 7           | 93          | 48          | 6     | 664       | 33          | 67          | 44          | 2     | 622        | 31          | 69          | 46          | 3     | 456          | 8           | 92          | 38          | 7     |
| Sharpstown Intern'l | 147       | 4           | 96          | 74          | 34    | 144     | 3           | 97          | 67          | 17    | 181       | 29          | 71          | 40          | 4     | 160        | 24          | 76          | 39          | 2     | 101          | 6           | 94          | 62          | 27    |

*Research and Accountability*