EXECUTIVE SUMMARY

The Board of Education (Board) Data Retreat will allow for the sharing of current and longitudinal data as well as provide an opportunity for Board members and the community to engage with Hawaii Department of Education (Department) data sets. In an effort to focus data towards improvement of Department programs and practices, the Board Data Retreat discussions will center around key inquiry questions. Department Cabinet members will address these key questions by presenting data as related to the Department’s strategic planning initiatives. The majority of time will be spent in discussion about the data sets, where participants will contribute by asking questions and furthering the dialogue around the key inquiry topics.

Board Chair Payne and Superintendent Kishimoto will facilitate conversations amongst Board members around Inquiry Question One, “How well are our students performing academically?” An overview of statewide academic performance data will be presented along with more in-depth analysis of specific areas of student proficiency.

DESCRIPTION

The Board Data Retreat presentation opens with Inquiry Question One, which focuses on the academic performance of students. The presentation includes correlational data around disadvantaged status and proficiency, as well as correlational data in the subject areas of English Language Arts, Math, and Science. Also included are data about third grade literacy, chronic absenteeism, and disengaged youth.

CMK:kh
Attachments: Presentation for Data Retreat, Student Academic Performance
Appendix for Inquiry 1
Hawai‘i State Board of Education

DATA RETREAT
Thursday, November 7, 2019

IV. Presentation on Inquiry 1: How well are our students performing academically?
Hawai‘i DOE at a Glance

293 PUBLIC SCHOOLS
- 256 HIDOE, 37 charter
- 174 elementary, 41 middle, 34 high, 44 mixed grades
- 55 military-impacted schools
- 24 DOE schools that offer Pre-K (10 more coming SY 2020-21)

179,331 STUDENTS
- 167,454 in HIDOE schools
- 11,877 in charter schools

22,000 FULL-TIME EMPLOYEES
with another 10,000 substitutes and casual employees
2019 Strive HI Statewide Snapshot

How are students performing in each subject?

State assessments measure the percent of students meeting the standard/who are proficient.

<table>
<thead>
<tr>
<th>Subject</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>51%</td>
<td>55%</td>
<td>54%</td>
</tr>
<tr>
<td>Math</td>
<td>43%</td>
<td>43%</td>
<td>43%</td>
</tr>
<tr>
<td>Science</td>
<td>46%</td>
<td>46%</td>
<td>44%</td>
</tr>
</tbody>
</table>

How are student subgroups performing?

High Needs: English learners, economically disadvantaged, and students receiving special education services.
Non-High Needs: All other students.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Non-High Needs</th>
<th>High Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>72%</td>
<td>38%</td>
</tr>
<tr>
<td>Math</td>
<td>59%</td>
<td>30%</td>
</tr>
</tbody>
</table>

Achievement gap:

- Language Arts: 34 points
- Math: 29 points

How many students are prepared for transition?

- 75% of 3rd graders read near, at, or above grade level
- 71% of 8th graders read near, at, or above grade level
- 91% of 9th grade students were promoted to 10th grade on-time
- 56% of students completed a Career & Technical Education program by 12th grade
- 84% of students graduated on-time
- 55% of students enrolled in postsecondary institutions the fall after graduation

*2019 result is based on the NGSS bridge test.
2019 National Assessment for Educational Progress (NAEP) Results

NAEP Reading Grade 4
Hawaii vs. National Public (Average Scale Scores)

NAEP Reading Grade 4 for English Learners
Hawaii vs. National Public (Average Scale Scores)

NAEP 10-Year Change (Average Scale Scores)

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading Grade 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hawaii</td>
<td>220</td>
<td>211</td>
</tr>
<tr>
<td>National Public</td>
<td>220</td>
<td>218</td>
</tr>
<tr>
<td>Difference</td>
<td>+7</td>
<td></td>
</tr>
<tr>
<td>Reading Grade 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hawaii</td>
<td>211</td>
<td>218</td>
</tr>
<tr>
<td>National Public</td>
<td>214</td>
<td>217</td>
</tr>
<tr>
<td>Difference</td>
<td>+3</td>
<td></td>
</tr>
</tbody>
</table>

Statistically significant increases

SOURCE: 2019 NAEP
ELA Proficiency and Percentage of Disadvantaged Students by School

SOURCE: Strive HI 2018-2019 Results
Math Proficiency and Percentage of Disadvantaged Students by School

- Kalihi Uka Elementary: Low SES: 74%, Proficiency: 67%
- Pauoa Elementary: Low SES: 58%, Proficiency: 77%
- Lā‘ie Elementary: Low SES: 54%, Proficiency: 79%

Math Proficiency and Percentage of Disadvantaged Students

SOURCE: Strive HI 2018-2019 Results
Science Proficiency and Percentage of Disadvantaged Students by School

Ka‘ala Elementary
Low SES: 85%, Proficiency: 69%

Kalihi Uka Elementary
Low SES: 74%, Proficiency: 91%

Hale‘iwa Elementary
Low SES: 59%, Proficiency: 100%

SOURCE: Strive HI 2018-2019 Results
3rd Grade Literacy Cohort Analysis
Includes only those students who took 3rd Grade ELA SBA in SY 2017-18 AND took 4th Grade ELA SBA in SY 2018-19

3rd Grade Reading Claim
SY 2017-18

- **At/Near or Above**: 72% (n=7,386)
- **Below**: 28% (n=2,832)

4th Grade Reading Claim
SY 2018-19

- **At/Near or Above**: 72% (n=7,398)
- **Below**: 28% (n=2,811)

The 1,046 students who went from **Below** in 3rd Grade to **At/Near or Above** in 4th Grade

The 1,777 students who went from **Below** in 3rd Grade to **Below** in 4th Grade

**SOURCE:** Strive HI 2018-2019 Results
Chronic Absenteeism Correlation with Student Proficiency

15% Statewide Chronic Absenteeism (2019)

15% Statewide Average (2019)
43% Math Statewide Average (2019)
44% Science Statewide Average (2019)

SOURCE: Strive HI 2018-2019 Results
Disengaged Youth Ages 16-19

Youth who are not enrolled in school (full- or part-time) and not employed (full- or part-time) by age groups 16 to 19.

- 11% — 7,000 youths
- 9% — 6,000 youths
- 10% — 6,000 youths
- 10% — 6,000 youths
- 8% — 5,000 youths
- 6% — 4,000 youths
- 9% — 6,000 youths

About 250 students (0.1% of enrollment) are serviced by Title I, Part D programs in the Hawaii State Department of Public Safety (DPS) and the Hawaii State Department of Human Services’ (DHS) Hawaii Youth Correctional Facility (HYCF).

Hawaii Retention: Elementary
- 2011: <.5%
- 2012: <.5%
- 2013: <.5%
- 2014: <.5%

Middle/Intermediate
- 2011: 1.0%
- 2012: .9%
- 2013: .9%
- 2014: .8%

SOURCE: National KIDSCOUNT / Hawai‘i Green Growth Education Indicator (link) and Hawaii Public Schools Data Book (link) and ESSA State Plan (link)
Appendix

IV. Presentation on Inquiry 1: How well are our students performing academically?
HISTORY & BY THE NUMBERS
Hawai‘i’s public school system, founded on October 15, 1840 by King Kamehameha III, is the oldest such system west of the Mississippi.

293 schools
- 256 HIDOE, 37 charter
- 174 elem, 41 mid, 34 high, 44 mix
- 55 military-impacted schools
- 20 schools offer Pre-K

15 Complex Areas

1 district
The only Local Educational Agency (LEA) and State Educational Agency (SEA) in the nation.

180K students
We serve ALL Hawai‘i’s children, and a diversity of socioeconomic, cultural and developmental backgrounds.

12.7K+ teachers
Including classroom and non-classroom teachers such as librarians and counselors.

EDUCATION IN HAWAI‘I
Strategic Plan: A foundation of expectations and supports for public education, centering on closing the achievement gap to ensure equity and excellence for each student. Learn more: bit.ly/DOEBOEstratplan

Nā Hopena A‘o: Outcomes to be strengthened among students and the community to include a sense of Belonging, Responsibility, Excellence, Aloha, Total Well-Being and Hawai‘i — the components of BREATH, or HĀ. Learn more: bit.ly/NaHopenaAo


GENERAL LEARNER OUTCOMES
Self-directed Learner: The ability to be responsible for one’s own learning.
Community Contributor: Understanding that it is essential for human beings to work together.
Complex Thinker: The ability to demonstrate critical thinking and problem solving.
Quality Producer: The ability to recognize and produce quality performance and products.
Effective Communicator: The ability to communicate effectively.
Effective and Ethical User of Technology: The ability to use a variety of technologies effectively and ethically.

McKinley High School, established 1865.

Our mission
We serve our community by developing the academic achievement, character, and social-emotional well-being of our students to the fullest potential. We work with partners, families, and communities to ensure that all students reach their aspirations, from early learning through college, career, and citizenship.

HawaiiPublicSchools.org ... YOUR EDUCATION RESOURCE
Hawaii’s ELL students show progress on Nation’s Report Card

29-Oct-2019

Results released today by the National Assessment of Educational Progress (NAEP) show double-digit gains for Hawaii’s fourth grade English Language Learners (ELL). State average scaled scores for fourth grade ELL students increased by 26 points for reading and 13 points for mathematics compared to 2017 results, outpacing the nation’s growth (+2 reading; +2 mathematics).

“As we continue to review the overall results, we are especially encouraged by the progress shown by our ELL students and having discussions on what strategies have contributed to these encouraging outcomes,” said Assistant Superintendent Heidi Armstrong, Office of Student Support Services. “While we recognize there is more work needed to narrow and ultimately eliminate the achievement gap, there has been an increased awareness around the specialized supports and services our ELL students require to be successful.”

Hawaii’s overall results, compared to 2009 scores, show a steady increase in all categories bucking the national trend of decreases in all categories over ten years.
Superintendent Dr. Christina Kishimoto weighed in on the long-term results for Hawaii’s students on the Nation’s Report Card, adding, "In recent years, even with the implementation of higher standards and an increase in rigor in the state’s curriculum, our students are showing progress in closing the achievement gap with the nation in such areas as fourth-grade reading. The Department will look for correlations between improvements and core strategies to leverage best practices and continue our positive trajectory."

In 2018, 2,200 fourth grade students and 2,200 eighth grade students represented Hawaii in the NAEP mathematics exam, along with a different random sampling of 2,200 fourth grade students and 2,200 eighth grade students in the reading exam.

The NAEP assessment was originally designed to provide a common measure of student performance across the country at a time when there was no consistency among state academic standards or common measures to compare states. This includes college and career readiness standards adopted by states, including Hawaii, in the last decade.

NAEP is the largest nationally representative and continuing assessment of what America's students know and can do in various subject areas. Assessments are conducted periodically in mathematics, reading, science, writing, the arts, civics, economics, geography, U.S. history, and in Technology and Engineering Literacy. In 2017, NAEP began administering digitally based assessments (DBA) for mathematics, reading and writing. For more information and this year’s NAEP reports, click here.

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