



## Four Goals in Support of School, College and Career Readiness

Over the past year, Hawai'i P-20's work has impacted students, educators and our partners as we continue to move the needle toward achieving the state's 55 by '25 goal – for 55% of working age adults to hold a college degree by 2025. More students are graduating from high school on-time, better prepared for college, and enrolling in college level courses. Statewide pathways work is starting to evolve with increased alignment, integration and coordination among K-12, higher education and industry to provide students with a clearer, coherent path so they can achieve their educational and career aspirations.

By focusing our work around four goals, Hawai'i P-20 continues to support the needs of our stakeholders, so together, we can ensure all students have increased opportunities for success in college and careers.

### HAWAI'I P-20'S FOUR OVERARCHING GOALS:

1. Increase 3rd Grade English Language Arts and Math Proficiency
2. Increase Number of 9th Grade Students on Track to Graduate
3. Increase High School Graduates Enrolling Directly into Postsecondary
4. Align, Integrate and Sustain College and Career Pathways for All Students

## 55 by '25 Dashboard Shows More Hawai'i Residents Have a College Degree

Hawai'i P-20 recently launched a **new dashboard**, supported by the **Lumina Foundation**, to highlight leading indicators of success that are contributing to the state's educational goal. Metrics are evidence-based, updated annually and predictive of a student's future success in Hawai'i.

**55 BY '25 GOAL**

Current College Degree Attainment Rate: 46.3%

46%

## GOAL 1: INCREASE 3RD GRADE ELA AND MATH PROFICIENCY

### Hawai'i P-20 Leading a State Literacy Initiative

In partnership with the Executive Office on Early Learning (EOEL), the Hawai'i State Department of Education (HIDOE), and the University of Hawai'i (UH), Hawai'i P-20 is spearheading the Hawai'i State Literacy Initiative. The goal of this initiative is to design and implement strategies that are specifically literacy-focused and target communities with a high percentage of "at-risk" students, who historically have been identified as struggling readers (e.g., students from low-income households, dual language learners, students experiencing homelessness, foster children, etc.) Funded by a coalition of local philanthropic organizations, Hawai'i P-20 and HIDOE are convening a multisector network of stakeholders across the state to develop a State Literacy Plan. The plan is meant to be aspirational and focused on establishing a common literacy expectation and language shared across the educational system. It is intended to foster a continuity of literacy advancement that will build upon each system implementing research-based and promising practices to support all learners, from keiki to kūpuna.



### Summer Start Kindergarten Transition Program Expands

The Summer Start Kindergarten Transition program was expanded from two elementary schools last year, to 13 elementary schools in Summer 2019. By leveraging funds from the Samuel N. and Mary Castle Foundation, the HIDOE provided additional resources to offer this program to all 15 complex areas statewide. In addition to administrator overview webinars, teacher workshops were held to provide information on program implementation and evaluation. The summer transition program offered a three-week classroom experience for incoming kindergartners with limited or no previous preschool experience and was designed to help with a successful transition into kindergarten.

## GOAL 2: INCREASE # OF 9<sup>TH</sup> GRADE STUDENTS ON TRACK TO GRADUATE

### Middle School Algebra Readiness Course Begins Pilot Phase

The Middle School Algebra Readiness Course is an intervention/workshop designed for students who scored a "2" on their 5th grade Smarter Balanced Math Assessment. The pilot program started in school year 2019-20 with teachers from Moanalua and Wahiawa Middle Schools and is focused on helping prepare students for algebra by the 9th grade.

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Students from Dole and Kalakaua engage in STEM learning activities at University of Hawai'i at Mānoa.

## Exploring Summer Learning Opportunities

This summer, GEAR UP Hawai'i partnered with various organizations to provide enrichment programs for middle school students on O'ahu and Hawai'i Island to build learning skills, experience college life, and engage in career exploration opportunities. Highlights included:

- o UH Mānoa's College of Tropical Agriculture and Human Resources (CTAHR) coordinated four 5-day **Summer GENE-ius Programs** on campus for approximately 100 students from Kalakaua, Dole, Washington and Central Middle Schools. Each week-long program focused on building students skills and confidence in science and introduced them to the world of STEM-related careers in university science labs.
- o **Pasefika Passion Pipeline** coordinated a week long dorm stay at UH Mānoa for over 54 middle students from Dole and Kalakaua to engage in STEM curriculum, visit STEM research facilities and learn what it means to be a college student.
- o Washington Middle School partnered with **After School All Stars Hawai'i** to support over 70 rising 6th, 7th, & 8th graders in their "Malama I Ka 'Āina" program. This program focused on sustainability and educating students about the environment in Hawai'i and its natural resources and ecosystem. Students participated in field trips to Mānoa Stream, Papahāna Kūāloa, Bishop Museum, and the Opala Tour to learn how to take care of the 'āina as well as engaged in activities focused around Science, Technology, Engineering, the Arts and Math (STEAM), social emotional, and wellness skills.
- o UH Mānoa's Natural Resource and Environmental Management Program (NREM) led a **Teaching Change program** for rising 9th graders at Kea'au Middle, Honoka'a High and Kohala High Schools. The focus of the program was to inspire local youth to be environmental stewards and pursue post-secondary educations and careers in Hawai'i, in natural resource management. Throughout the program, students engaged in transformative experiences to learn about endangered birds and forest ecosystems, as well as threats these natural places face and what is being done to manage them. Students also participated in career-connected learning that were place-based, experiential and STEM-oriented.
- o Konawaena Middle coordinated a summer STEAM Program focused on math (pre-algebra/algebra skills), science (aquaponics), technology and arts (design, media and communication), plus college and career exploration through field trips to local companies and Hawai'i Community College (Hawai'i CC). Much of what was planned over the summer is feeding into a new after school program during the year to continue to support student learning.
- o Hawai'i CC partnered with Kea'au Middle School to provide 42 students an opportunity to explore various careers in technology in a creative hands-on environment. Classes included 3D modeling, code breaking, geocaching, photography, videography and drones.

## Attendance Matters Issue Brief Released

An **issue brief** published in May 2019 by Hawai'i P-20's data team highlights the correlation between attendance and student achievement as well as what measures HIDOE has taken to use data to identify strategies to target students who are chronically absent. The report explains how HIDOE uses their longitudinal data system (LDS) to produce timely reports and dashboards that teachers and administrators can use to track attendance. It also features case studies on strategies being implemented to decrease absenteeism. Chronic absenteeism (students absent for 15 days or more, for any reason) is more prevalent among students who are economically disadvantaged, disabled, and in Native Hawaiian and Pacific Islander populations. With data that allows for early interventions to reduce absenteeism, HIDOE is better able to work on closing the achievement gap and focus on equity for all students.

## GOAL 3: INCREASE HIGH SCHOOL GRADS ENROLLING DIRECTLY INTO POSTSECONDARY

### GEAR UP Ends Year 1

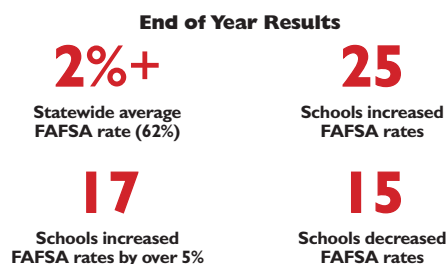
Over the past year, GEAR UP Hawai'i has focused on building its "6-16" (6th grade through college completion) regional teams, which consist of ten high schools, their 14 feeder middle schools and UH partners. Each team is developing and implementing a vertically-aligned, comprehensive 6-16 college and career program that enables students to build college and career aspirations, increase academic readiness and provide support to students in navigating their educational journeys. Team activities for the first year included middle school college pledge days, junior college planning events and summer bridge programs. As teams begin their second year of a seven-year grant, GEAR UP will continue to provide technical assistance to help them create strategies and align their activities to better support students' academic journeys.



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## FAFSA Completions on the Rise

More HIDOE seniors from Class of 2019 completed the Free Application for Federal Student Aid (FAFSA). As of June 28, the statewide FAFSA completion rate was 62% — an increase of two percentage points over the previous year. Twenty-five schools increased their rates, with 17 schools increasing by over five percentage points. As part of last year's FAFSA effort, schools participated in the Cash for College Challenge sponsored by Harold K.L. Castle Foundation, Bank of Hawai'i, Central Pacific Bank and First Hawaiian Bank. Schools were awarded cash prizes for their senior class for increasing their rates and having the highest number of seniors complete their FAFSA applications.



FAFSA completion continues to be a priority for the HIDOE this school year. Last year, over \$10 million in federal Pell grants was left unclaimed in Hawaii. This aid could have helped more of Hawai'i's economically underserved students attend college. Hawai'i P-20 is partnering closely with HIDOE to support high schools to make the financial aid process easier and more accessible for all students.



## Math and ELA Curriculum Alignment Summits

Hawai'i P-20 continues to collaborate with HIDOE and UH on convening educators at annual summits to focus on creating stronger articulation alignment around math and English.

The 2018 Math Summit *Math for Life: Preparing Students for Career Readiness in Math* brought together over 150 K-12 and higher education administrators, math faculty, and teacher preparation faculty to gain a clearer understanding of best practices in math instruction for students K-16. The summit featured keynote speaker, Dr. Francis Su, the Benediktsson-Karwa Professor of Mathematics at Harvey Mudd College and former president of the Mathematical Association of America, who discussed his new book,

*Mathematics for Human Flourishing*. Breakout sessions included demonstrations from exemplary HIDOE and UH math instructors, data results from the Introduction to College Mathematics 12th grade transition course and information about the new middle school math transition course and CTE math courses.

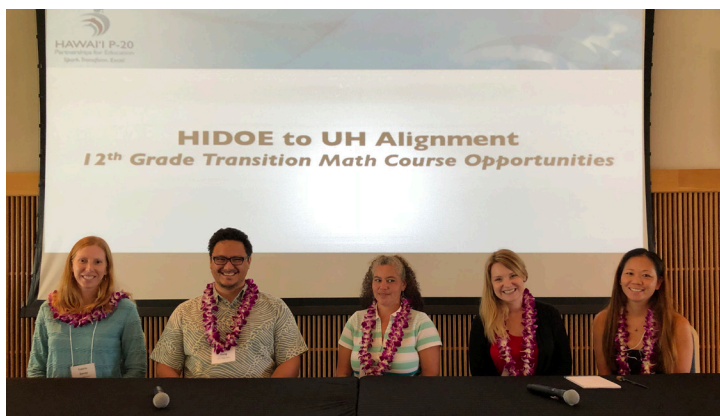
At the 2019 English Language Arts (ELA) Symposium, 100 educators provided feedback on the statewide literacy plan while focusing on research-based literacy strategies and secondary and postsecondary English Language Arts in Hawai'i. The keynote speaker, Douglas Fisher, Ph.D., a Professor of Educational Leadership at San Diego State University and a teacher leader at Health Sciences High & Middle College discussed strategies for improving student achievement including topics such as Text-Complexity: Raising Rigor in Reading (Nancy Frey and Diane Lapp), Checking for Understanding (Nancy Frey) and Common Core English Language Arts in a PLC at Work (Nancy Frey).

## Early College Strategic Expansion to Rural and Remote Areas

To eliminate barriers of accessibility, especially for rural schools, new approaches to early college classes are being introduced. With funding from [ECMC Foundation](#) to launch an Early College Online Program, online classes will be offered starting in Spring 2020 at Waimea, Ka'u and Molokai High Schools. Given their geographic isolation, these schools have fewer resources available (both at the school and in their community) than their urban and suburban counterparts. They also generally have higher percentages of economically disadvantaged and Native Hawaiian students than the state as a whole.



Hawai'i P-20 is also partnering with Hawai'i CC to launch Kealahou High School's first Automotive Mechanics Technology (AMT) Early College program. A two-year cohort program, students interested in working with automobiles have the opportunity to earn up to 36 college credits prior to their high school graduation. These credits will apply to both students' high school diploma and Associate in Applied Science (AAS) degree at Hawai'i CC. The goal of the AMT Early College program is to make college accessible and prepare students with the certifications and experiences necessary for a high demand career in the Kona area. The curriculum of the AMT Early College program is accelerated, college-level and rigorous; as such, students will be provided with the academic and social/emotional support necessary to be successful.



Panel discusses how HIDOE and UH create alignment opportunities through the 12th grade math transition course.

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## New Media Campaign Launched

Earlier this summer, Hawai'i P-20 launched a new media campaign – **College is Within Reach Hawai'i** – to inform students and families of the various programs and resources available to help make attending college a viable option. This comprehensive statewide campaign includes television, digital, radio and social media promotion, and focuses on addressing challenges families can face when considering college, including perceived cost and time commitment barriers. Mahalo to our media partners that are supporting our campaign: KGMB/KHNL, KHON, KITV, New West Broadcasting, Ohana Broadcast Company, Pacific Media Groups: Kaua'i/Maui, and Summit Communications.

**COLLEGE IS WITHIN REACH HAWAII'I**

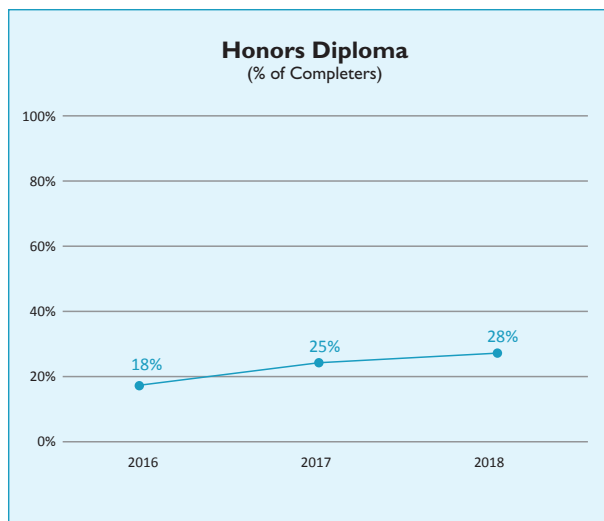
Most people think it takes a huge amount of money to go to college. But, it can cost a lot less than you imagine. Did you know, tuition at a 4-year University of Hawai'i campus can start at **under \$8,000 a year**? And tuition for a community college is **roughly \$3,500 a year**? Plus, in Hawai'i, **over \$70 million dollars in scholarships and grants** are awarded to help students go to college each year.

TO LEARN MORE, VISIT  
[CollegelsWithinReachHawaii.com](http://CollegelsWithinReachHawaii.com)

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## More Students Graduating with Honors Certificate



The **College and Careers Readiness Indicators Report (CCRI)** for the Class of 2018 released by Hawai'i P-20 shows a steady increase in the number of students who have earned the HIDEOE's Honors Recognition Certificate; 28% in the Class of 2018, up 10 percentage points from 18% for the Class of 2016. The Honors Certificate program was introduced in 2016, the same year that graduation requirements for all students were made more rigorous when the Hawai'i Board of Education's Recognition Diploma became the standard for all graduates. Despite the increase in graduation requirements, the on-time graduation rate for the Class of 2018 has increased to 84% from 82% from the Class of 2013.

These CCRI metrics are available for each high school as a printable PDF and via an **interactive dashboard**. The dashboard allows educators, policymakers, and other stakeholders to take a deeper dive into understanding academic outcomes for populations and regions of interest.

The CCRI Report is produced by Hawai'i P-20's data team using cross-sector data from the Hawai'i Data eXchange Partnership (DXP).

## GOAL 4: ALIGN, INTEGRATE AND SUSTAIN COLLEGE AND CAREER PATHWAYS FOR ALL STUDENTS

### Building Work-Based Learning Partnerships

Hawai'i P-20 is currently providing technical assistance to three regional work-based learning (WBL) intermediaries on Maui, Kaua'i and Leeward O'ahu. WBL intermediaries are organizations that help to facilitate and coordinate partnerships between schools and businesses while monitoring the success of each partnership opportunity. Highlights of their work include:

#### **Maui WBL Intermediary: UH Maui College (UHMC)**

UHMC works with Maui high schools by sponsoring a Career Camp in the summer, to support students between graduation and their first semester of college. They are also working closely with schools to build relationships between UHMC and the students who attend Maui high schools through project-based learning (PBL) support.

#### **Kaua'i WBL Intermediary: Kaua'i Economic Development Board (KEDB)**

KEDB is the WBL Intermediary for Kaua'i High School, Kapa'a High School, and Waimea High School. Together they have created and co-facilitated an island-wide Employer Advisory Council (EAC). The EAC includes employers representing all six county industry sectors. EAC members also choose to be a part of a steering committee focused in one of four areas: pathways alignment between secondary and post-secondary, professional skills and certifications, work-based learning, and school redesign. This structure helps them leverage business resources and student opportunities across the complex.

#### **Leeward, O'ahu WBL Intermediary: Chamber of Commerce Hawai'i**

The Chamber has been working with Pearl City High School to connect members from their Young Professional program to serve as mentors for students engaged in project-based learning. One example includes mentors working with students to develop business plans and sales pitch videos for the American Savings Bank KeikiCoContest to compete for funding for their International Business and Design (IBAD) Academy.



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## CTE Alignment Work Creating Clearer Pathways from Middle School to Workforce

Hawai'i P-20 has been partnering with HIDOE and UH to clearly define and document the coursework/skills necessary for high school students' college and career readiness for University of Hawai'i Career and Technical Education (CTE) programs. These programs include, but are not limited to, programs that are part of the CTE STEM and Healthcare clusters. As part of this work, CTE HIDOE advising sheets were created for 35+ programs that are aligned to UH recommendations to promote readiness for postsecondary CTE programs starting from middle school through high school to UH and into the workforce. Trainings were conducted for principals, teachers, counselors and registrars about how to use the advising materials most effectively. Hawai'i P-20 continues to align and expand the academic opportunities for all HIDOE CTE students in order to help them be prepared in meeting general education requirements that will successfully transition into UH CTE programs.

## Launching the Statewide Pathways Work

Hawai'i P-20 organized a two-day statewide Pathways Summit, *"Building Connected Paths for Students,"* at the Hawai'i Convention Center in April 2019. The purpose of the Summit was to support the co-creation of high-quality college and career pathways to ensure all young people have increased opportunities and access to credentials that lead to living wage careers. The Summit was kicked off by **Jobs for the Future (JFF)** and their **Pathways to Prosperity (PtoP)** team who shared their learning and expertise around this work from across the country in the plenary and breakout sessions. More than 250 participants attended from six islands, which included secondary and post-secondary educators and administrators, complex area and state office leadership, and industry and community partners. Next year's Pathways Summit is being planned for February 2020.

As an outcome of the Summit, a Regional Pathways grant was launched with support from Harold K.L. Castle Foundation. Five regional teams of secondary, post-secondary and industry partners were selected to begin designing college and career pathways that lead to high-demand, living wage careers. In September, Hawai'i P-20, together with Jobs for the Future's Pathways to Prosperity Network, brought together the five regional teams to kick off their work by digging into the critical design components and indicators needed to build high-quality pathways, drawing from both local and national models of this work. Teams spent the afternoon discussing the assets and barriers of this work in their region, identified needs for support, and action planned their next steps. Hawai'i P-20 will



Kalaheo team strategizing their pathways work during facilitated team time at the Regional Pathways Summit.

continue to provide technical support for the duration of this three year initiative. Grantee teams include: Castle Regional Team, Kalaheo Regional Team, Campbell Regional Team, Waipahu Regional Team, and Pearl City Regional Team. Pathways include: Health, Engineering, Computer Science, Education, Business, and Natural Resources.

## New Ed to Workforce Report Released

An **Education to Workforce Report** focused on the STEM career pathway was published by the Hawai'i P-20 Data Team. It highlights HIDOE graduates enrollment, persistence and STEM degree attainment at UH and ultimately whether these students end up in the workforce in our state.

Several key highlights from the report include:

- Since 2015, the number of HIDOE graduates who have earned a STEM honors certificate or completed STEM-related CTE courses of study has increased.
- HIDOE graduates who earned a STEM honors certificate or completed STEM-related CTE course of study had higher college enrollment rates compared to the statewide average.
- The number of UH graduates earning a STEM degree or certificate has increased over recent academic years.
- STEM graduates who earned technology degrees were more likely to be found in Hawai'i's workforce five years after graduation from UH than other STEM graduates.



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