

OCTOBER 2023

LAKE AND PENINSULA SCHOOL DISTRICT BOARD REPORT

Focused on bringing high-quality CTE education to the students of Bristol Bay

Sharing Traditions-

During our October intensive week, students were able to learn all about preparing and serving traditional foods. Students from all over the region were able to share how their families prepare local foods and learn how other families prepared their's. Students also learned about sustainable harvesting and food security, earning two college credits through the UAF Bristol Bay Campus



Tech Corner

Coding the future!

Students from each of our four districts took part in the First Robotics League competition this last intensive week.

Students were split up into four teams

and spent the week building robots from the ground up. They then learned how to code these robots to perform certain tasks. Once the students had completed building and coding their robots, they faced off against each other, tournament style, to see who's robot reigned supreme in completing various tasks.



November Intensives

Nov. 5th-Nov. 11th

Anchorage/ Palmer

- Intro to Aviation Pilotage
- NCCER Core 1a
- Intro to Aviation Maintenance
- Welding-Ironworkers Union

Naknek

- Welding 2
- Culinary 1
- Digital Storytelling 2

Dillingham

- Intro to Education
- Intro to Allied Health



BBRCTE NEWSLETTER

October 2023

IN THIS ISSUE

- BBRCTE held its 1st Intensive Week of the 2023-24 school year
- Photo Gallery
- Caliaq – Bristol Bay Youth Internship Program
- Aviation - Fisheries - Cultural Arts - Education



INTENSIVE WEEK I



BBRCTE NEWSLETTER

October 2023

BBRCTE held its first Intensive Week of the 2023-24 school year.

BBRCTE held its first intensive week of the 2023-24 school year during the week of October 1-7, 2023. Classes were held in 4 different communities: **Dillingham, Naknek, Palmer and Anchorage**. 65 students participated in eight different courses.

DILLINGHAM

Fish Tech Course:

Alaska Dept. of Fish and Game partnered with BBRCTE to host a Fisheries Technician course which took place in Dillingham at the ADF & G camp at Wood River.

Smoke Fish/Traditional Foods Course:

Curyung Tribal Council, Bristol Bay Foundation, UAF Bristol Bay Campus and BBNC partnered with BBRCTE to host a Smoke Fish/Traditional Foods course in Dillingham. Students earned 2 UAF college credits.

Intro to Aluminum Fabrication:

Instructor Christopher Panny taught Intro to Aluminum Fabrication in Dillingham. Chris has decades of experience in the welding industry. Chris holds an associate's degree in Machine Tool Technologies & is a Certified Motorsports Technician. This hands-on course taught the fundamentals of working with aluminum with a focus on measuring, cutting, shaping, and welding aluminum at unique angles.

NAKNEK

Digital Storytelling:

Instructor Stephanie Alton from Raven's Eye Productions taught Digital Storytelling to students in Naknek. Stephanie Alton is a photographer, filmmaker and artist; she has an MFA from Pratt Institute in Brooklyn, NY and directed and produced the award-winning documentary short: Yupit: Eye of Both Worlds.

Intro to FIRST Robotics:

Sixteen students participated in the Intro to FIRST Robotics course in Naknek and became team leaders for their district. FIRST Robotics professional trainers worked with students to send each team home with a functioning robot base fully coded. All students learned coding to build the remaining robot of their team's dreams. FIRST Tech Challenge is a national robotics program for students in grades 7-12 who are interested in building and programming their own robot from a kit and then testing it in competition against other teams. There will be a virtual tournament/showcase in November and the state qualifier will be in Palmer on February 3rd.

Welding:

Students learned basic welding techniques, theory, and safety protocols. This course is the first step in the BBRCTE welding program. Completion of this course will allow students to take more advanced welding courses including Welding II, Welding III, Aluminum Fabrication, and Skiff Building.

PALMER

Intro to Construction/NCCER Core Part I:

NCCER Core is designed as a rigorous, competency-based, industry-recognized program for career and technical education. This course is taught by Jerry Jones from SWRSD, NCCER Core covers topics such as Basic Safety, Communication Skills and Introduction to Construction Drawings.

ANCHORAGE

Intro to Aviation Pilotage, Phase 1

The Intro to Aviation Pilotage course is taught through CKT Aviation and Swoop Flight Training. Students were introduced to FAA Exam prep, learned about Aerodynamics, and applied the knowledge to answering and studying for FAA Exam questions. Students were taught how to study like a pilot and learned the tools used to prepare for check rides and written exams. Students also learned about barriers to employment, safety measures, and Federal Aviation Regulations. This course is a recruitment course for the 2024 spring ARAA Flight Training.

65 students participated in eight different courses.



INTENSIVE WEEK 1



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October 2023

INTENSIVE WEEK I : OCTOBER 1-7, 2023

LOCATION:

**DILLINGHAM
NAKNEK
PALMER
ANCHORAGE**

PATHWAY:

**AVIATION
CONSTRUCTION
FISHERIES
TECHNOLOGY
WELDING**



INTENSIVE WEEK I COURSES:

- Fisheries Technician
- Smoke Fish/Traditional Foods
- Intro to Aluminum Fabrication
- Digital Storytelling
- Intro to FIRST Robotics
- Welding I
- Intro to Construction/NCCER Core Part I
- Intro to Aviation Pilotage-Phase 1





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Fisheries Technician

Instructors: Phillip Stacey and Cole Weaver



Alaska Dept. of Fish and Game partnered with BBRCTE to host a Fisheries Technician course which took place in Dillingham at the ADF&G camp at Wood River. Students focused on skiff operations and basic maintenance/troubleshooting, bear safety including shotgun training, and learning different methods of data collection, both through counting and with a seine. Students are ready to apply for work as a Fisheries Technician after completion of this program.



Smoke Fish/Traditional Foods

Instructors: Annie Fritze and Laura Zimin

Curyung Tribal Council, Bristol Bay Foundation, UAF Bristol Bay Campus and BBNC partnered with BBRCTE to host a Smoke Fish/Traditional Foods course in Dillingham. Students earned 2 UAF college credits. Students learned about safe food practices in relation to the preparation of traditional foods. Students also learned the importance of food security and preservation while continuing to share traditional knowledge and skills.





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Intro to Aluminum Fabrication

Instructor: Christopher Panny



Instructor Christopher Panny taught Intro to Aluminum Fabrication in Dillingham. This hands-on course taught the fundamentals of working with aluminum with a focus on measuring, cutting, shaping, and welding aluminum at unique angles.





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Digital Storytelling

Instructor: Stephanie Alton

The digital storytelling/videography program of study teaches students the basics of audio/visual production and evolves into more technically challenging projects. Students gained skills in advanced editing, were introduced to digital video production, and each participant was able to “check out” a digital video camera to collect footage for their own video project. This is a two-part course that will finish during the November intensive week.





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Intro to FIRST Robotics

Instructors: Ben McGlucky and Nathan McArthur



Sixteen students participated in the Intro to FIRST Robotics course in Naknek and became team leaders for their district. FIRST Robotics professional trainers worked with students to send each team home with a functioning robot base fully coded. All students learned coding to build the remaining robot of their team's dreams. FIRST Tech Challenge is a national robotics program for students in grades 7–12 who are interested in building and programming their own robot from a kit and then testing it in competition against other teams. There will be a virtual tournament/showcase in November and the state qualifier will be in Palmer on February 3rd.



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Welding I

Instructor: Don Berberich



Students learned basic welding technique, theory, and safety protocols.

This course is the first step in the BBRCTE welding program. This is a very hands on class with a lot of time spent practicing welding. Completion of this course allowed students to take more advanced welding courses including Welding II, Welding III, Aluminum Fabrication, and Skiff Building.



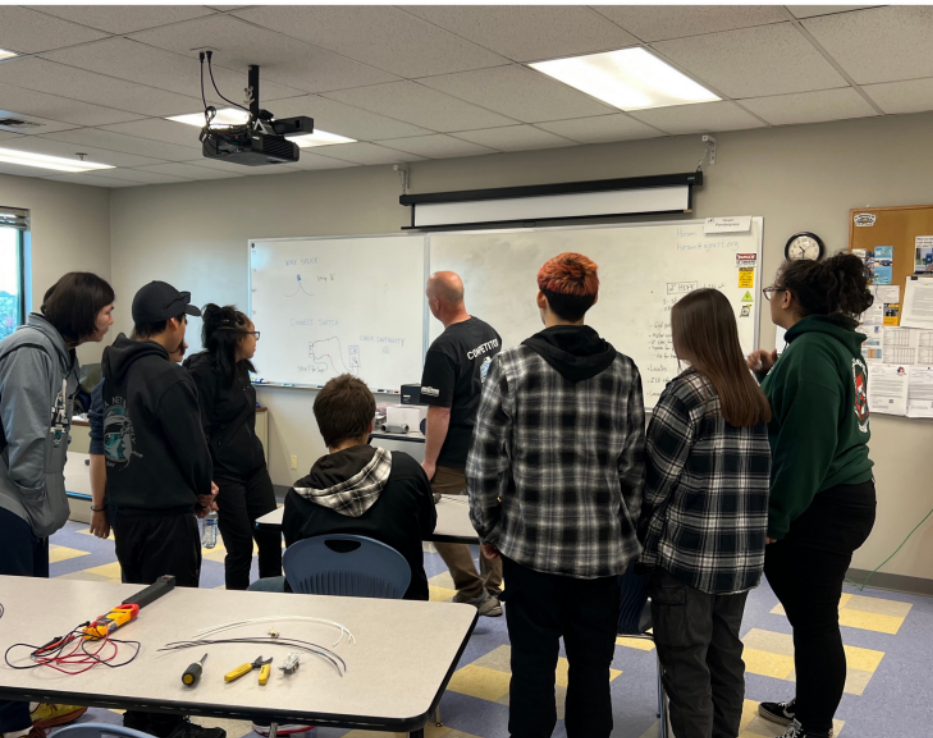


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NCCER Core/Intro to Construction

Instructor: Jerry Jones



NCCER Core is designed as a rigorous, competency-based, industry-recognized program for career and technical education. Students may complete the required elements sooner or later than the recommended 150 hours of knowledge and skills-based instruction, depending on their individual proficiency in mastering the content. NCCER Core is a prerequisite to all other Level 1 craft curriculum. Its modules cover topics such as Basic Safety, Communication Skills and Introduction to Construction Drawings.





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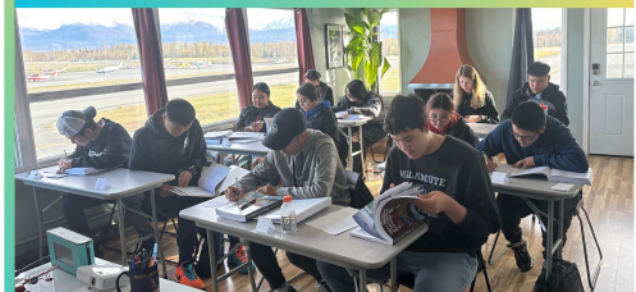
Intro to Aviation Pilotage- Phase 1

Program Manager: Jenny Shyrock



The Intro to Aviation Pilotage course is taught through CKT Aviation and Swoop Flight Training. Students were introduced to FAA Exam prep, learned about Aerodynamics, and applied the knowledge to answering and studying for FAA Exam questions. Students were taught how to study like a pilot and learned the tools used to prepare for check rides and written exams.

Students also learned about barriers to employment, safety measures, and Federal Aviation Regulations. This course is a recruitment course for the 2024 spring ARAA Flight Training.





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UPCOMING: INTENSIVE WEEK II : NOVEMBER 6-11, 2023

LOCATION:

**DILLINGHAM
NAKNEK
PALMER
ANCHORAGE**

PATHWAY:

**AVIATION
CONSTRUCTION
CULINARY
EDUCATION
HEALTHCARE
TECHNOLOGY
WELDING**

INTENSIVE WEEK II COURSES:

- Intro to Allied Health Careers
- Intro to Education
- Culinary I
- Welding II
- Digital Storytelling II
- Electrical I/NCCER Core Part B
- Intro to Aviation Pilotage-Phase 2
- Intro to Aviation Maintenance





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CALIAQ BRISTOL BAY YOUTH INTERNSHIP PROGRAM

Caliaq means 'work' or 'to gain work experience' in the Yup'ik language.

Overview of Program

- BBRCTE has provided CTE-based intensive courses for many students in the region where students have gained excellent content knowledge in a variety of targeted areas such as allied health, aviation, business, construction, culinary arts, fisheries, and culture & language.
- What has been missing is the ability for students to apply that knowledge in a community-based work environment. As a result, the Bristol Bay Native Corporation (BBNC), in partnership with (BBRCTE), wrote a grant titled Caliaq. This grant focuses on a career development program (In Yugtun, Caliaq means "work" or "to gain work experience").
- As part of a regional workforce development strategy, the Caliaq program will provide internship opportunities to expand career development for Alaska Native students in the four targeted Southwest Alaska school districts.
- An internship is any carefully monitored meaningful learning experience in which a student has intentional professional goals and reflects actively on what he or she is accomplishing throughout the experience.

- Caliaq has funds to reimburse the employer for the student's time as an intern. Students will go through the employment process with the host organization

Benefits to Students

Hands-on work experience with professionals in a given field and a chance to transfer and refine the skills learned in the program; Internships provide exposure to all aspects of an industry or career path of interest; There is a unique opportunity to create professional networking contacts that may result in future employment opportunities; and Job experience expands the confidence of interns and broadens their range of experiences.

Caliaq Internship Program Student Intern Component

Selected students will actively engage in learning in school as well as at the work site. While on the work site, the student will learn occupational and employability skills in all aspects of the industry while complying with all requirements (safety, timeliness, behavior, etc.). The student will agree to adhere to all school and work site rules and procedures.

Student Intern Pre-Requisites for Year 1:

- Enrolled in the BBRCTE Consortium of school districts
- Minimum age 16
- Junior or Senior
- Successful completion of at least (1) BBRCTE Intensive course in the internship field, including a teacher recommendation
- Depending on the employment, students may also need to complete additional requirements before the internship. For example, a food worker's card, a background check, fingerprinting, mandatory state training, etc.

Students will apply for an internship through the BBRCTE website.

- This is a Pass/Fail course and will be offered concurrent to the internship as an asynchronous class managed through an online platform.
- 60 hours = .5 credits
- 30 hours = .25 credits





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CALIAQ BRISTOL BAY YOUTH INTERNSHIP PROGRAM

Caliaq means 'work' or 'to gain work experience' in the Yup'ik language.

To apply
visit our website: www.bbrcte.org



Or email Rayna Bird,
BBRCTE Internship Development Program Manager
rbird@bbrcte.org





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BBRCTE'S ALASKA RURAL AVIATION ACADEMY

ALASKA RURAL AVIATION ACADEMY (ARAA)

COURSES



ARAA-FLIGHT 11TH & 12TH GRADE

Recruitment Period: Intensives 1 & 2

ARAA-Flight Training: Intensives 3 & 4

Summer Flight Training: June 2-August 3, 2024



INTRO TO AVIATION MAINTENANCE 9TH-12TH GRADE

Intensive Week 2: November 6-10, 2023



UNMANNED AERIAL VEHICLE (UAV) TRAINING 9TH-12TH GRADE

Intensive Week 3: March 18-22, 2024



INTRO TO AVIATION CAREERS 8TH-12TH GRADE

Intensive Week 4: April 29-May 3, 2024

INTERESTED?

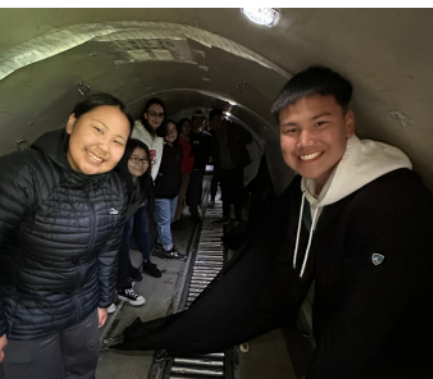
APPLY AT: [BBRCTE.ORG](https://bbrcte.org)

For questions contact your
District Career Development
Specialist --

DCSD: aluckhurst@bbrcte.org
BBBSD: abales@bbrcte.org
LPSD: pmccasland@bbrcte.org
SWRSD: nbowe@bbrcte.org

OR the Aviation Program
Manager Directly --
jenny.shryock@bbrcte.org

**DEVELOPING AVIATION PROFESSIONALS
FROM THE REGION, FOR THE REGION**





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BBRCTE'S FISHERIES PROGRAM



**FOR MORE COURSE
INFORMATION,
VISIT BBRCTE.ORG**



Sign In or create a Log In



Click on 'Courses' then
'Fisheries Pathway'



Register for as many
courses as you like



100% **FREE** for any
student

**CONTACT MISA
FOR Q'S RELATED
TO ALL THINGS FISH**

mwebber@bbrcte.org
(907) 843-2918



INTENSIVE WEEK 1: OCT 1-7

Smoke Fish /Traditional Foods
ADF&G Fish Tech



INTENSIVE WEEK 3: MAR 17-23

Fisheries Services 1 - Boat Maintenance



INTENSIVE WEEK 4: APR 28 -MAY 4

Fisheries Services 2 - Boat Maintenance



ALASKA YOUNG FISHERMEN'S SUMMIT

Dec 6-10



PILOT POINT SET NET CAMP

June (TBD)



COMMERICAL FISHING FOR CREDIT (CF4C)

Summer



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BBRCTE'S CULTURAL ARTS AND TRADITIONAL KNOWLEDGE PROGRAM

Alutiiq Dance

w/ Jessica Towns-Camara



Open to ALL STUDENTS in Pre-K - 12th Grade
in SWRSD, BBBSD, LPSD & DCSD schools

Sept 29, Oct 6, Oct 13 and Oct 27th over ZOOM!



Traditional Fish Skin Tanning with Spruce Bark

w/ Michelle Ravenmoon

Nov 6th & Nov 10th over ZOOM!
1:30-2:30 pm



*Spruce bark will be mailed to you
*Please take out a frozen fillet for this class
*We will scrape and process the fish during class

Carving

with Justin Zimin

7th-12th grades

NOVEMBER 2023



How to Apply:

It's easy to sign-up for BBBCTE's cultural courses: just send an email to
culture@bbrcte.org



BBRCTE **NEWSLETTER**

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BBRCTE'S EDUCATION PROGRAM

BUILDING LOCAL CAREER PATHWAYS

EDUCATING OUR FUTURE

**BRISTOL BAY REGIONAL CTE CONSORTIUM &
BRISTOL BAY TEACHING AND LEARNING COLLABORATIVE**





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BBRCTE'S EDUCATION PROGRAM

BRISTOL BAY TEACHING AND LEARNING COLLABORATIVE

IMPROVING TEACHING QUALITY IN OUR INDIGENOUS COMMUNITIES TO INCREASE STUDENT SUCCESS

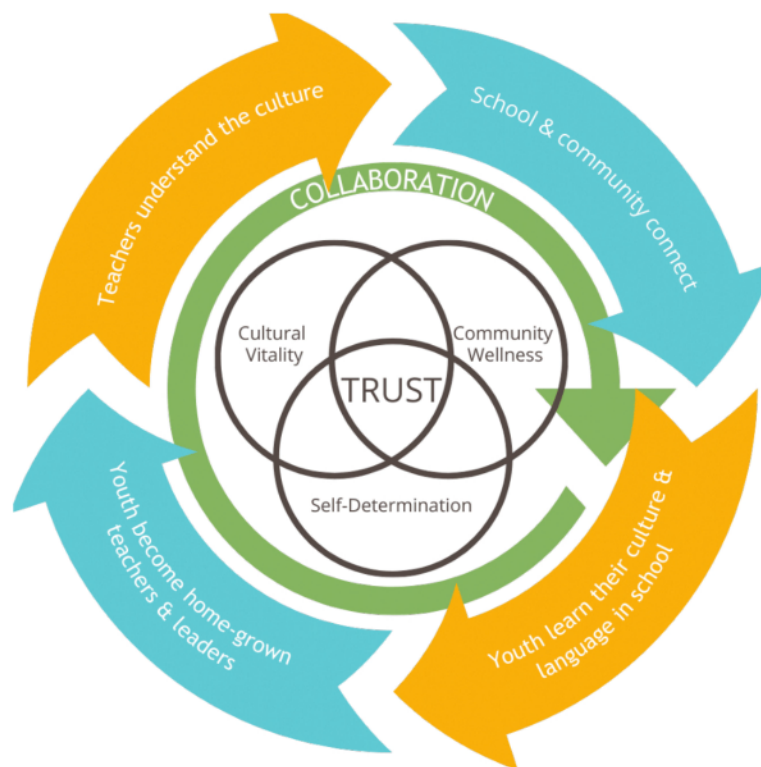
In Bristol Bay, the Bristol Bay Foundation has built the groundwork for cultural revitalization through education by funding the teaching of Indigenous languages and supporting an initiative by the four school districts that form the Bristol Bay Regional Career & Technical Education Consortium (BBRCTE). This initiative focuses on improving educational outcomes by providing opportunities to local residents to pursue careers in education and for high school students to learn about career options that align with their communities' needs and values.

The Bristol Bay Region needs more teachers who have grown up in the region and understand the unique cultural and historical contexts of their communities.

Studies indicate that Indigenous teachers can have the following positive impacts on Indigenous students:

- 🏠 Learning is enhanced when teacher and student share the same language and culture;
- 🏠 Indigenous teachers enhance the teacher-student relationship for Indigenous youth and increase the desire of students to stay in school;
- 🏠 Indigenous teachers provide connectivity to Indigenous students' lives; and
- 🏠 Indigenous teachers are likely to be aware of Indigenous learning styles and utilize this information to improve teaching styles.

To increase the number of local Indigenous teachers, we are proposing a new approach to teacher education. A pathway that allows high school students, current paraprofessionals and community members to learn and grow as educators, without the need to leave home for long periods of time - a way to grow that is consistent with the cultures and lifestyle of our region.





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BBRCTE'S EDUCATION PROGRAM

BUILDING LOCAL PATHWAYS THROUGH PARTNERSHIPS

BRISTOL BAY TEACHING AND LEARNING COLLABORATIVE



The work of the Bristol Bay Regional Career and Technical Education Consortium on its Education Pathway this fall has been assessing needs and barriers to growing more local educators in our region, and building strong partnerships with a variety of entities to create a strong, locally accessible pathways to careers in education for our high school students, current paraprofessionals & interested local residents.

To increase educational outcomes for students in the Bristol Bay region, there is a need to “grow” more local educators. With recent changes in policy at the federal level there are new opportunities through programs including federally registered apprenticeships. We believe that this offers us a chance to create new programs that will both encourage local participation and improve ties between schools and communities.

The Bristol Bay region, much like other areas of the state, is facing a crisis in staffing our schools. To meet this challenge, we are working to grow more local educators and increase the cultural competency of educators new to the region. In doing so, help our schools and early childhood facilities decrease turnover and become more connected to community.

BBTLC Goal: Increase the number of teachers and educational leaders from the Bristol Bay Region.

- 👤 Objective 1: Bristol Bay students have the opportunity to learn about education careers.
- 👤 Objective 2: Collaborative partners gain a clearer understanding of the barriers to growing more local educators.

Current Efforts Include:

- 👤 **Assessing staffing needs across the region:**
 - ➡ Total current instructional staff (paraprofessional and certificated) across region.
 - ➡ Number of current indigenous instructional staff (paraprofessional and certificated).
 - ➡ Teacher turnover over a several years span across the region.
- 👤 **Assessing barriers to and opportunities for advancement in education careers:**
 - ➡ Barriers to obtaining required training and licensure.
 - ➡ Current opportunities for obtaining training and licensure.







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BBRCTE'S EDUCATION PROGRAM




Creating Solutions Based on Needs

Generating interest among high school students in a career in education.




-  Counselors work with individual students on-site related to education careers
-  Participate in Educators Rising program to create increased interest and begin education coursework while in high school
-  Increase readiness for General Education Requirements (GERs) needed for college degrees, to allow direct entry into apprenticeship and degree programs
-  Prepare to take the Paraprofessional Exam which allows employment as a paraprofessional in local PreK-12 schools immediately following graduation

Creation of a new pathway for licensure and certification using a three-tiered local apprenticeship-driven approach:




Tier I: Early Childhood Education - Certificate

-  Registered Apprenticeship I - leads to Early Childhood Education certificate (18 credits) allowing employment in Head Start and Pre-school classrooms.
-  Can be begun during high school, but open to adults who express interest.
-  Some of the credit earned through work experiences and activities

Tier II: Early Childhood Education - Associate of Arts Degree

-  Registered Apprenticeship II - leads to Early Childhood Education Associates degree (60 credits) allowing employment in K-12 schools.
-  Can be begun during high school, but open to adults who express interest, including current paraprofessional employees.
-  Some of the credit earned through work experiences and activities

Tier III: Early Childhood Education - Bachelor of Arts Degree

-  Registered Apprenticeship III - leads to Early Childhood Education Bachelors degree (120 credits) which is prerequisite for obtaining PreK-3 Type A Teacher Certificate.
-  Open to current paraprofessional that already possess an Associates Degree as well as other adults who express interest.
-  Some of the credit earned through work experiences and activities

Current partners in our efforts to date include:

Bristol Bay Teaching and Learning Collaborate partners

Federal Office of Apprenticeship

Bristol Bay Native Association Head Start

SeaAlaska Heritage Institute

University of Alaska

** also in discussions with: ACSA, ASDN, and many other state-wide organizations

**BRISTOL BAY REGIONAL CAREER &
TECHNICAL EDUCATION CONSORTIUM**

Phone (907) 843-0695
snoonkesser@bbrccte.org



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WHAT IS BBRCTE?

Bristol Bay Region Career and Technical Education program is a consortium of four school districts within the Bristol Bay region:

Lake and Peninsula School District (LPSD)
Bristol Bay Borough School District (BBBSD)
Southwest Region School District (SWRSD)
Dillingham City School District (DCSD)

BBRCTE offers career and community-focused education to help students plan for and work towards their career goals. BBRCTE's education model includes a mix of distance and in-person courses. In-person courses are offered during four separate weeks of the year that are agreed upon by the districts, while the distance courses are offered throughout the year. Students selected for the in-person courses fly into the host community to attend the class.



BBRCTE INFO





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Click here to visit our sites:



Facebook:
Bristol Bay Regional
Career and
Technical Education
Program



Instagram:
@bbrcte_program



www.bbrcte.org

