

2019 - 2020

PCCAPS

ANNUAL REPORT

Lyndsay Huntsman, CTE Director
Park City School District

May 2020

Rachel Pittard, Project & Mentor Coordinator
PCCAPS



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LETTER FROM THE DIRECTOR

It is hard to believe that just nine months ago, many of our students were entering PCCAPS for the first time, uncertain what was next for them, thrown into an environment that did not provide a one-size-fits-all answer to the question, "What does success look like?" Rather, these students were given the freedom to chart their own journey, which appeared to be a daunting task for some. You may ask, "Why daunting?" Suddenly, there is no formation in which to fly, and no easy, technical answer to how to get an A.

As we observed the growth of each student throughout the school year, we noticed some commonalities. Their self-confidence increased, many developed a sense of purpose, and their ability to navigate complex problems improved immensely. This experience helped many students pivot from exploring potential professions to preparing for a path that leads to employment in the profession. We've been fortunate to have this opportunity with students, many have been connected to their calling while also providing honest feedback to help us improve the student experience.

Thank you to our business partners and mentors who have contributed ideas, projects, and time, so that we can help align future generations to their passion. One of our best decisions was listening to your feedback intently and being responsive. As always, we're committed to providing a personalized learning experience that educates the workforce of tomorrow.



LYNDSAY HUNTSMAN

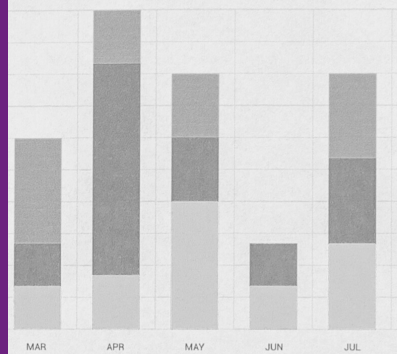
CTE DIRECTOR
PARK CITY SCHOOL DISTRICT

360° FEEDBACK

Business Partners

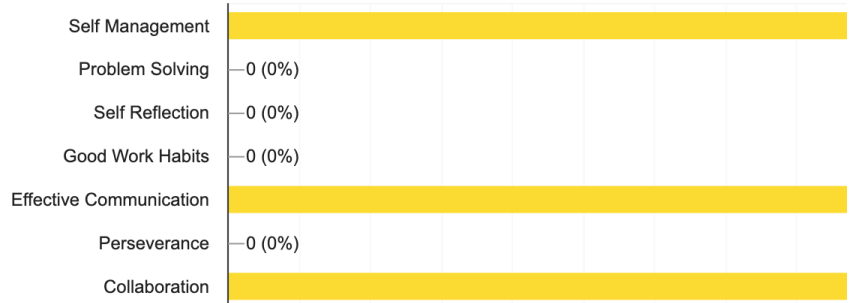
Students

Parents



Business Partner Feedback

Business partner participation is at the heart of the PCCAPS experience. When asked which Success Skills they look for most in job candidates, they ranked the following competencies as the most desirable: self-management, effective communication, and collaboration.



Debbie Drain
The Chicks Company Founder

“ [Their] professionalism, creativity & talent is at a level of the private sector and beyond. ...This program creates an environment where these talented & enthusiastic students learn how to listen & hear what their clients want & then use their talents to produce amazing results. ”



Victor Gill, CEO, STRT
Adjunct Professor, David Eccles School of
Business, University of Utah

“ The PCCAPS program produced an amazing group of young businesspeople, seeing the work they put into their projects and how they adapted to the changing environment was great.



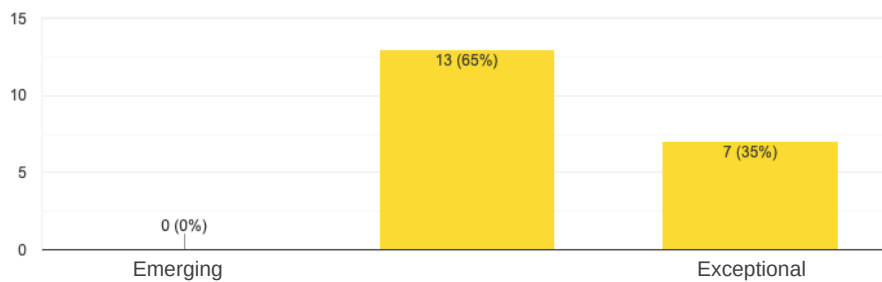
Lawton Smith
Co-Founder, Literal App

“ The students were amazing to work with, responsible and energetic. I hope [the experience] provided an opportunity to see things through a different lens.

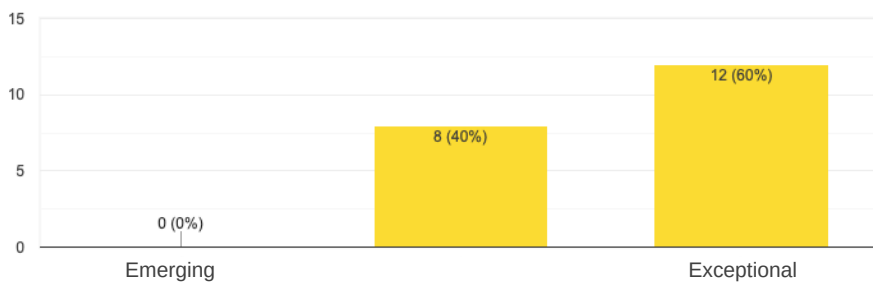
Student Feedback

Effective Communication

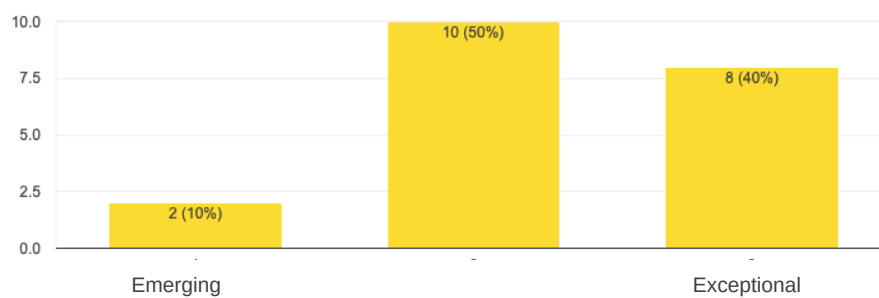
Writing - accuracy with spelling, punctuation, clarity, etc.



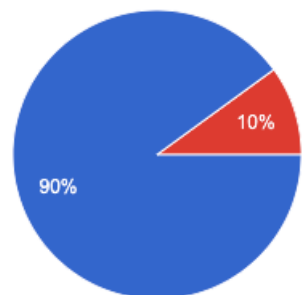
Skills in professional communication (email, vid conferencing, etc.)



Presentation / Public Speaking



Which of the following best describes your communication skills as a member of a team?

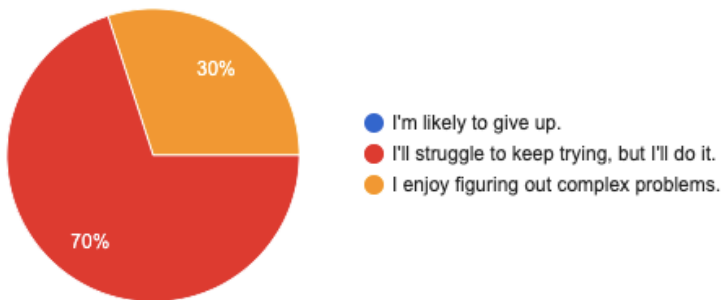


- I'm a solid communicator.
- I could be a more effective communicator.
- Communicating is not my first thought when I'm working with a group.

Student Feedback

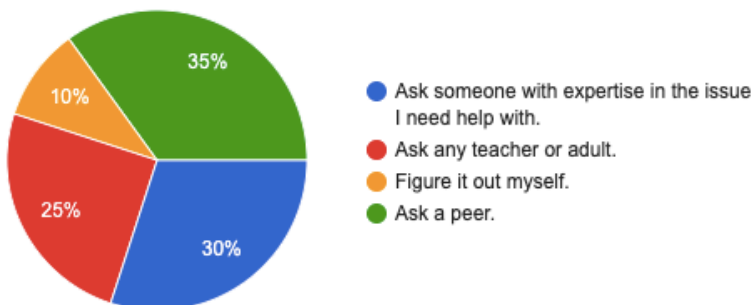
Problem Solving

Which of these best describes how you feel when you encounter obstacles with regard to projects?



Perseverance

When you are frustrated by a task, which of these are you MOST likely to do?



When you are frustrated by a task, which of these are you LEAST likely to do?



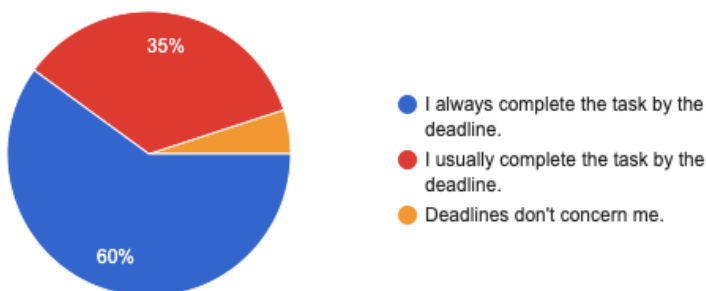
Student Feedback

Good Work Habits

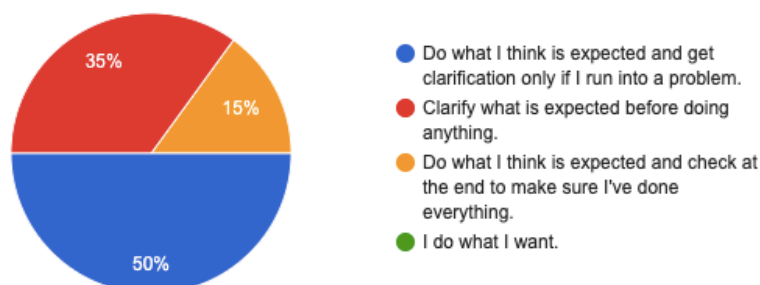
When working on a big project I usually:



Which of the following best describes your responsibility when given a task?



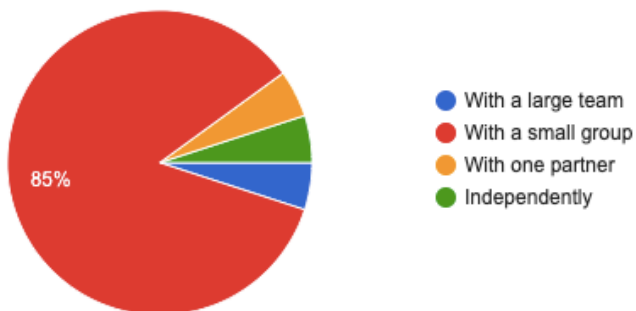
When given a project assignment, I am most likely to:



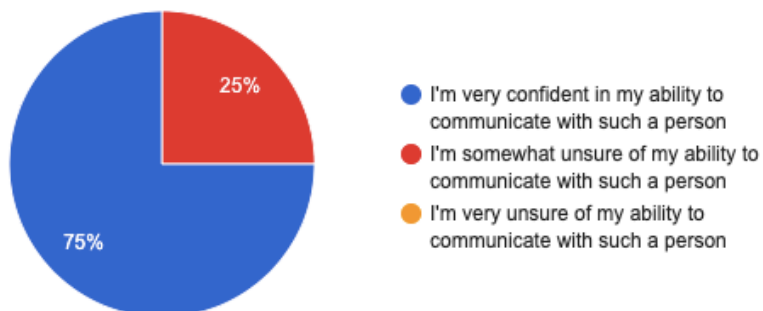
Student Feedback

Collaboration

My preference for working on a project is:



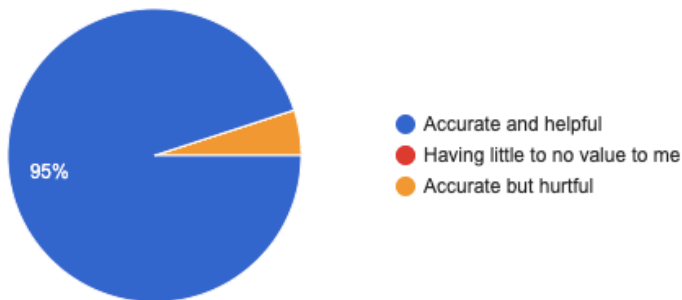
Which of the following best describes your comfort level when having a conversation with someone you find intimidating or difficult?



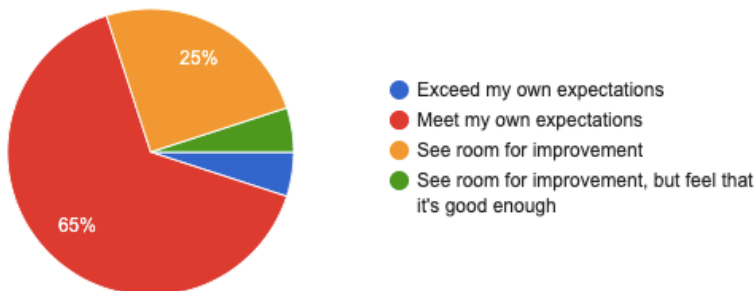
Student Feedback

Self-Reflection

When other people evaluate my work or performance, I usually view their feedback as:

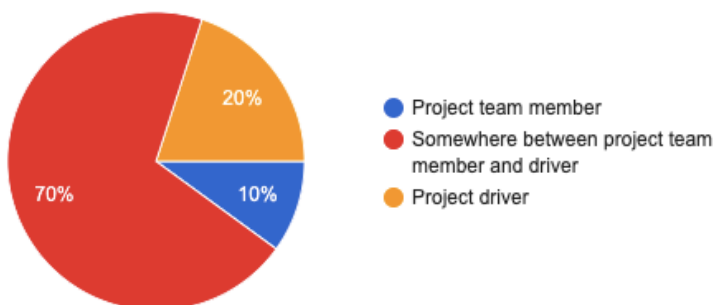


When evaluating my own work, I usually:



Self Management

The following role best describes me (currently)



Student Feedback

What aspect or event did you like most about the program?

My favorite event about PCCAPS is when we went to go visit Lassonde, another aspect I like was when we played games as a class

Being around cool people and learning some cool new stuff about the real world.

I liked how we had projects that gave us a chance to be independent as well as learning from our teachers.

Working with professionals in different work areas along with the creative freedom and problem solving that my group was given.

The community feeling

Great connections, speakers were eye opening

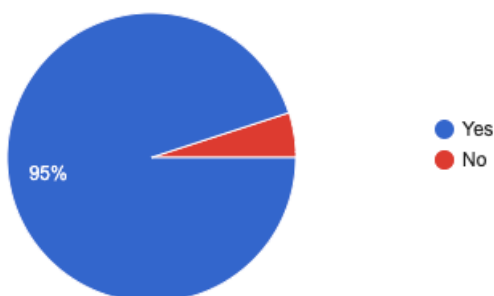
The independent aspect of dealing with a company and being responsible for getting work done for adults.

The lego town building.

Great program that overall is a awesome class that doesn't feel like school but real life.

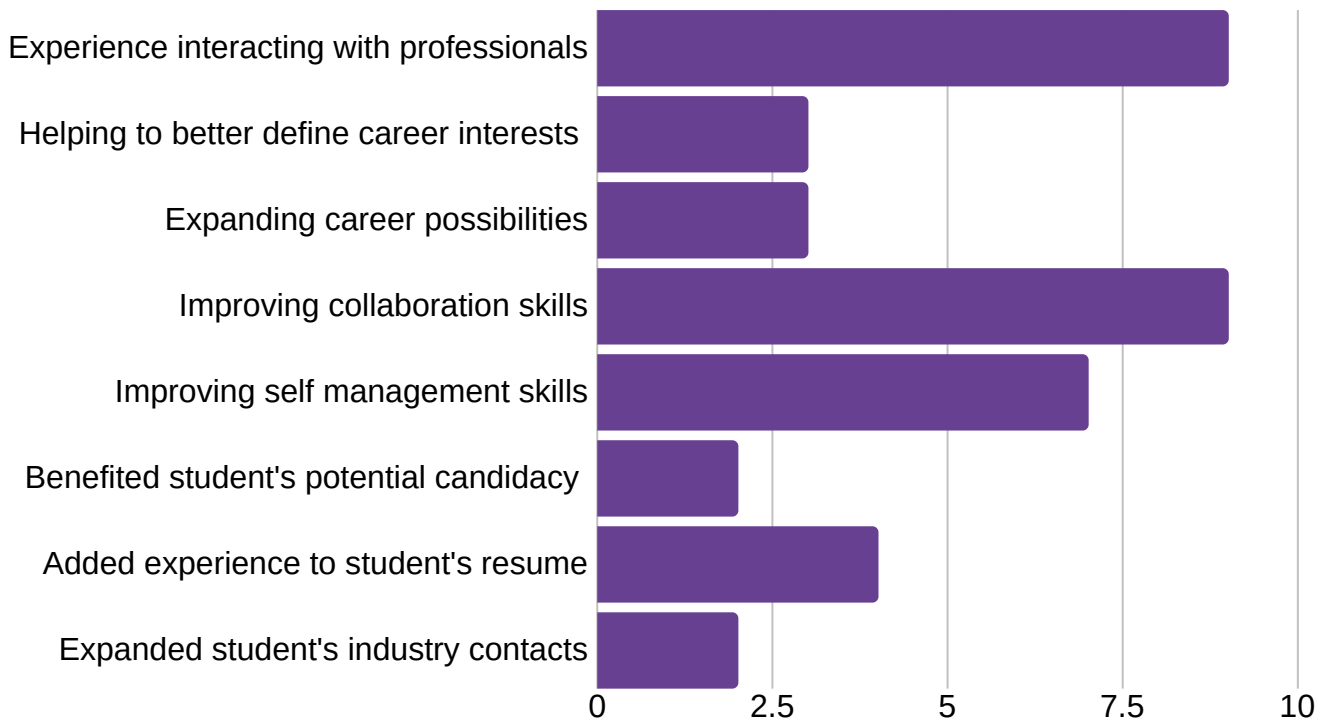
I really enjoyed my time at PCCAPS, I learned a lot of things about business and learned new strengths that I have.

Would you recommend enrolling in PCCAPS to a fellow student?

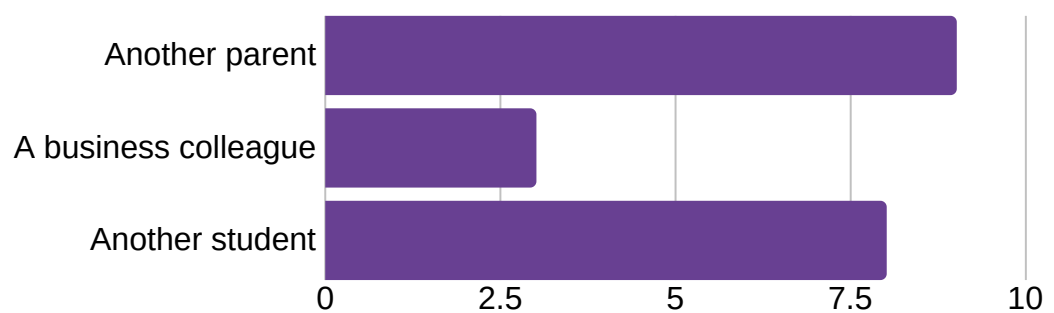


Parent Feedback

I believe PCCAPS benefited my student by...



I would recommend the PCCAPS course to



PROGRAM REACH

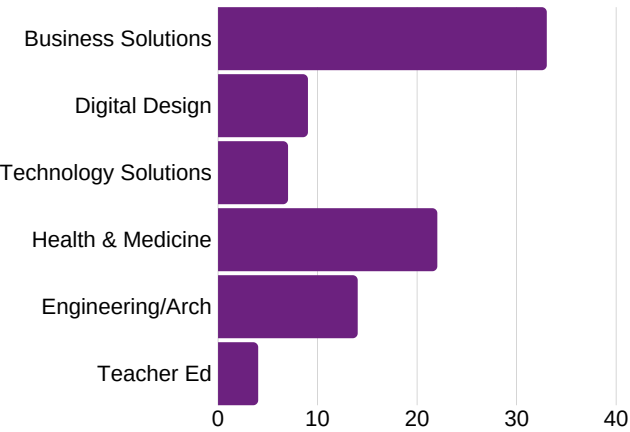
2019-20 Enrollment & Demographics

2020-21 Enrollment & Demographics

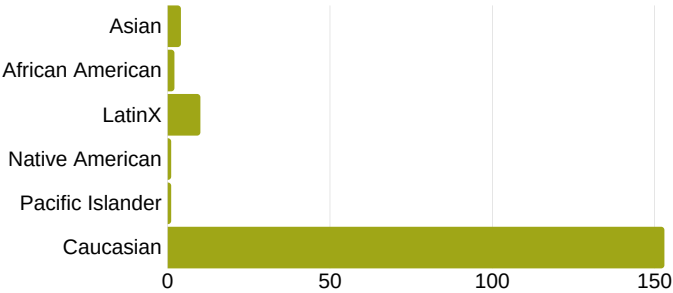
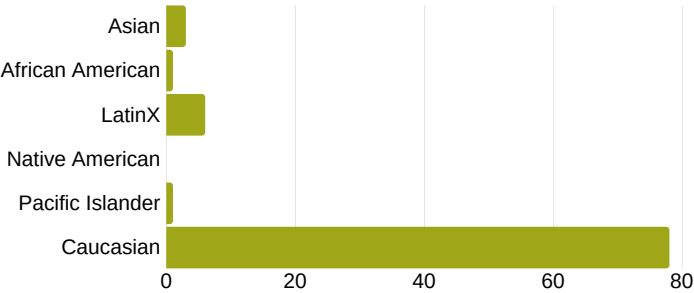
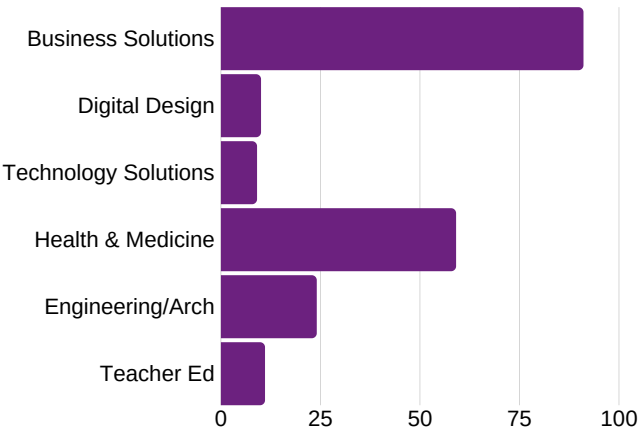
***Enrollment Increase of 138%**

ENROLLMENT

2019/2020 (89)



2020/2021 (212)



STUDENT EXPERIENCE

Student Expectations

Focus on Core Skill Development

Piloting New Curriculum

Supporting Student Resumes

Field Trips

Student Projects (Fall & Spring)



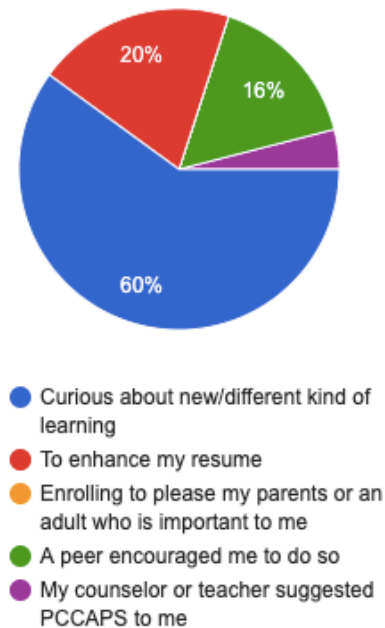
Student Expectations

Survey results indicate curiosity is the driving factor (60%) for enrolling in the program. Second to that is a desire to build one's resume. This gives us direction on ways to meet student expectations while striving to reinforce Success Skill development.

We also see that 16% of enrollees were encouraged to sign up by a peer. This tells us that student-to-student recommendations are a key source for program participation.

Finally, it appears there is room for improvement in our efforts to empower academic counselors to more confidently recommend enrollment.

My main reason for enrolling in PCCAPS is:



Focus on Core Skills

This past school year we chose to orbit all programming around the 7 Success Skills, also referred to as "21st Century Skills" or "soft skills."

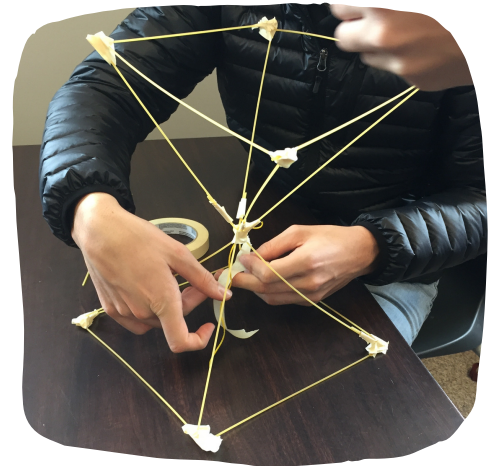
This gave all adult members of the project the ability to reference back to the most important aspects of the student experience. The project-based learning experience is less about developing experts and more so about skill development. Through new programming efforts, we intend to provide students opportunities to flex and develop these critical competencies.



Red Friday Programming

This past Spring semester, class time on Red Fridays was set aside for 1) fun group activities aimed at reinforcing the core Success Skills, and 2) opportunities to interact with visiting business leaders and gain varied perspectives.

The Red Friday activities described below also reveal human behavior patterns (productive and unproductive) which students come to understand as an important aspect of PCCAPS project success.



Core Skill / Topic	Activity Name	Purpose
Effective Communication	The Human Knot	Effective Communication is essential in this race for small groups to physically untangle themselves.
Problem Solving	Marshmallow Spaghetti Tower	Teams of students aim to build the tallest structure using unstable materials. Then, they compare their process to others.
The Beauty of Failure	Guest Speaker	Open discussion and perspective sharing regarding "failure."
Collaboration	Spike Ball Tournament	Much like doubles tennis, collaboration is key between a pair whose objective is to make it impossible for the opposing team to return their serve.
Workplace Bias	Guest Speaker	Open discussion and perspective sharing regarding data from the Women in the Workplace Report.
Self-Reflection	5 Ways to Get More Comfortable with Criticism	Open discussion and perspective sharing on criticism.
Effective Listening	How to Figure Out What Someone Is Really Saying	Activity designed to build listening skills.

Shifting from project contributor to project "driver".

At PCCAPS, Scrum has been adopted as the workflow system for students, instructors, mentors and business clients. Scrum solves many work habit problems, while at the same time, training students on industry workflow language they will inevitably encounter. Scrum facilitation is also an in-demand project management career field most students have never heard of. Scrum is a toolkit students can access to become more self-managing, collaborative and self-reflective. Project partners and mentors appreciate the structure it provides relative to student progress reporting, roadblock identification, and delivery progress.



Scrum

Scrum is an Agile project management system which was developed here in Utah by software industry leaders, Jeff Sutherland and Ken Schwabera. Scrum facilitates team collaboration on complex projects. Companies which have adopted Scrum or other Agile workflow systems include Spotify, Salesforce, Delta, Google, Yahoo, Microsoft, Facebook, Adobe, Nokia, Siemens, BBC, CNN, General Electric, Bank of America, and many others.

Scrum Curriculum Refinement & Pilot

Innovator, and junior high computer science teacher, Ben Mueller, enthusiastically collaborated with PCCAPS by sharing his Scrum Lego lesson. We then adapted, refined and documented the lesson into two versions - multiple class period and single class period. Two non-PCCAPS instructors at Park City High School requested the lesson for their students, which allowed us to further refine the material and program touch-point opportunity for PCCAPS.

Click the presentation thumbnail to the right in order to view the curriculum.



Tangible Support for Student Resumes

Understanding a company's tech stack will help young people understand what skill sets matter to employers, and therefore what pathway choices to make. One can independently seek certifications, which will demonstrate proof of experience with a particular software or skill. Such certifications can be added to resumes, LinkedIn profiles and email signatures. Demonstrable skill sets, in addition to or in lieu of traditional college degrees, can make the difference in competing for internships and jobs.

Students exiting PCCAPS will have gained experience with all or most of the platforms listed under each strand below. These platform brand icons can make their way onto resumes, not to mention the PCCAPS project experience itself. GitHub, specifically, is a hosting environment for original code projects and often serves as a candidate's "portfolio" when interviewing. Strands such as Business Solutions and Technology Solutions require students to earn certifications. The "badges" earned from those certifications can be added directly to resumes.

Technology Solutions



Engineering & Architecture



Health & Medicine



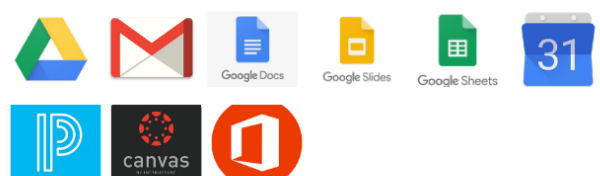
Digital Design



Business Solutions



Teacher Education

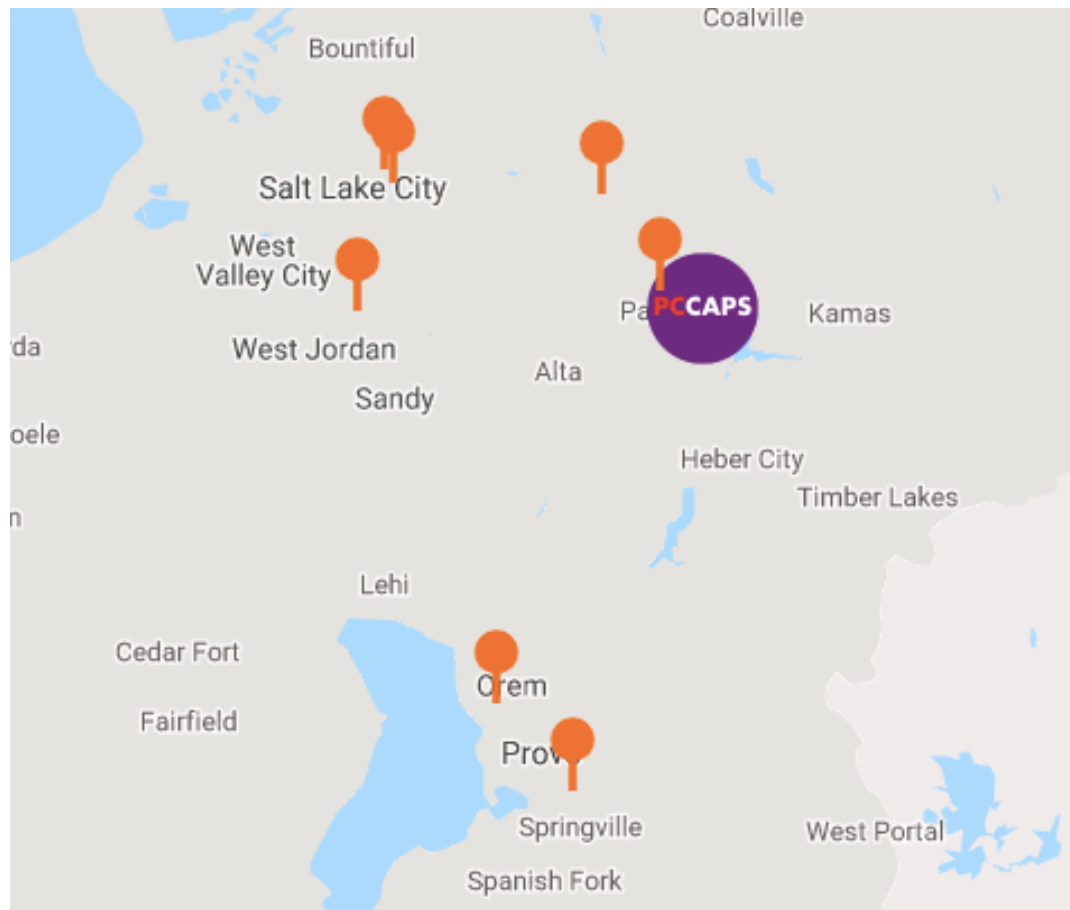


Field Trip Experiences

Hall Labs
 Vanderhall Motor Works
 Lassonde Entrepreneur Institute, University of Utah
 Utah Valley University Cadaver Lab
 Utah Valley University Health Career Fair
 The Orthopedic Speciality Hospital (TOSH)

Heiden Orthopedics
 Shriners Hospital for Children

Of note:
 PCCAPS took the lead in organizing a trip to the annual SheTech Explorer Day (April 15) prior to the COVID-19 dismissal.



Student Projects - Spring 2020

★ = Top 3 Semester Project



Innovative Marketing Challenge

Business Solutions



Green Business Member Development

Business Solutions



Innovative Talent Recruitment

Business Solutions



SM Influencer for Product Launch

Health & Medicine and Business Solutions



Student Activity Access Survey

Health & Medicine



Student Medical Lab Design and Equipment

Health & Medicine



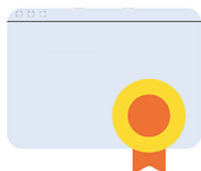
Innovative Marketing Challenge

Business Solutions



Residential Hydroelectric Turbine

Business Solutions



Industry Certification Website for Students

Business Solutions



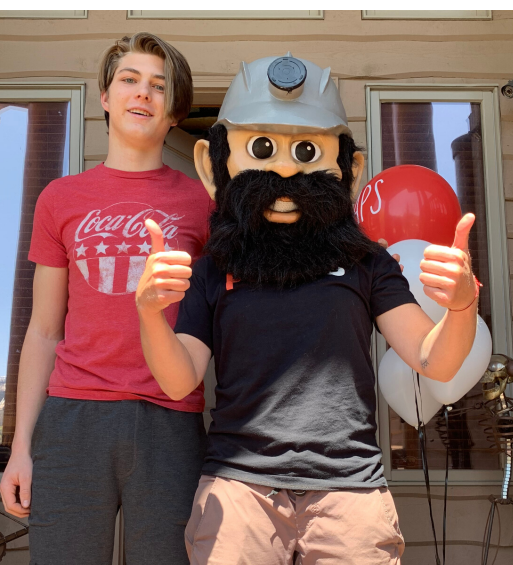
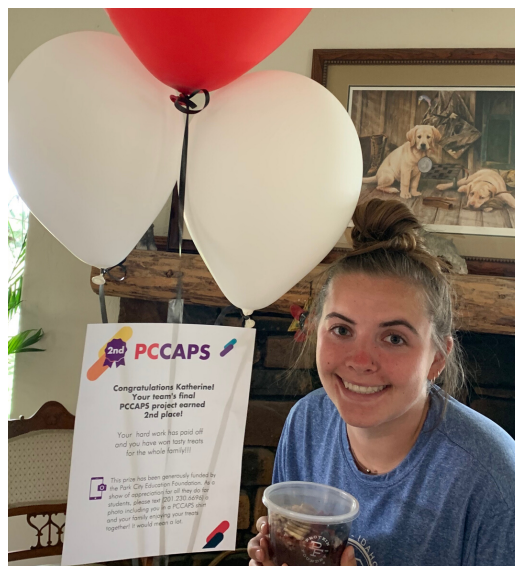
Athlete Nutrition Cart - Build & Business Plan

Health & Medicine and Business Solutions

Spring 2020 Remote Student Showcase

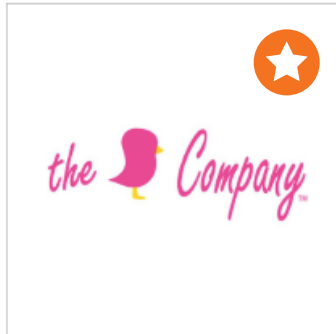
PCCAPS Spring semester students received a delicious treat at their doorstep to celebrate their accomplishments during this unprecedented time. Thanks to an Express Grant from Park City Education Foundation, the PCCAPS program was able to replicate it's end-of-semester student project showcase celebration, albeit a socially distant experience.

Pictured below: Molly Gallagher, First Place (PCCAPS Business Consulting Portfolio of Projects); Katherine Luebbers, & Harrison Keating, Second Place (Literal App Innovative Features); Jack Engel, Third Place (Hydroelectric Turbine for Residential Application); Zach Robinson, Runner Up (Athlete Nutrition Cart); and Manny the Miner.



Student Projects - Fall 2019

★ = Top 6 Semester Project



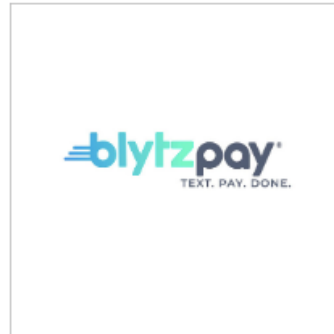
Branding & Digital Production

Digital Design



Visitor Survey Programming

Business & Software Solutions



Competitive Analysis & Social Media Calendar

Business Solutions



Orthopedic Surgery Observation

Health Sciences



Product & Social Media Optimization

Business Solutions



Talent Retention Analysis

Business Solutions



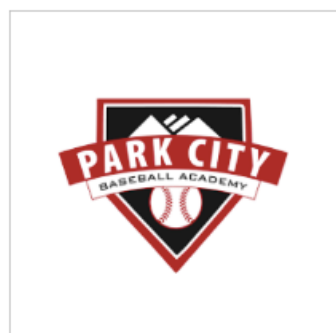
Product & Website Optimization

Business Solutions



Athlete Nutrition Cart

Health Sciences & Engineering



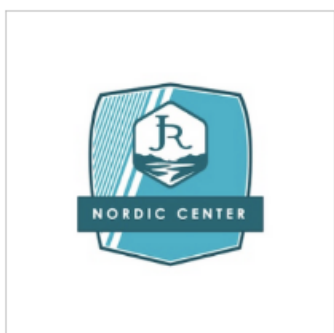
Business & Marketing Plan

Business Solutions & Health Sciences



Website Creation

Digital Design



Brochure Redesign

Digital Design



Energy Storage & Software

Engineering

Student Projects - Fall 2019

★ = Top 6 Semester Project



Dance Therapy for Motor Skills

Health Sciences



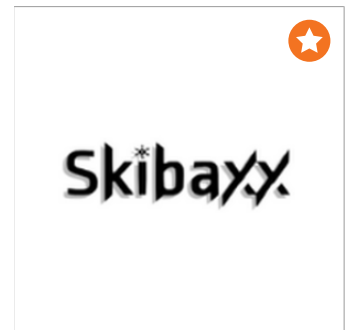
Pelvic Floor Health Education

Health Sciences



Vertical Garden 2.0

Engineering



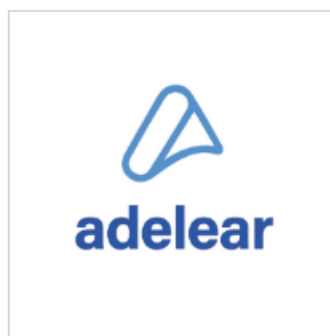
Entrepreneurial Outdoor Product

Engineering



Game Development

Software Solutions



GIS Data Management

Software Solutions



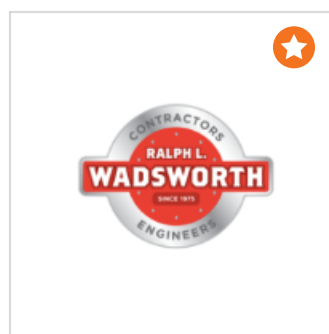
Cuncussion Education Videos

Health Sciences



ACL Injury Prevention for PCHS

Health Sciences



Civil Engineering Inspection System

Engineering



Residential Unit & Amenity Design

Engineering



Microhome Community

Engineering



Music Video Production

Software Solutions

Student Projects - Fall 2019

 = Top 6 Semester Project



Talent Recruitment Webpage

Software Solutions



UV Sensor App & Device Housing

Software Solutions



Talent Retention Analysis

Business Solutions

Fall 2019 Student Showcase

In collaboration with Park City Library, we conducted the end-of-semester PCCAPS project showcase of the top 5 projects as determined by an initial round of impartial voting. The night included an audience of 60 attendees including industry guest judges and parents. The UV Sense App development project won 1st place that evening.

Pictured below, left to right:

Dylan Kay & Michal Biskup presenting their invention & business plan for Skibaxx; Carley Rogers & Ramsey Rea presenting Method Studios; Alex Obradovich & Kaleb Barnhart presenting Bear Canyon Bridge; Kristina Schiffman & Iva Chho presenting UV Sense App; Michal Patton & Oliver Barlow & Franchesca Bautista & Daniel Dominguez & Taylor Farnwell presenting Chicks Company; Kaden Salem & Skyler Jalili presenting Hallo.



LOOKING AHEAD

Planning for Remote Project Based Learning

Blending Assigned & Self-selected Projects

New Strand Vision: PCCAPS Sustainability

Future Project Partners

Planning for Remote Project-Based Learning

In the event school attendance is restricted in the Fall, we are vetting ideas and envisioning what a remote PCCAPS experience will look like for partners, students, mentors and instructors. This includes how can the Scrum Lego build be converted to a virtual environment.

Gathering resources & best practices unique to project-based learning include:

- Participation in a June planning session with PCCAPS instructors
- Virtual participation in the CAPS Network Annual Summer Huddle
- Tuning into thought-leader resources offered by PBL.org
- Leveraging the CAPS Network CO-LAB database for student project resources

Blending Assigned & Self-Selected Projects

Answering the call to some student feedback suggesting preference for self-selected projects, we are piloting a project discovery method with next year's Health & Medicine strand students. These students will have 100% input on the subject matter of their project while PCCAPS provides the scaffolding for project design, bench marking, consistent feedback and presentation delivery.

Project partners for the 2020-2021 school year

We are pleased to announce a preliminary roster of project partners:

Summit County Sustainability Office
 STRT
 Skill Struck
 Playing For Life Foundation
 Stardust Sustainables
 Power to Shred
 Columbus Pacific Development
 MHTN Architects
 Method Studios

Elliot Workgroup
 Wadsco
 Project Embrace
 Hill Airforce Base Engineering Dept.
 HERE
 Adelear
 Collective Medical
 National Ability Center
 U.S. Ski & Snowboard

New Strand Vision: PCCAPS Sustainability



Career Outlook

The Environmental Defense Fund which trains and places sustainability specialists within corporate organizations (Climate Corp Fellowship Program) reports that: “demand for climate-related jobs has nearly doubled in the last five years.” Job creation in this area is projected to grow by almost 3% per year.

Skill Demand

Careers in environmental sustainability require skill sets that align with the PCCAPS Project-Based Learning Model: self-management, project management, collaboration, and public speaking. Beyond just activism (raising consciousness), sustainability careers require business analytics and engineering experience.

Student Demand

Park City High School's Earth Club exceeds 100 student members (10th, 11th, and 12th grade). This equates to high demand for environmental sustainability projects. Earth Club leadership is interested in formulating a multi-year action sustainability plan to achieve “Green School” status by 2023. They desire to improve the way the school district, and more specifically the high school, consume goods and manages waste.

Community Demand

Students have taken notice that the district has not formally adopted a Sustainability Action Plan, unlike city and county jurisdictions. Summit County's Office of Sustainability has committed to several sustainability goals by 2032 and Park City has pledged its operations to run on 100% renewable electricity by 2022. Not only are students willing to develop similar goals for the district, representatives from both the city and county offices have extended themselves as mentors to student progress.

Vision

PCCAPS is the perfect ecosystem to host student led sustainability action plan development and implementation. This strand would appear in the course guide along with the existing strands and attract those with desires for careers in sustainability. This strand would have a unique set of mentors with experience in the business and design side of sustainable projects.

MEET THE TEAM

Administration & Instructors



Lyndsay Huntsman

Director



Rachel Pittard

Project Coordinator



Debra Corrigan

Digital Design



Chris Humbert

Engineering



David Feasler

Business Solutions



Kelly Henderson

Software Solutions



Jared Romero

Health Sciences

Advisory Committee



Lyndsay Huntsman
Director, PCCAPS



Rachel Pittard
Project Coordinator, PCCAPS



Carson Young
CEO, **H2ONE**



David Feasler
Instructor, PCCAPS
Business Teacher, PCHS



Jess Griffiths
Board Member,
Park City Education Foundation



Bruce Emerson
PCCAPS Mentor
eCommerce & Business
Development Consultant



Jamie Weekes
PCHS Assistant Principal



Parker Gentry
Founder, **Skill Struck**



Ben Rifkin
PCCAPS Mentor
Ten Eighty



Caleb Fine
Principal,
Treasure Mountain Jr. High School



Josh Finken
Principal Engineer,
Highly Automated Driving Group
HERE Technologies

ABOUT PCCAPS

A Member Of



A member of the national CAPS Network, and supported by Park City Education Foundation, the Park City Center for Advanced Professional Studies (PCCAPS) is an elective for Park City School District 11th and 12th graders. Student experience is guided by the principles of Project-Based Learning (PBL), a teaching method in which students learn by actively engaging in real-world and personally meaningful projects. In combination with fundamental knowledge, PBL models facilitate growth in: collaboration, problem solving, self-management, effective communication, perseverance and good work habits. PCCAPS provides a supportive environment where students self-discover how real-world teams function to produce solutions and deliverables. Volunteer mentors from a wide range of professions serve to support program goals by offering project feedback throughout the semester. More information about PCCAPS can be found at parkcitycaps.com

Generously Supported By



We're changing the equation