

EDUCATIONAL TECHNOLOGY PROPOSAL

COMPTON INNOVATION CENTER

Presented by Hacker Fund



Overview

NOVEMBER 14, 2018

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Purpose

Create career pathways in S.T.E.A.M.

We will expose CUSD students to career pathways through educational events and access to industry mentors.

Expand CTE program infrastructure

We will design an environment that increases the facilitation of project-based learning activities that satisfy CTE pathway concentrations.

Empower local innovators

We will create a homebase for entrepreneurship and professional development for Compton stakeholders.

Presenters

Hacker Fund is a 501(c)(3) nonprofit that has been in operation since 2014. Our team members have developed innovation centers with the following organizations: LA Makerspace, CTRL Collective, and Rhubarb Studios.



Gemma Busoni

Board Member



Ishmael Philip

Board Member



Justin Brezhnev

Executive Director



Career Pathway Program

CTE Integration

The center will be designed to facilitate 7 of 15 CTE Pathway Concentrations, including *Engineering & Architecture* and *Information & Communication Technology*.

Hackathons & Hack Days

We will host project-based learning activities and innovation marathons using the makerspace and hardware/software libraries.

S.T.E.A.M. Fest & Job Fairs

We will expose students to industry professionals from the Hacker Fund network, including mentors from Google, Microsoft, Unity, Digital Ocean, and more!

Professional Membership

Makerspace & Coworking

Members will receive access to rapid-prototyping tools, multimedia labs, collaborative workspace, and computers.

Mentorship & IT Resources

Members will receive sponsored IT subscription services, repositories of IT development frameworks, and coaching sessions from technology & business mentors.

Community Events

Members can attend events that promote entrepreneurship, civic hacking, recruitment, and more!





Accelerator Program

Fiscal Sponsorship

Members who pursue nonprofit projects will be able to solicit tax-deductible donations to fund their programs.

Fundraising Tools

Members will receive access to corporate sponsorship software, donation platforms, and grant databases.

Demo Days

Members will have the opportunity to showcase their projects to city officials, donors, and social impact investors.



Metrics

HOW WILL WE MEASURE SUCCESS?

- Number of innovation center members
- Number of community event participants
- % of students that graduate through CTE
- % of graduates who pursue S.T.E.A.M. careers
- Number of prototypes/organizations created

Space

With the help of CUSD administrators, we have selected Centennial High School as the ideal venue. The Career Pathway Program will be offered only to CUSD students and will run from 8am - 4pm (tentatively); the Professional Membership & Accelerator Program will be offered to the general public on late afternoons/evenings & weekends.



Resource Library

Electronics, VR headsets, software services, online tutorials, etc.



Makerspace

3D printers, laser-cutters, and other prototyping tools



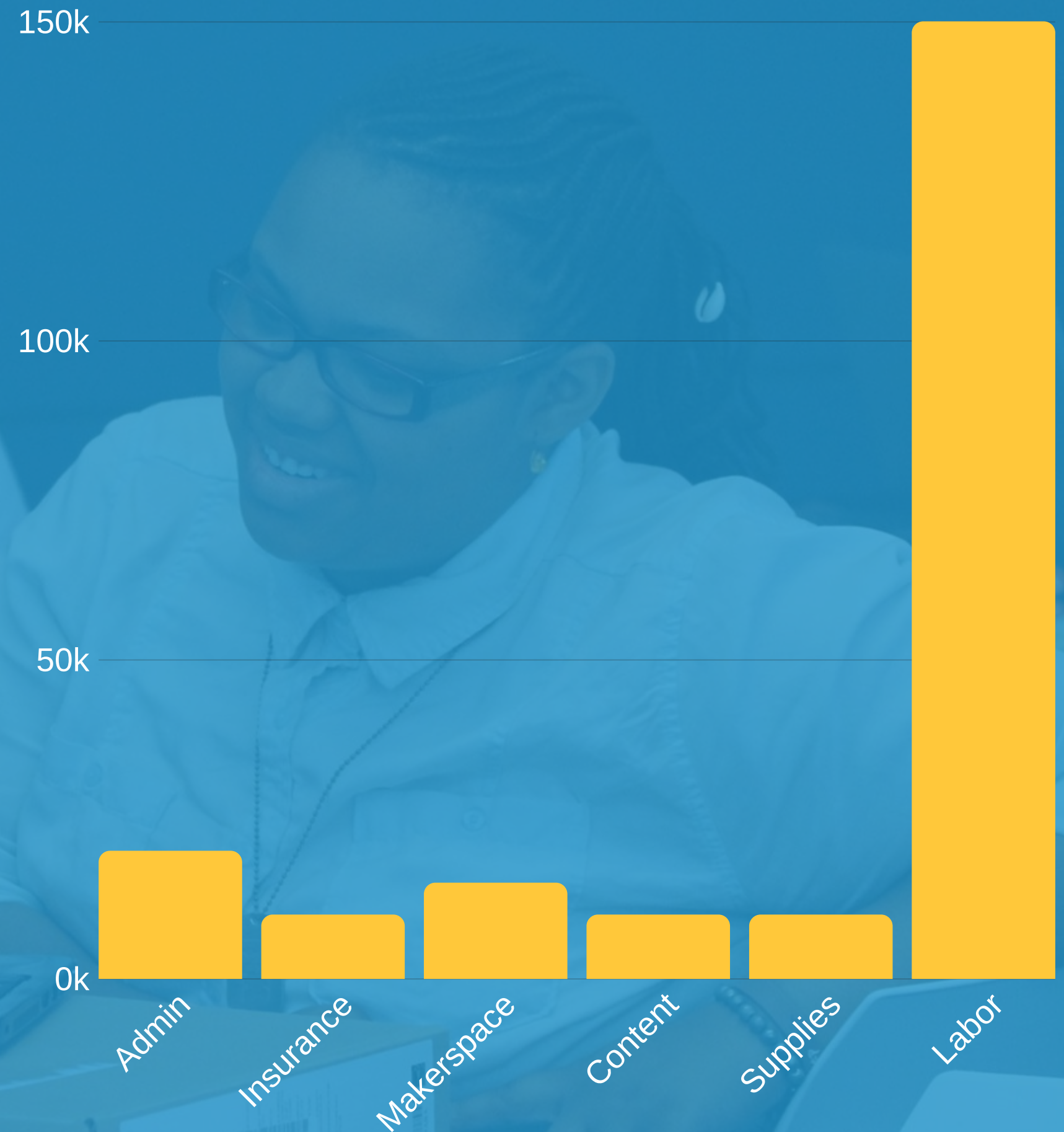
Coworking

Work tables, soldering stations, computer labs, and meeting areas

Budget

YEAR 1

Hacker Fund will procure sponsorships, grants, and equipment donations to fund the development and operation of the Compton Innovation Center. Professional memberships will be offered via discounted subscriptions in order to introduce a pathway to sustainability for the center. Students of CUSD will receive free admission.



Timeline

9 MONTHS TO LAUNCH

Planning

Team meets with CUSD Board to secure letter of intent to proceed.

Fundraising

Team procures equipment donations and financial support.

Content-Creation

Team creates industry-relevant educational curriculum.

Training

Team recruits and trains staff for operation of new center.

The background of the image is a photograph of a robotic arm, possibly a Universal Robots model, with a blue semi-transparent overlay. The arm is positioned on the left side of the frame, with its gripper extended. Various cables and components are visible on the arm and the table it sits on.

QUOTE OF THE DAY

"If I have seen further,
it is by standing on the
shoulders of giants."

Sir Isaac Newton

Contact Us



Mailing Address

3435 Ocean Park Blvd. #107 PMB 124
Santa Monica, CA 90405



E-mail Address

team@hacker.fund



Phone Number

(213) 785 - 7382

