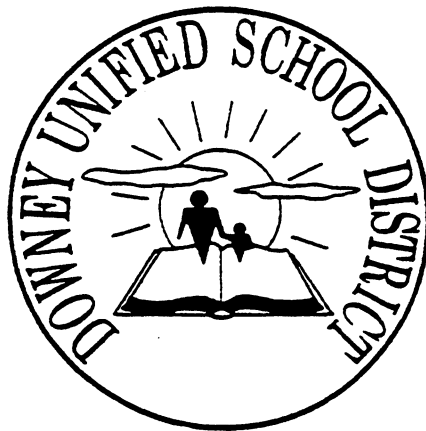


**BOARD OF EDUCATION**  
**DOWNEY UNIFIED SCHOOL DISTRICT**



**AGENDA**  
**January 26, 2021 - SPECIAL MEETING**

**PACE TRAINING CENTER**

**9625 Van Ruiten Street**

**Bellflower, CA 90706**

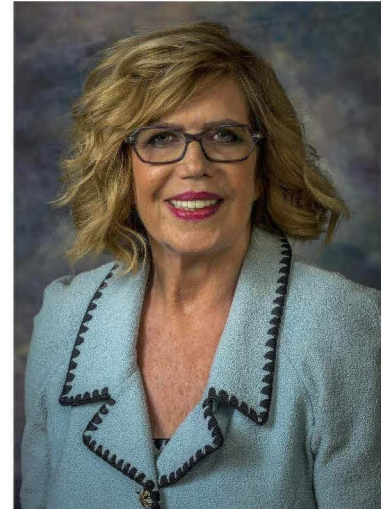
# Board of Education



Vice President  
Barbara R. Samperi



President  
D. Mark Morris



Clerk  
Martha E. Sodeani



Member  
Giovanna Perez-Saab



Member  
Jose J. Rodriguez



Member  
Linda Salomon Saldaña



Member  
Nancy A. Swenson



Superintendent  
John A. Garcia, Jr., Ph.D.



# Special Board of Education Meeting

**January 26, 2021**

**Open Session - 4:00 p.m.**

Meeting held Virtually  
Electronically or Telephonically

In accordance with Governor Newsom's Executive Order N-29-20, and as a response to mitigate the spread of Coronavirus known as COVID-19 by practicing social distancing, the meeting of the Board of Education will be conducted virtually. There will be no public meeting space.

**How to Connect to the Meeting electronically/telephonically:**

**Zoom Information:**

**<https://dusd-net.zoom.us/j/84281114319?pwd=Y2NyQitLQ0NSUWh5d3N3MndpTi81QT09>**

**Passcode: 529814**

**Telephone Number: (408) 638-0968 or (669) 900-6833**

**Webinar ID: 842 8111 4319**

**Passcode: 529814**

**Public Comment:**

Persons who want to comment on agendized items **only** are invited to submit comments via email to **publiccomment0126@dusd.net** by **Tuesday, January 26, 2021, at 3:00 p.m.** All public comments regarding agendized items only will be read into the record at the meeting. Please limit comments to 300 words or less (3 minutes).

## AGENDA

*In accordance with Governor Newsom's Executive Order N-29-20, and as a response to mitigate the spread of Coronavirus known as COVID-19 by practicing social distancing, the Meeting of the Board of Education will be conducted virtually. There will be no public meeting space. To connect to the meeting electronically or telephonically, see information below:*

<https://dusd-net.zoom.us/j/84281114319?pwd=Y2NyQitLQ0NSUWh5d3N3MndpTi81QT09>

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*To connect to the meeting by telephone, see information below:*

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*Persons who want to comment on agendized items only are invited to submit comments via email to [publiccomment0126@dusd.net](mailto:publiccomment0126@dusd.net) by Tuesday, January 26, 2021, at 3:00 p.m. All public comments will be read into the record at the meeting. Please limit comments to 300 words or less (3 minutes).*

*In compliance with the American Disabilities Act, those requiring special assistance to access the Board Meeting room, written documents being discussed at the Board Meeting, or to otherwise participate in Board Meetings, please contact the Superintendent's Office at 562-469-6511 at least 48 hours prior to the meeting to accommodate reasonable requests.*

### I. GENERAL BOARD FUNCTIONS

#### 1. CALL TO ORDER

Call to Order by Mr. D. Mark Morris, President of the Board of Education, at 4:00 p.m. on Tuesday, January 26, 2021, in the Pace Training Center, 9625 Van Ruiten Street, Bellflower, California.

#### 2. FLAG SALUTE

Renewal of the Pledge of Allegiance to the Flag of the United States of America to be led by Mr. Jose J. Rodriguez, Member of the Board of Education.

#### 3. INVOCATION

Invocation to be delivered by Mrs. Giovanna Perez-Saab, Member of the Board of Education.

#### 4. ROLL CALL

D. Mark Morris  
Barbara R. Samperi  
Martha E. Sodetani  
Giovanna Perez-Saab  
Jose J. Rodriguez  
Linda Salomon Saldaña  
Nancy A. Swenson



*John A. Garcia, Jr., Ph.D.*

5. ADOPT Agenda #14 for the Special Meeting of the Board of Education held on January 26, 2021.
6. RECEIVE correspondence and refer it to the proper order of business or to the Superintendent for handling.
7. HEAR Public on items appearing on the Agenda.

## **II. GENERAL ADMINISTRATIVE**

1. HEAR a Return to School update from Dr. Roger Brossmer and Dr. Wayne Shannon, Assistant Superintendents of Educational Services, and DISCUSS the Return to School Plan for the 2020-21 school year.
2. HEAR a presentation from John Harris, Director of College and Career Readiness, regarding Board of Education consideration of modifying graduation requirements for the Class of 2021.
3. APPROVE Service Agreement No. 202021-261 with Bayha Group to implement the MADE Ready Internship program, formally known as the MADE Work Experience program, to provide Downey Unified students with paid internships through the Spring and Summer of 2021 as written into Downey Unified's successful CTE Grant proposals. 5
4. APPROVE Service Agreement No. 202021-262 with 2 Degree Shift for Advanced Manufacturing and Welding Pathways to develop Advanced Manufacturing and Welding Pathways that mentor teachers, assess and plan equipment needs, address industry opportunities, articulate with local community colleges, and support student attainment of certification to obtain livable wage jobs upon graduation for Downey Unified students. 18
5. APPROVE Service Agreement No. 202021-263 with 2 Degree Shift for Open-Source Downey in order to implement as a regional lead and statewide contributor to Open Education Resources and Open Source CTE courses, teacher onboarding and support materials, and student learning materials. 27

## **III. ITEMS FOR FUTURE AGENDA**

## **IV. NEXT MEETING**

The next meeting of the Board of Education will be a Regular Meeting to be held on Wednesday, February 10, 2021, at 4:00 p.m., in the Pace Training Center, 9625 Van Ruiten Street, Bellflower, California.

## **V. CLOSED SESSION**

Retire into Closed Session to discuss:


- a. Potential Litigation
- b. Public Employment - Certificated Administration/Classified Management
- c. Discipline/Dismissal/Release
- d. Negotiations
- e. Threat to Public Services or Facilities (Government Code Section 54957)
- f. Conference with Real Property Negotiators - Possible Joint Use Agreement with the YMCA at Sussman Middle School

## **VI. ADJOURNMENT**

ADJOURN the Regular Meeting of the Board of Education at the specified hour with the consent of the Board Members.

**Note: The Superintendent's recommendation for action on each agenda item is indicated by the word appearing in CAPS.**

*Any writings or documents that are public records are provided to a majority of the governing board regarding an open session item on this agenda will be made available for public inspection in the District Office located at 11627 Brookshire Avenue, Downey, California during normal business hours or at [www.dusd.net](http://www.dusd.net).*

**II. 3. APPROVE Service Agreement No. 202021-261 with Bayha Group to implement the MADE Ready Internship program, formally known as the MADE Work Experience program, to provide Downey Unified students with paid internships through the Spring and Summer of 2021 as written into Downey Unified's successful CTE Grant proposals.** 

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### Supporting Documents



scan0498

DOWNEY UNIFIED SCHOOL DISTRICT  
11627 Brookshire Avenue  
Downey, CA 90241  
(562) 469-6500

**SERVICE AGREEMENT**  
**Agreement No. 202021-261**

THIS AGREEMENT made and entered into this 4 of January, 2021 by and between Bayha Group, hereinafter called the **SERVICE PROVIDER** and the **DOWNEY UNIFIED SCHOOL DISTRICT**, hereinafter called the **DISTRICT** mutually agree as follows:

1. **Service Description.** SERVICE PROVIDER will perform the services described below, or if additional space is needed, attached as Addendum A "Scope of Work" and made a part thereof. The scope of work (SOW) falls under the scope of and is governed by the District Agreement, and if there are any conflicting terms between the SOW and the District Agreement, the terms in the District Agreement shall prevail and govern.  
Implement MADE Ready virtual internship program - see attached scope of work.
2. **Cost of Services.** The DISTRICT agrees to pay SERVICE PROVIDER the total contract price of: \$ 736,500 fixed price, not to exceed \$ 736,500 for the services. SERVICE PROVIDER shall provide an invoice to DISTRICT monthly showing an accounting of work completed. Invoices should be submitted to Accounts Payable Department, Downey Unified School DISTRICT, 11627 Brookshire Avenue, Downey, CA 90241.
3. **Include W-9.** Internal Revenue Service Form W-9 must be completed and included with the agreement.
4. **Term.** The term of this agreement begins January 4, 2021 and will terminate on or before June 30, 2021 provided all services under this Contract are performed in a satisfactory manner. The determination of a satisfactory performance shall be in the sound and reasonable judgment and discretion of the DISTRICT. This agreement may be terminated by either party with a thirty (30) day prior written notice.
5. **Background Check and Fingerprinting.** SERVICE PROVIDER will be responsible to fully comply with the provisions of the Education Code Section 45125.1 when it is determined that the SERVICE PROVIDER or SERVICE PROVIDER's employees/subcontractors will have more than limited contact with DISTRICT students in the performance of the work of the Agreement.



6. **Insurance.** As a condition precedent to this Agreement, SERVICE PROVIDER shall procure and maintain, for the duration of this Agreement and any renewals thereof, the following insurance coverages with insurance carriers that are admitted or authorized non-admitted insurers by the State of California and with a rating equivalent to an A:VII by A.M. Best Company:

***General Liability:***

- a. Commercial General Liability with a \$1,000,000 each occurrence, \$2,000,000 Aggregate Limit of Liability per occurrence for Bodily Injury, Personal and Advertising Injury and Property Damage.
- b. SERVICE PROVIDER's insurance to be primary and non-contributory.
- c. DISTRICT to be named as "Additional Insured" by separate endorsement naming the DISTRICT, its board, officials, employees, and agents as additional insureds.

***Automobile Liability:***

- a. \$1,000,000 Each Accident Limit of Liability for Bodily Injury and Property Damage.
- b. Coverage to include "Owned, Non-Owned, and Hired" automobiles.

***Workers' Compensation/Employer's Liability:***

- a. Certificate of Insurance indicating "statutory" limits.
- b. Employer's Liability, \$1,000,000 per accident for bodily injury or disease.

***Professional Liability:***

- a. \$1,000,000 Errors & Omissions/Professional Liability.

***Sexual Abuse or Molestation Insurance (if working with students/children unsupervised):***

- a. an amount not less than \$1,000,000 per occurrence and \$2,000,000 general aggregate in a form equivalent to Insurance Services Office (ISO) form CG 00 01 if the services provided by CONSULTANT under this Agreement are on DISTRICT property or on a third party's premises.

Each policy required above shall be endorsed to provide for thirty (30) days prior written notice of cancellation to the DISTRICT and to establish that coverage is primary and that any insurance or self-insurance held by the DISTRICT, its officials, employees and agents shall be excess and shall not contribute to it.

7. **Hold Harmless Agreement.** SERVICE PROVIDER agrees to defend, indemnify, and hold harmless the DISTRICT, its officers, agents, employees, and volunteers from all losses, costs, and expense arising out of any liability or claim of liability for personal injury, bodily injury to persons, contractual liability and damage to property sustained or claimed to have been sustained arising out of activities of the SERVICE PROVIDER, its sub SERVICE PROVIDERS, or those of any of its officers, agents, or employees, whether such act is authorized by this Agreement or not; and SERVICE PROVIDER



shall pay for any and all damage to the property of the DISTRICT, or loss or theft of such property, done or caused by such persons. DISTRICT assumes no responsibility whatsoever for any property placed on the premises. SERVICE PROVIDER further agrees to waive all rights of subrogation against the DISTRICT. The provisions of the Article do not apply to any damage or losses caused solely by the negligence of the DISTRICT or any of its agents or employees. To the fullest extent permitted by law, the DISTRICT, its officers, officials, employees and volunteers are to be covered as insureds as respects any and all liability arising out of, or pertaining to, products of the SERVICE PROVIDER; and with respect to liability arising out of automobiles owned, leased, hired or borrowed by SERVICE PROVIDER. The SERVICE PROVIDER's insurance coverage shall be primary insurance as respects the DISTRICT, its officers, officials, employees and volunteers.

8. **Agreement to Arbitrate.** The parties agree to arbitrate any controversy, claim or dispute between them arising out of or in any way related to this Agreement, the relationship between them, or any disputes upon termination of Agreement. Arbitration is the parties' only recourse for such claims and the parties waive the right to pursue such claims in any other forum, unless otherwise required by law.
9. **Force Majeure Clause.** The parties to the Contract shall be excused from performance thereunder during the time and to the extent that they are prevented from obtaining, delivering, or performing by act of God, fire, strike, loss, or shortage of transportation facilities, lock-out, commandeering of materials, products, plants or facilities by the government, when satisfactory evidence thereof is presented to the other party(ies), provided that it is satisfactorily established that the non-performance is not due to the fault or neglect of the party not performing.
10. **Attorney's Fees.** If any action is brought by either party against the other party hereunder, each party shall be responsible for its own expenses, including legal and accounting fees, in connection with the prosecution or defense of such action.
11. **Licenses and Permits.** It shall be the sole responsibility of SERVICE PROVIDER to obtain any needed business licenses, certificates, permits to conduct business to meet the terms of this Agreement.
12. **DISTRICT's Right of Retention.** DISTRICT shall become the owner of and entitled to exclusive possession of all records, documents, graphs, photographic or other reproductions of newly produced records as part of or resulting from this Agreement and no other uses thereof will be permitted except by permission of DISTRICT. All pre-existing Service Provider data and materials provided to District by Service Provider to assist in the performance of this Agreement shall remain Service Provider's property.
13. **Incorporation by Reference.** Any exhibits referenced herein shall be incorporated and made a part of this agreement.



14. **Notices:** Any notices to be given pursuant to this agreement shall be in writing and such notices, as well as any other document to be delivered, shall be delivered by personal service or by deposit in the U.S. Mail addressed to the party for whom intended as follows:

DISTRICT

Downey Unified School District  
Business Services  
11627 Brookshire Ave.  
Downey, CA 90241  
Contact: Debbie Black  
(562)469-6521/dblack@dusd.net

SERVICE PROVIDER

Name: Bayha Group  
Dept.:  
Address: 7875 Highland Village Pl.  
Suite B102-383  
Contact: June Bayha  
Phone/email: 858.837.1360 / june@bayhagroup.com

IN WITNESS WHEREOF, this Agreement has been accepted and agreed by the below named parties, on the date indicated below:

DISTRICT

SERVICE PROVIDER

DOWNEY UNIFIED SCHOOL DISTRICT

Bayha Group





Signature

Signature

Print Name: Christina Aragon

Print Name: June Bayha

Print Title: Associate Superintendent  
Business Services

Print Title: CEO

Date: \_\_\_\_\_

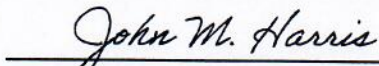
Date: 1/12/2021

***District use only below line***

Account Number to be Charged 01.0-63880.0-38000-10000-5890-7460000

John M. Harris, Director of College and Career Readiness

Name and Title of Site Administrator-Please print



1/13/21

Signature of Site Administrator

Date

Signature of Program Director ONLY IF using categorical funds

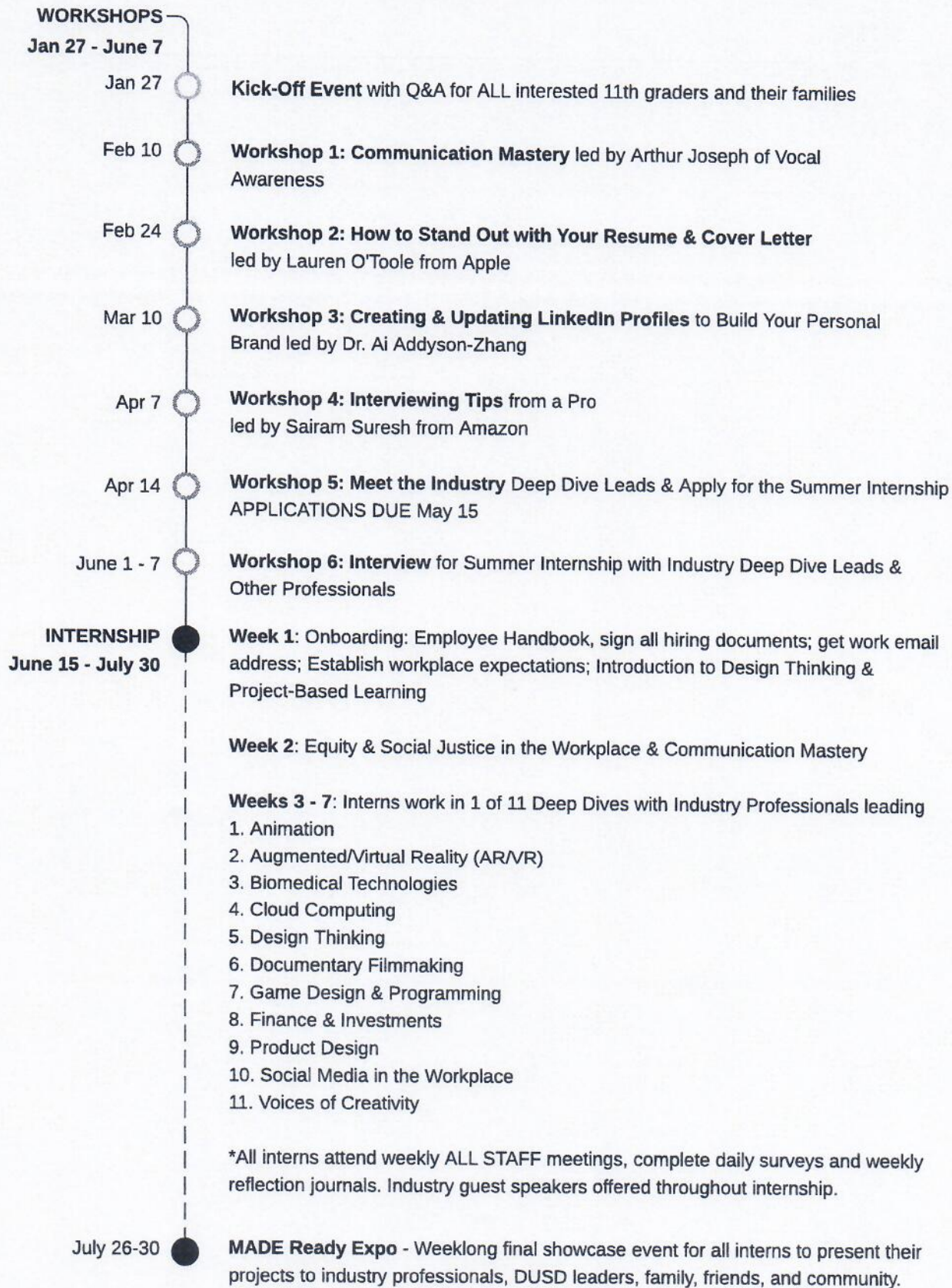
Date



**Downey Unified**  
SCHOOL DISTRICT

## MADE Ready Internship

Timeline for 2021







Downey Unified School District  
MADE Ready Internship & College Admissions Academy  
SCOPE OF WORK 2021

BACKGROUND

Since 2015, Bayha Group has been a strategic partner in supporting Downey Unified School District's \$23,818,080 grant-funded career technical education (CTE) programs including: California Career Pathways Trust (CCPT) \$5,882,229; AMETLL \$159,980; Perkins \$765,032; CTE Incentive Grant (CTEIG) \$6,323,039; Apprenticeship \$987,000; and K12 Strong Workforce Program (K12 SWP) \$4,341,733 in 2018-19 and \$5,215,929 in 2020-21.

The proposed scope of work from the Bayha Group will be funded from 3 grants the District was awarded for 2018-21: K12 SWP \$4,341,733 and for 2019-20: CTEIG \$785,481; Perkins \$154,979 (both Perkins and CTEIG are expected to be renewable annually).

PROPOSED SCOPE OF WORK

The contract period is from January 4, 2021 to August 31, 2021.

ACTIVITIES

Bayha Group will implement the MADE Ready Internship program during Spring/Summer 2021. Approximately 250-300 Downey Unified high school 11th graders will have an opportunity to participate in online work-based learning activities with industry professionals and obtain paid work experience.

2020-21 marks the 6th year of the MADE Work Experience. Year 1, 31 students participated in the summer 100-hour paid work experience; Year 2, 35 students; Year 3, 80 students; Year 4, 115 students, and Year 5, 180 students.

MADE Ready Internship Program Components

Phase 1: Recruitment and Skills-Building Workshops – all juniors invited from DHS, WHS, CHS (January – June 2021)

Students participate in online districtwide webinars facilitated by industry professionals on topics:

6 Workshops that support development of essential workplace intelligence skills and growth mindset. These skills involve interacting with people and building confidence in the workplace.

Bayha Group staff:

- Participate in regular Zoom meetings with the College and Career Readiness Department and administrators to build district capacity to lead workshops in the future.
- Work with SELACO WDB to enter a new contract with DUSD and coordinate paying all interns. Bayha Group supports the collection of weekly timesheets from all interns.



- Obtain approval from DUSD on all permission forms released to students and parents to participate in online work-based learning activities using Adobe Sign. Online activities may include, but are not limited to, the following: Zoom meetings and webinars, Mighty Networks and email communication.
- Create and implement a process to request and collect electronic signatures for media release and hiring documents from parents/guardians and students.
- Work closely with College and Career Technicians at Downey and Warren High Schools to share email communications to students and families about MADE Ready Internship.
- Engage and recruit industry professionals for Workshops and leading Deep Dives.
- Create and implement an online scheduling tool for students and industry professionals to choose which session to participate in.
- Create Zoom meeting invitations and "how-to" videos for students and industry professionals for Workshops
- Host Zoom sessions for hundreds of students to participate in 6 Workshops.
- Send out a student satisfaction survey via Qualtrics to all participants.

#### Phase 2: MADE Ready Internship

Students will participate in online work-based learning activities curated and facilitated by Bayha Group and participate in a series of mentorship sessions with industry professionals to acquire workplace intelligence skills.

Online activities to be completed by the end of July 2021.

Implement MADE Ready Internship program:

- Participate in Zoom meetings with the College and Career Readiness Department to build capacity with DUSD staff.
- Online activities may include, but are not limited to, the following: Zoom meetings and webinars, Mighty Network and email communication.

#### Timeline for Summer 2021 - MADE Ready Internship

Week 1:

ALL INTERNS: On-Boarding, Design Thinking & Project-Based Learning

- Design-Thinking process based on Stanford University's d.school model. Interns will focus on strategies for how to solve complex problems and design and build innovative solutions for future growth. They will engage with revolutionary ways of thinking about their work and future careers.

Week 2:

ALL INTERNS: Equity and Social Justice in the Workplace

- Session topics include
  - o Identity
  - o Racism and anti-racism
  - o Privilege
  - o How to communicate with difficult people
  - o Affinity groups



ALL INTERNS: Communication Mastery led by Arthur Joseph of Vocal Awareness (VocalAwareness.com):

- Persona Statement
- 30-second elevator pitch
- Preparation for Showcase

#### INTERNSHIP

Weeks 3 - 7:

Each Intern will participate in 1 of 11 Deep Dives

##### Deep Dive 1: Animation led by BRIC Foundation

- Assemble a project pitch for an animated TV series, with the end result being a pitch package that the student could then shop to Hollywood networks and streamers.
- Guided by top animation industry development executives, students will be trained in how to not only put their projects together but also in how to pitch their projects. Practice pitch meetings will be a regular occurrence throughout the program.
- Final deliverable is an animation pitch packet that would be 1) an animatic with a brief one-page pitch write up or 2) a mini-bible or presentation with supporting artwork.
- BRIC would partner with an animation studio and a school each week.
- Animation studios might include Sony Pictures Animation, Nickelodeon, Netflix, Cartoon Network, and Disney.
- Schools might include Schoolism, Gnomon, ArtCenter, CSU Long Beach, CalArts, USC, UCLA, and Santa Monica College.
- Present final project as part of the MADE Ready Expo

##### Deep Dive 2: Augmented/Virtual Reality (AR/VR)

- Create storyboard and project management
- Use Zoe.com and Tiltbrush
- Work with Oculus AR/VR headsets to design interactive game
- Create videos of progress on project
- Work in teams
- Present final project to San Diego Comic-Con
- Present final project as part of the MADE Ready Expo

##### Deep Dive 3: Biomedical Technologies

- Work with industry professionals focused on CRISPR technologies
- History and impact of genetics
- Present final project in MADE Ready Expo

##### Deep Dive 4: Cloud Computing

- Learn about A+ certifications, AWS certification, and cloud computing career opportunities
- Work on industry-based Cloud Computing applications such as Salesforce, Dropbox, GDrive

- Learn basic networking protocols and assess areas of career interest
- Present final project as part of the MADE Ready Expo

#### Deep Dive 5: Design-Thinking

- Identify a problem which can be solved utilizing the design process
- Identify personal connection to the problem
- Explore the project viability through process of team brainstorming, ideation, and prototyping
- Identify and address preliminary biases, roadblocks, scope, and scheduling issues
- Deep-dive research techniques which may include outreach to industry professionals
- Determine best deliverable for projects
- Prepare and deliver practice pitch to senior team for approval
- Prepare final deliverable incorporating research and feedback loops
- Present final project as part of the MADE Ready Expo

#### Deep Dive 6: Documentary Filmmaking

- Identify a story that needs to be told and documentary style that best fits that subject
- Choose film subject matter
- Select and get familiar with filming equipment and editing software
- Research subject and build out concept
- Write script for narration or prepare questions for interviews
- Film interviews, record narrative, capture visual and audio for telling the story
- Collect additional assets (i.e., source archival and stock footage, sound effects, copyright-free music, logos)
- Edit footage and create a rough-cut for review
- Re-edit footage, color and audio balance, and create titles and credits, subtitles (if needed)
- Polish and finalize edits, upload to share
- Present final project as part of the MADE Ready Expo

#### Deep Dive 7: Game Design & Programming

- Explore Unity and Unity certification
- Learn fundamental C# programming in Unity
- Create simple game, character, and narrative design
- Participate in industry-driven project based game development
- Present final project as part of the MADE Ready Expo

#### Deep Dive 8: Finance & Investment

- Examine the world around for trends and products, and identify companies connected to them
- Consider career aspirations and research companies connected to those careers
- Write investment recommendations
- Create a team podcast to pitch a company to their colleagues
- Give and receive written and oral critique to each other and from the team lead



- Review balance sheets, income statements, statements of cash flow, 10-K, 10-Q, company press releases, and industry analyses
- Daily scrum meeting
- Present final project as part of the MADE Ready Expo

#### Deep Dive 9: Product Design

- Identify products that need redesign
- Product vision and strategy
- Define value proposition and success criteria
- Research target audience including personas, conduct interviews, research competition, and product priorities
- Design sprint
- Prototype
- Present final project as part of the MADE Ready Expo

#### Deep Dive 10: Social Media in the Workplace

- Leverage social media to build personal brand
- Gain skills for building a digital network and digital storytelling
- Co-create content to post on social media appropriate for the workplace
- Create livestream show and invite guests to participate in the project to practice communication, collaboration, creativity, and critical thinking skills
- Present final project as part of the MADE Ready Expo

#### Deep Dive 11: Voices of Creativity

- Research and contact professionals in the creative industries to interview
- Write interview questions
- Conduct recorded interviews with industry professionals
- Edit recordings and make available on various social media platforms
- Present final project as part of the MADE Ready Expo

#### MADE Ready Expo

ALL INTERNS: Present final project as part of the weeklong MADE Ready Expo

- Invite industry professionals, DUSD leaders, families, community, and other stakeholders
- Each intern will demonstrate communication skills, presentation skills, use and showcase, imagery, etc.
- Videos of all presentations will be recorded and edited as deliverables that can be shared on social media

#### ONGOING DATA COLLECTION & REPORTING

Provide data analysis and summary report to funders

- Daily feedback surveys
- Weekly reflection journals
- Final reflection journal


COLLEGE ADMISSIONS ACADEMY to support students in writing the UC personal insight questions from June to August 2021.

- Recruit students from MADE Ready Internship program as well as other students interested in working with a writing coach.
- Coordinate with student summer schedules and schedule students for student sessions with the writing coach.
- Be available to answer any parent and student questions about the program.
- Collect and analyze students' first draft and use those to compare to the final version of personal insight statements to assess learning and change over time.
- Create and distribute recruitment materials.
- Collect all student sign-in information for when they participate to have data to study optimal number of sessions and potential impact of sessions.
- Create and implement pre-survey and post-survey for participating students to collect data about which colleges they plan to apply to before the sessions and another survey after the sessions to see where they actually applied.

MADE Ready Internship & College Admissions Academy Budget 2021

<b>Full-Time Personnel &amp; Benefits January - August 31, 2021</b>	<b>\$488,000</b>
June Bayha	
Barbarella Fokos	
Carmen Tovar	
Greg Hill Jr.	
13 Interns at 20 hours per week at \$15/hour from January to August 31, 2021 (\$124,800)	
<b>Sub-Contractors</b>	<b>\$467,000</b>
Tombio, Inc. (Chris Mattson) compliance data reporting \$39,000	
BRIC Foundation \$75,000	
Experience Leaders x 10 x \$20,000 = \$200,000	
Griffin Legacy (Tiveeda Stovall) equity & social justice in the workplace training \$30,000	
Griffin Legacy (Tiveeda Stovall) collect, analyze and report on qualitative & quantitative data for intern outcomes \$48,000	
College Admissions Academy (Joyce Yamaguchi + paid intern) \$40,000 + \$7,000	
Communication Mastery - Vocal Awareness (Arthur Joseph) \$20,000	
Classroom without Walls (Ai Addyson-Zhang) \$8,000	
<b>Technology &amp; Systems</b>	<b>\$27,000</b>
Zoom accounts, Email accounts for all interns; managing Mighty Networks platform	
Adobe Sign for payroll documents, Gusto fees to pay contractors	
Legal fees - onboarding, managing hiring documents	
<b>TOTAL BUDGET</b>	<b>\$982,000</b>



**II. 4. APPROVE Service Agreement No. 202021-262 with 2 Degree Shift for Advanced Manufacturing and Welding Pathways to develop Advanced Manufacturing and Welding Pathways that mentor teachers, assess and plan equipment needs, address industry opportunities, articulate with local community colleges, and support student attainment of certification to obtain livable wage jobs upon graduation for Downey Unified students.** 

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#### **Supporting Documents**



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DOWNEY UNIFIED SCHOOL DISTRICT  
11627 Brookshire Avenue  
Downey, CA 90241  
(562) 469-6500

**SERVICE AGREEMENT**  
**Agreement No. 202021-262**

THIS AGREEMENT made and entered into this 13 of January, 2021 by and between 2 Degree Shift, hereinafter called the **SERVICE PROVIDER** and the **DOWNEY UNIFIED SCHOOL DISTRICT**, hereinafter called the **DISTRICT** mutually agree as follows:

1. **Service Description.** SERVICE PROVIDER will perform the services described below, or if additional space is needed, attached as Addendum A "Scope of Work" and made a part thereof. The scope of work (SOW) falls under the scope of and is governed by the District Agreement, and if there are any conflicting terms between the SOW and the District Agreement, the terms in the District Agreement shall prevail and govern.  
Implement Advanced Manufacturing and Welding pathways. Scope of Work attached.
2. **Cost of Services.** The DISTRICT agrees to pay SERVICE PROVIDER the total contract price of: \$ 235,000 fixed price, not to exceed \$ 235,000 for the services. SERVICE PROVIDER shall provide an invoice to DISTRICT monthly showing an accounting of work completed. Invoices should be submitted to Accounts Payable Department, Downey Unified School DISTRICT, 11627 Brookshire Avenue, Downey, CA 90241.
3. **Include W-9.** Internal Revenue Service Form W-9 must be completed and included with the agreement.
4. **Term.** The term of this agreement begins January 13, 2021 and will terminate on or before June 30, 2021 provided all services under this Contract are performed in a satisfactory manner. The determination of a satisfactory performance shall be in the sound and reasonable judgment and discretion of the DISTRICT. This agreement may be terminated by either party with a thirty (30) day prior written notice.
5. **Background Check and Fingerprinting.** SERVICE PROVIDER will be responsible to fully comply with the provisions of the Education Code Section 45125.1 when it is determined that the SERVICE PROVIDER or SERVICE PROVIDER's employees/subcontractors will have more than limited contact with DISTRICT students in the performance of the work of the Agreement.



6. **Insurance.** As a condition precedent to this Agreement, SERVICE PROVIDER shall procure and maintain, for the duration of this Agreement and any renewals thereof, the following insurance coverages with insurance carriers that are admitted or authorized non-admitted insurers by the State of California and with a rating equivalent to an A:VII by A.M. Best Company:

***General Liability:***

- a. Commercial General Liability with a \$1,000,000 each occurrence, \$2,000,000 Aggregate Limit of Liability per occurrence for Bodily Injury, Personal and Advertising Injury and Property Damage.
- b. SERVICE PROVIDER's insurance to be primary and non-contributory.
- c. DISTRICT to be named as "Additional Insured" by separate endorsement naming the DISTRICT, its board, officials, employees, and agents as additional insureds.

***Automobile Liability:***

- a. \$1,000,000 Each Accident Limit of Liability for Bodily Injury and Property Damage.
- b. Coverage to include "Owned, Non-Owned, and Hired" automobiles.

***Workers' Compensation/Employer's Liability:***

- a. Certificate of Insurance indicating "statutory" limits.
- b. Employer's Liability, \$1,000,000 per accident for bodily injury or disease.

***Professional Liability:***

- a. \$1,000,000 Errors & Omissions/Professional Liability.

***Sexual Abuse or Molestation Insurance (If working with students/children unsupervised):***

- a. an amount not less than \$1,000,000 per occurrence and \$2,000,000 general aggregate in a form equivalent to Insurance Services Office (ISO) form CG 00 01 if the services provided by CONSULTANT under this Agreement are on DISTRICT property or on a third party's premises.

Each policy required above shall be endorsed to provide for thirty (30) days prior written notice of cancellation to the DISTRICT and to establish that coverage is primary and that any insurance or self-insurance held by the DISTRICT, its officials, employees and agents shall be excess and shall not contribute to it.

7. **Hold Harmless Agreement.** SERVICE PROVIDER agrees to defend, indemnify, and hold harmless the DISTRICT, its officers, agents, employees, and volunteers from all losses, costs, and expense arising out of any liability or claim of liability for personal injury, bodily injury to persons, contractual liability and damage to property sustained or claimed to have been sustained arising out of activities of the SERVICE PROVIDER, its sub SERVICE PROVIDERS, or those of any of its officers, agents, or employees, whether such act is authorized by this Agreement or not; and SERVICE PROVIDER



shall pay for any and all damage to the property of the DISTRICT, or loss or theft of such property, done or caused by such persons. DISTRICT assumes no responsibility whatsoever for any property placed on the premises. SERVICE PROVIDER further agrees to waive all rights of subrogation against the DISTRICT. The provisions of the Article do not apply to any damage or losses caused solely by the negligence of the DISTRICT or any of its agents or employees. To the fullest extent permitted by law, the DISTRICT, its officers, officials, employees and volunteers are to be covered as insureds as respects any and all liability arising out of, or pertaining to, products of the SERVICE PROVIDER; and with respect to liability arising out of automobiles owned, leased, hired or borrowed by SERVICE PROVIDER. The SERVICE PROVIDER's insurance coverage shall be primary insurance as respects the DISTRICT, its officers, officials, employees and volunteers.

8. **Agreement to Arbitrate.** The parties agree to arbitrate any controversy, claim or dispute between them arising out of or in any way related to this Agreement, the relationship between them, or any disputes upon termination of Agreement. Arbitration is the parties' only recourse for such claims and the parties waive the right to pursue such claims in any other forum, unless otherwise required by law.
9. **Force Majeure Clause.** The parties to the Contract shall be excused from performance thereunder during the time and to the extent that they are prevented from obtaining, delivering, or performing by act of God, fire, strike, loss, or shortage of transportation facilities, lock-out, commandeering of materials, products, plants or facilities by the government, when satisfactory evidence thereof is presented to the other party(ies), provided that it is satisfactorily established that the non-performance is not due to the fault or neglect of the party not performing.
10. **Attorney's Fees.** If any action is brought by either party against the other party hereunder, each party shall be responsible for its own expenses, including legal and accounting fees, in connection with the prosecution or defense of such action.
11. **Licenses and Permits.** It shall be the sole responsibility of SERVICE PROVIDER to obtain any needed business licenses, certificates, permits to conduct business to meet the terms of this Agreement.
12. **DISTRICT's Right of Retention.** DISTRICT shall become the owner of and entitled to exclusive possession of all records, documents, graphs, photographic or other reproductions of newly produced records as part of or resulting from this Agreement and no other uses thereof will be permitted except by permission of DISTRICT. All pre-existing Service Provider data and materials provided to District by Service Provider to assist in the performance of this Agreement shall remain Service Provider's property.
13. **Incorporation by Reference.** Any exhibits referenced herein shall be incorporated and made a part of this agreement.



14. **Notices:** Any notices to be given pursuant to this agreement shall be in writing and such notices, as well as any other document to be delivered, shall be delivered by personal service or by deposit in the U.S. Mail addressed to the party for whom intended as follows:

DISTRICT

Downey Unified School District  
Business Services  
11627 Brookshire Ave.  
Downey, CA 90241  
Contact: Debbie Black  
(562)469-6521/dblack@dusd.net

SERVICE PROVIDER

Name: 2 Degree Shift  
Dept.:  
Address: PO Box 53  
Lemoore, CA 93245  
Contact: Kelly Cooper 559-670-0352  
Phone/email: KellyCooper@2DegreeShift.com

IN WITNESS WHEREOF, this Agreement has been accepted and agreed by the below named parties, on the date indicated below:

DISTRICT

DOWNEY UNIFIED SCHOOL DISTRICT



Signature

Print Name: Christina Aragon

Print Title: Associate Superintendent  
Business Services

Date: \_\_\_\_\_

SERVICE PROVIDER

2 Degree Shift



Signature

Print Name: Kelly Cooper

Print Title: CEO

Date: 1-13-2021

***District use only below line***

Account Number to be Charged 01.0-63880.0-38000-10000-5890-7460000

John M. Harris, Director of College and Career Readiness

Name and Title of Site Administrator-Please print

John M. Harris

Digitally signed by John M. Harris  
Date: 2021.01.13 15:46:59 -08'00'

1/13/21

Signature of Site Administrator

Date

Signature of Program Director ONLY IF using categorical funds

Date



2 Degree Shift

## Downey Strong Workforce 1 Advanced Manufacturing and Welding Proposal

### Strategy: Ensure Industry-Recognized Certification in Advanced Manufacturing Pathway

Strong Workforce 1 commitments include industry alignment and recognition in Advanced Manufacturing. Complex equipment was purchased with a separate grant. At this time, industry experts who understand the work of manufacturing and do not represent a product line are needed to conduct an assessment and make recommendations for career paths, equipment sustainability, dual enrollment options, and livable wage career pathways. The following activities propose to leverage current equipment, prepare the courses pathway, and support teacher professional development.

Activity	Timeline	Budget Amount
<p>Curriculum overview</p> <ul style="list-style-type: none"> <li>Assess existing equipment and options with industry experts and DUSD teacher(s)</li> <li>Research and report on career options for manufacturing roles to utilize and maintain the equipment</li> <li>Arrange with community college(s) for a potential CCAP or articulation agreement</li> <li>Outline curriculum, with associated competencies, for 1 or 2 year</li> </ul> <p>Curriculum details</p> <ul style="list-style-type: none"> <li>Detail course outlines based on curriculum overview feedback</li> <li>Review details with the teacher and four industry professionals for additions or edits</li> </ul> <p>Equipment and Supplies details</p> <ul style="list-style-type: none"> <li>Assess current equipment for maintenance agreements and needed parts for sustainability and technician training</li> <li>Recommend in-house or contracted maintenance plans for all equipment</li> <li>Propose potential apprenticeships and internships for student jobs transition</li> </ul>	January 1, 2021 - March 30, 2021	<p>\$75,000 to include a minimum of four highly experienced Advanced Manufacturing experts and a jobs, careers, equipment, certification, curriculum proposal</p> <p>The equipment available demands a significant plan to serve students and support teachers. All expert costs will be coordinated by 2 Degree Shift and paid by 2 Degree Shift from this line item.</p>
Courses - Build course student facing modules to include equipment support, videos, industry interviews, and project-based learning.	April 1 - August 30, 2021	\$35,000



## 2 Degree Shift

<ul style="list-style-type: none"> <li>Objectives</li> <li>Course materials</li> <li>Projects</li> <li>Homework</li> <li>Assessments/rubrics</li> </ul>		
Build teacher-facing modules. <ul style="list-style-type: none"> <li>Sector, pathway, and course Professional Development</li> <li>Module context, background, relevance to industry</li> <li>Project overview, assessment/rubrics, additional resources/ideas</li> <li>Homework expectations, correct answers, feedback suggestions</li> <li>Assessments overview, critique strategies, support materials for struggling students</li> <li>Teacher mentoring by industry experts</li> </ul>	April 1 - August 30, 2021	\$35,000
Student certification set up and maintenance <ul style="list-style-type: none"> <li>Set up guidelines, instructions, and project manage testing options and delivery</li> </ul>	April 1 - December 31, 2021	\$15,000
Assess and institutionalize CCAP enrollment and industry apprenticeship opportunities <ul style="list-style-type: none"> <li>Contract/MOU on CCAP</li> <li>Establish and mentor apprenticeship entrance requirements, paperwork, and industry partnerships</li> </ul>	January 1 - December 31, 2021	\$25,000
Board of Trustee support <ul style="list-style-type: none"> <li>Presentations as requested</li> <li>Monthly updates to potentially are included in BoT reporting</li> </ul> Process and outcome evaluation <ul style="list-style-type: none"> <li>Measure progress toward course and assignment course outcomes</li> <li>Incorporate rubric-based assessment methodologies to inform progress</li> <li>Conduct evaluation and improve coursework</li> <li>Report each semester on student progress, observations on implementation, and rubric-based assessment</li> </ul>	January 1 - December 31, 2021	\$15,000
Total Advanced Manufacturing Pathway		\$200,000



2 Degree Shift

## Welding Proposal

### Strategy: Create a new Welding Pathway at Columbus High School

The challenge with this proposal has been setting up welding equipment for Continuation High School. The Strong Workforce 1 proposal notes several articulated courses with Cerritos College that require equipment not available. This proposal addresses an alternate, hybrid approach that remains within the intent of Strong Workforce 1 and recommends mobile welding equipment.

Activity	Timeline	Budget Amount
Curriculum overview <ul style="list-style-type: none"> <li>Outline curriculum, with associated competencies, for a certificated pathway</li> <li>Review with the team and two industry professionals and two community college certified instructors for additions or edits</li> </ul> Curriculum details <ul style="list-style-type: none"> <li>Based on curriculum overview feedback, consultation with Cerritos College, and available space at Columbus High School, develop a partnered, alternate curriculum approach</li> <li>Develop a hybrid curriculum with online and in-person course hours at Columbus</li> <li>Develop a lab-based curriculum to take place with cohorts of students engaging with mobile welding or outside-of-class welding hours with industry partners</li> <li>Articulate curriculum with Cerritos College</li> </ul>	January 1 - March 30, 2021	\$35,000  This amount includes assessing space at Columbus, equipment of potential partners, mobile equipment options, industry associations, etc. to find a workable solution for welding certification. Expert hours for consultation are covered in this line item.  Larry Paredes, Welding Instructor at West Hills College Coalinga is a subcontractor to design/develop reasonable and doable mobile stations and contribute to hybrid materials development.
Courses - Build student-facing modules <ul style="list-style-type: none"> <li>Objectives</li> <li>Course materials</li> <li>Projects</li> <li>Homework</li> <li>Assessments/rubrics</li> </ul>	April 1 - December 31, 2021	\$35,000
Build teacher-facing modules <ul style="list-style-type: none"> <li>Sector, pathway and course Professional Development</li> <li>Module context, background, relevance to industry</li> <li>Project overview, assessment/rubrics, additional resources/ideas</li> </ul>	April 1 - December 31, 2021	\$35,000



## 2 Degree Shift

<ul style="list-style-type: none"> <li>Homework expectations, correct answers, feedback suggestions</li> <li>Assessments overview, critique strategies, support materials for struggling students</li> </ul>		
Student certification and apprenticeships <ul style="list-style-type: none"> <li>Set up guidelines, instructions, and mentor teacher/students</li> </ul>	May 1 - December 31, 2021	\$15,000
Project Management articulation and dual enrollment opportunities <ul style="list-style-type: none"> <li>Meetings, plans, scheduling</li> </ul>	April 1 - December 31, 2021	\$5,000
Process and outcome evaluation <ul style="list-style-type: none"> <li>Presentations as requested</li> <li>Measure progress toward course and assignment course outcomes</li> <li>Incorporate rubric-based assessment methodologies to inform progress</li> <li>Report on student progress, observations on implementation, and rubric-based assessment</li> </ul>	April 1 - December 31, 2021	\$10,000
Total Welding Pathway		\$135,000

Total Scope of Work = **\$335,000**

## 2 Degree Shift

Kelly Cooper, as 2 Degree Shift (CA C Corp) contractor EIN 71-1041243, served as an executive administrator in the CA Community College system and CTE curriculum expert. Kelly formed 2 Degree Shift in 2005 to lead workforce industry partnerships. KellyCooper@2DegreeShift.com | 559-670-0352 | [2DegreeShift.com](http://2DegreeShift.com) | [LinkedIn Profile](#)



**II. 5. APPROVE Service Agreement No. 202021-263 with 2 Degree Shift for Open-Source Downey in order to implement as a regional lead and statewide contributor to Open Education Resources and Open Source CTE courses, teacher onboarding and support materials, and student learning materials.**

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#### **Supporting Documents**



scan0500

DOWNEY UNIFIED SCHOOL DISTRICT  
11627 Brookshire Avenue  
Downey, CA 90241  
(562) 469-6500

**SERVICE AGREEMENT**  
**Agreement No. 202021-263**

THIS AGREEMENT made and entered into this 13 of January, 2021 by and between 2 Degree Shift, hereinafter called the **SERVICE PROVIDER** and the **DOWNEY UNIFIED SCHOOL DISTRICT**, hereinafter called the **DISTRICT** mutually agree as follows:

1. **Service Description.** SERVICE PROVIDER will perform the services described below, or if additional space is needed, attached as Addendum A "Scope of Work" and made a part thereof. The scope of work (SOW) falls under the scope of and is governed by the District Agreement, and if there are any conflicting terms between the SOW and the District Agreement, the terms in the District Agreement shall prevail and govern.  

Implement Open-Source Downey. Scope of Work attached.
2. **Cost of Services.** The DISTRICT agrees to pay SERVICE PROVIDER the total contract price of: \$274,000, not to exceed \$274,000 for the services. SERVICE PROVIDER shall provide an invoice to DISTRICT monthly showing an accounting of work completed. Invoices should be submitted to Accounts Payable Department, Downey Unified School DISTRICT, 11627 Brookshire Avenue, Downey, CA 90241.
3. **Include W-9.** Internal Revenue Service Form W-9 must be completed and included with the agreement.
4. **Term.** The term of this agreement begins January 13, 2021 and will terminate on or before June 30, 2021 provided all services under this Contract are performed in a satisfactory manner. The determination of a satisfactory performance shall be in the sound and reasonable judgment and discretion of the DISTRICT. This agreement may be terminated by either party with a thirty (30) day prior written notice.
5. **Background Check and Fingerprinting.** SERVICE PROVIDER will be responsible to fully comply with the provisions of the Education Code Section 45125.1 when it is determined that the SERVICE PROVIDER or SERVICE PROVIDER's employees/subcontractors will have more than limited contact with DISTRICT students in the performance of the work of the Agreement.



6. **Insurance.** As a condition precedent to this Agreement, SERVICE PROVIDER shall procure and maintain, for the duration of this Agreement and any renewals thereof, the following insurance coverages with insurance carriers that are admitted or authorized non-admitted insurers by the State of California and with a rating equivalent to an A:VII by A.M. Best Company:

**General Liability:**

- a. Commercial General Liability with a \$1,000,000 each occurrence, \$2,000,000 Aggregate Limit of Liability per occurrence for Bodily Injury, Personal and Advertising Injury and Property Damage.
- b. SERVICE PROVIDER's insurance to be primary and non-contributory.
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- a. \$1,000,000 Each Accident Limit of Liability for Bodily Injury and Property Damage.
- b. Coverage to include "Owned, Non-Owned, and Hired" automobiles.

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- b. Employer's Liability, \$1,000,000 per accident for bodily injury or disease.

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- a. \$1,000,000 Errors & Omissions/Professional Liability.

**Sexual Abuse or Molestation Insurance (If working with students/children unsupervised):**

- a. an amount not less than \$1,000,000 per occurrence and \$2,000,000 general aggregate in a form equivalent to Insurance Services Office (ISO) form CG 00 01 if the services provided by CONSULTANT under this Agreement are on DISTRICT property or on a third party's premises.

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shall pay for any and all damage to the property of the DISTRICT, or loss or theft of such property, done or caused by such persons. DISTRICT assumes no responsibility whatsoever for any property placed on the premises. SERVICE PROVIDER further agrees to waive all rights of subrogation against the DISTRICT. The provisions of the Article do not apply to any damage or losses caused solely by the negligence of the DISTRICT or any of its agents or employees. To the fullest extent permitted by law, the DISTRICT, its officers, officials, employees and volunteers are to be covered as insureds as respects any and all liability arising out of, or pertaining to, products of the SERVICE PROVIDER; and with respect to liability arising out of automobiles owned, leased, hired or borrowed by SERVICE PROVIDER. The SERVICE PROVIDER's insurance coverage shall be primary insurance as respects the DISTRICT, its officers, officials, employees and volunteers.

8. **Agreement to Arbitrate.** The parties agree to arbitrate any controversy, claim or dispute between them arising out of or in any way related to this Agreement, the relationship between them, or any disputes upon termination of Agreement. Arbitration is the parties' only recourse for such claims and the parties waive the right to pursue such claims in any other forum, unless otherwise required by law.
9. **Force Majeure Clause.** The parties to the Contract shall be excused from performance thereunder during the time and to the extent that they are prevented from obtaining, delivering, or performing by act of God, fire, strike, loss, or shortage of transportation facilities, lock-out, commandeering of materials, products, plants or facilities by the government, when satisfactory evidence thereof is presented to the other party(ies), provided that it is satisfactorily established that the non-performance is not due to the fault or neglect of the party not performing.
10. **Attorney's Fees.** If any action is brought by either party against the other party hereunder, each party shall be responsible for its own expenses, including legal and accounting fees, in connection with the prosecution or defense of such action.
11. **Licenses and Permits.** It shall be the sole responsibility of SERVICE PROVIDER to obtain any needed business licenses, certificates, permits to conduct business to meet the terms of this Agreement.
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13. **Incorporation by Reference.** Any exhibits referenced herein shall be incorporated and made a part of this agreement.



14. **Notices:** Any notices to be given pursuant to this agreement shall be in writing and such notices, as well as any other document to be delivered, shall be delivered by personal service or by deposit in the U.S. Mail addressed to the party for whom intended as follows:

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Business Services  
11627 Brookshire Ave.  
Downey, CA 90241  
Contact: Debbie Black  
(562)469-6521/dblack@dusd.net

SERVICE PROVIDER

Name: 2 Degree Shift  
Dept.:  
Address: PO Box 53  
Lemoore, CA 93245  
Contact: Kelly Cooper 559-670-0352  
Phone/email: KellyCooper@2DegreeShift.com

IN WITNESS WHEREOF, this Agreement has been accepted and agreed by the below named parties, on the date indicated below:

DISTRICT

DOWNEY UNIFIED SCHOOL DISTRICT



Signature


Print Name: Christina Aragon

Print Title: Associate Superintendent  
Business Services

Date: \_\_\_\_\_

SERVICE PROVIDER

2 Degree Shift



Signature

Print Name: Kelly Cooper

Print Title: CEO

Date: 1-13-2021

***District use only below line***

Account Number to be Charged 01.0-63880.0-38000-10000-5890-7460003

John M. Harris, Director of College and Career Readiness

Name and Title of Site Administrator-Please print

John M. Harris

Digitally signed by John M. Harris  
Date: 2021.01.13 15:55:38 -08'00'

1/13/21

Signature of Site Administrator

Date

Signature of Program Director ONLY IF using categorical funds

Date

Downey Unified School District  
Service Agreement No. 202021-263

Page 4 of 4



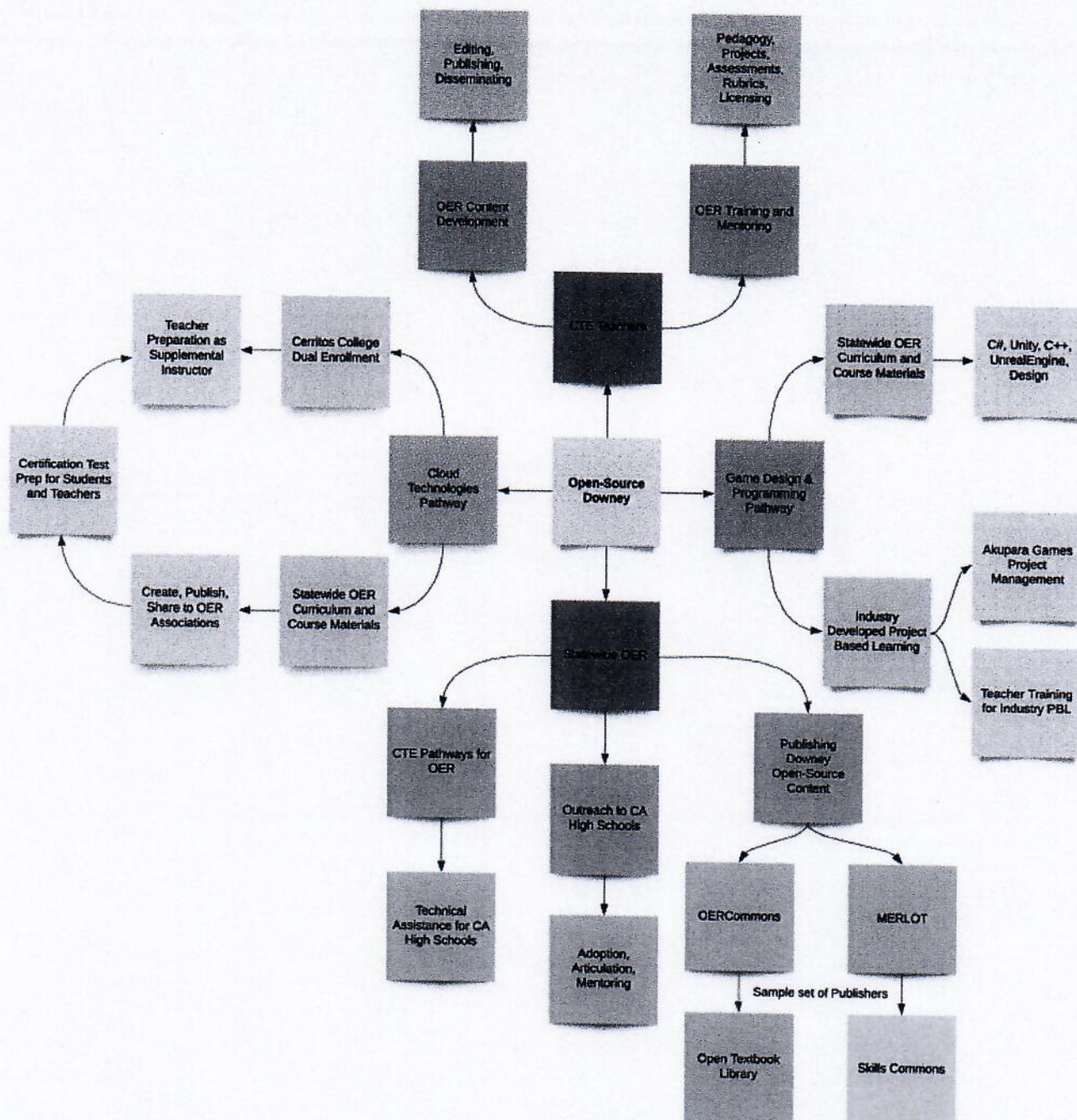
## 2 Degree Shift Proposal

## Downey Strong Workforce 3: Open-Source Downey

The diagram offers a snapshot of the Open-Source Downey Project. Open-Source supports collaboration. OER (Open Education Resources) are the DUSD-developed materials that will be shared statewide.

### Open-Source Downey

Kelly Cooper | December 14, 2020





## 2 Degree Shift Proposal

The Activities below represent January - December 2021; 12 months of the 30-month awarded project. Amounts align with the grant proposal submitted.

<b>Activity</b>	<b>Timeline</b>	<b>Budget Amount</b>
Project Manage Teacher Training, Equipment, OER Publishing <ul style="list-style-type: none"> <li>• Create, introduce and conduct OER training for CTE teachers and staff (Zoom and online)</li> <li>• Mentor teachers in OER development and project management (1-1 and support resources)</li> <li>• Provide OER technical support for CTE teachers (workshops and individual support)</li> </ul>	January 1 - December 31, 2021	\$12,000
<b>Activity</b> Extend and expand ICT Cloud Computing Technologies Pathway and Game Design & Programming for OER to include: industry collaboration on test prep certifications, enhanced videos for underserved student learning of basic cloud and programming technologies, project-based learning projects, additional videos and text materials for teacher professional development to confidently teach the pathway and development of an industry major project that demonstrates portfolio-level skills for job entry or college transfer <ul style="list-style-type: none"> <li>• Expand teacher and student assessments, projects, videos, and supplemental materials for statewide adoption</li> <li>• Manage Creative Commons licensing on materials and project management update schedules</li> <li>• Prepare publications for multiple OER repositories</li> </ul>	January 1 - December 31, 2021	\$72,000
<b>Activity</b> Provide technical assistance and expertise to ensure CTE pathways are aligned and articulate to regional community college CTE pathway programs <ul style="list-style-type: none"> <li>• Audit and assess regional community college pathways to fit with regional high schools</li> <li>• Prepare recommendations on Open-Source Downey materials and curriculum for statewide high schools</li> <li>• Provide technical assistance to high schools regarding curriculum development and CTE opportunities</li> </ul>	March 1 - December 31, 2021	\$35,000
<b>Activity</b> Conduct outreach and dissemination to inform California high schools and adult schools about open education resources (OER) and provide mentoring support to those interested in adopting OER at their schools <ul style="list-style-type: none"> <li>• Contact California high schools for interest in collaboration or adoption of Open-Source Downey OER content</li> </ul>	March 1 - December 31, 2021	\$20,000



## 2 Degree Shift Proposal

<ul style="list-style-type: none"> <li>Facilitate plans with high schools and advise on implementation</li> </ul>		
<b>Activity</b> Industry experts to provide a portfolio-level project to include the entire life cycle of game design, development, and production. \$25,000 in year 1 to plan and design; \$100,000 in year 2 to build and test, \$25,000 in year 3 to coach teacher with content expertise and industry knowledge <ul style="list-style-type: none"> <li>Project Management of Industry PBL partner Akupara Games to include teacher support, industry project-based learning, and student portfolio projects</li> </ul>	January 1 - December 31, 2021	\$0 Volunteer Project Management  PBL costs are noted below.
<b>Activity</b> Provide technical assistance and guidance for having a clear and specific alignment of CTE pathways (design, delivery, and outcomes) with OER publishing and current and projected regional labor market needs. <ul style="list-style-type: none"> <li>Publish OER (graphics, editing, presentation)</li> <li>Market OER statewide</li> <li>Publish engaging, encouraging materials for teacher adoption statewide</li> </ul>	March 1 - December 31, 2021	\$85,000

\$224,000

## Industry-Created Project Based Learning

Akupara Games created project-based learning (paid by 2 Degree Shift) for Strong Workforce 1. The PBL consisted of a game that students use to demonstrate for potential employers. Sections of the game are customized by students. Collaborative activities support game sections created as a student team. The Strong Workforce 3 Open-Source Downey Akupara Games contract expands the game to a two-year pathway, adds interactive activities for all students and challenges for advanced students, mentors and supports faculty readiness and comfort, and delivers a level of project students will confidently show to potential employers.

Planning of this contract begins with: "If a student comes to Akupara Games and shows this project, we will immediately want to hire and mentor as an entry-level employee." Deconstruction begins with hiring, rather than by deconstructing a game. This is a true public-private collaborative project.

2 Degree Shift will manage this subcontractor and all deliverables statewide.

Activity	Timeline	Budget Amount
Student Hiring Planning <ul style="list-style-type: none"> <li>Content for onboarding students to priorities and expectations of gaming companies</li> </ul>	January 1 - March 30, 2021	\$20,000



## 2 Degree Shift Proposal

<ul style="list-style-type: none"> <li>• Sample portfolio guidelines</li> <li>• Sample career path guidelines</li> </ul> Teacher mini-course <ul style="list-style-type: none"> <li>• Statewide perspective – course preparation and resources for teaching Game Design &amp; Programming</li> </ul>		
Project-Based Learning – 2-year curriculum <ul style="list-style-type: none"> <li>• Full game development with specified areas for student-driven game development, specified areas for student-group-driven game design/development, and specified areas for Akupara Game template. The purpose is to provide a full game for students to demonstrate individual and team contributions</li> <li>• Teacher onboarding mini-course for PBL mentoring</li> </ul>	January 1 – June 30, 2021	\$65,000
Develop Industry-Driven Project-Based Activities <ul style="list-style-type: none"> <li>• Activity challenges for students who excel</li> <li>• Activity challenges for students in need of reinforced learning or learning style changes</li> <li>• Short activities using gaming to amplify learning gaming and C#</li> </ul>	January 1 – June 30, 2021	\$45,000
Test and validate games and activities with students (DUSD Interns) Test and validate games and activities with teachers Add activities as needed to expand or reinforce learning	July 1, 2021-December 31, 2021	\$20,000
Total Project-based learning Akupara Games		\$150,000

Total for January – December 2021 Open-Source Downey: **\$374,000**

Kelly Cooper is a 25-year veteran of CTE and has held leadership roles in Open-Source and Open Education Resource grants and projects at the state level. Kelly and the 2 Degree Shift (CA C Corp) contractor EIN 71-1041243 team are noted below:



## 2 Degree Shift Proposal

