

Grant Recipients  
2020–2021 Joey Kovacevich Social Innovation Fellowship  
(As described by each team in its grant application)

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LOWER SCHOOL

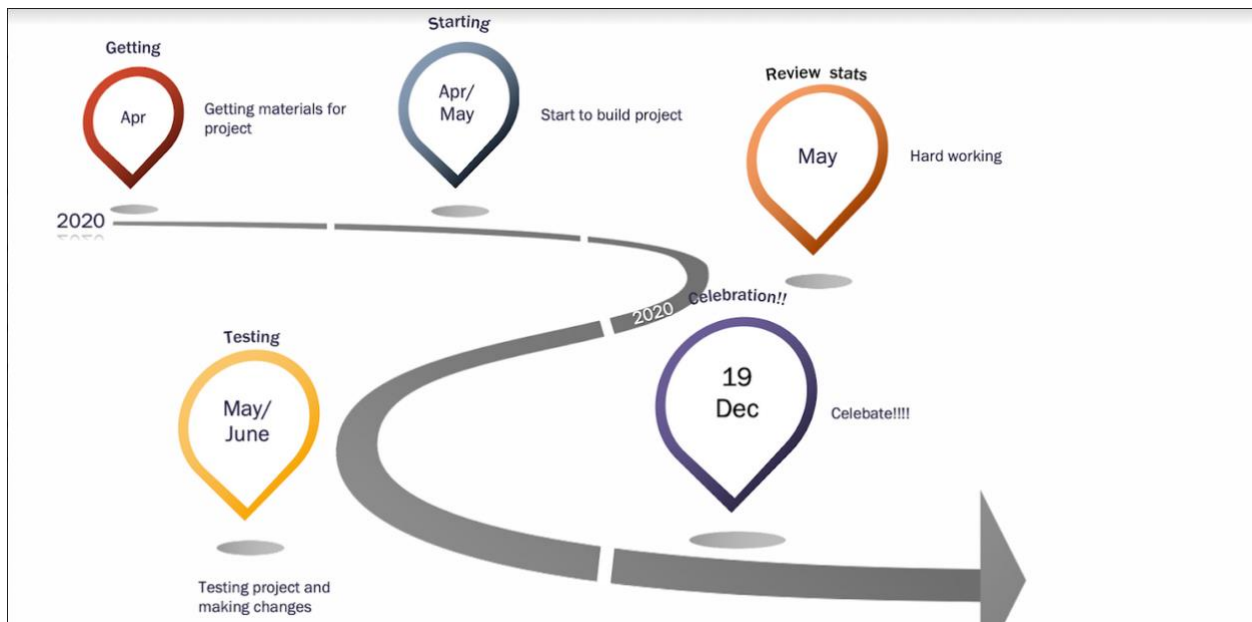
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**Weather Station**

We are thrilled to have the opportunity to apply for the Joey Kovacevich Social Innovation Fellowship and would like to present to you our idea of a weather station. Our weather station would impact the Nueva School by helping students, teachers, staff, and parents be prepared for the unpredictable weather. Having a weather station at Nueva would be helpful because people come from all over the Bay Area so they might have different weather than Nueva. For example, if the weather was sunny in Palo Alto, it might be cloudy at Nueva. Here is our application which presents our idea in detail.

**Bracelet**

What my project is is a bracelet but there is a pouch, and in the pouch is a mini planner so when you want to remember something you can write it down so you won't forget. The omage below is a timeline for implementation.



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## MIDDLE SCHOOL

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### **Weaving for Hospitals**

For our project, we decided that we want to weave different items for people in hospitals. We would make a peg loom in the I-lab and then we would buy a rigid heddle loom. Over two months, we plan to make four or five projects, such as blankets. We hope that by giving the patients handmade items that they will take the patients' minds off of being sick and make them happier. We have not yet chosen a specific hospital to donate the blankets to, but the Lucile Packard hospital has a very good system for taking handmade donations.

### **Face Masks**

Right now, coronavirus is spreading throughout the world. People are scared about getting sick, and have been trying to purchase face masks, but they are all sold out. I'm proposing an idea of making DIY face masks out of materials you can find at home. I came up with an easy and alternative way to make your own face mask out of tissue, paper, string, tape, a paper clip, and any other decorating tools. My mission is to 1) educate people on how to create face masks to protect themselves and 2) provide activities for kids to do while they are in quarantine. I want to spread the word by making a website which will have face mask templates and instructions. The face mask templates are easy to print out, and they can be made by hand and customized to the wearer's liking. With my website, my goal is to help those without face masks. I believe that my idea will benefit the world for those who need face masks. They are recyclable and you can always make another one at any time.

### **Greenkeen**

For over a year I have been building [Greenkeen.org](http://Greenkeen.org), a technology and outreach platform to empower kids and grownups to fight global warming. I am applying for the Joey Kovacevich Fellowship to fund Greenkeen through to completion.

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## UPPER SCHOOL

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### **Riptide**

We are on an Invention Studio team that is working on a project focused around improving the learning experience of students with dyslexia. Dyslexia is a language-based learning disability affecting around 20% of the population on a spectrum, and it can be especially challenging for students who are often assigned long readings and written tests. For the past few months, our team has been conducting interviews and doing user research to better understand the classroom/educational experiences of students with dyslexia.

## **Doceo**

Doceo, which means “to teach” in Latin, was founded on the belief that if we provide a platform for like-minded students to connect, collaborate, and experiment, we can inspire curiosity and creativity among students to forge student-led startups in a revolutionary way. Our vision for Doceo is to create one end-to-end platform through four products: Doceo Team, Doceo Capital, Doceo Forum, and Doceo Playbook. Doceo Team is a network for high schoolers with innovative ideas to connect with other technically skilled students to found and join startup teams. After creating teams and launching their product, students have an opportunity to apply for their startup to be funded through Doceo Capital, a high school-led VC firm focused on investing in student startups. To discuss entrepreneurship between users, Doceo Forum offers a forum for all questions related to student-led entrepreneurship. For a structured guide to entrepreneurship, Doceo Playbook provides information on all the steps, pieces and strategies needed for a student to cultivate their startup. Together these products create one breakthrough platform where students can go from idea to startup to market, and beyond.

## **Stroke Recovery**

Our project is an application designed to help people who struggle with remembering the names of people and objects as well as those who have trouble pronouncing words, such as stroke survivors. We plan to create an application that connects to a camera and speaker. The app will use image recognition software to identify the person or object, and give clues about the person’s name to enhance the user’s memory.

## **Humanspace**

A multi-purpose node, HUMANSPACE is a lightweight kit-of-parts with standard size posts, modular ramps, and an unfolding canopy—flexible per the solar orientation of a specific location. HUMANSPACE is ideal for gatherings: a temporary classroom, play space, or as a private space where an individual may reflect.

HUMANSPACE is for the public realm; built with affordable materials, it is an welcoming space to gather, and for children especially to feel connected. The structure may be located in Red Cross gyms or on neighborhood corners. This organic space is meant for members at the given site to share their stories. HUMANSPACE aligns with the Nueva mission by creating a safe space that fosters a sense of serenity and belonging within a wider community.

## **RAMEN**

The RAMEN project is a compostable and self-heating version of the popular cup-of-noodles snack. The cup, which will be made out of a biodegradable material (such as palm leaves, sugar cane fibers, or cornstarch), will contain a flash fried block of noodles, seasoning, and some dried vegetables. In addition, there will be a container to hold an exothermic chemical reaction that can cook the soup, allowing the product to be consumed without the aid of a water heater or microwave.

## **MODAP**

In the past year, our team has made progress on three fronts.

1. We've significantly increased our outreach efforts strengthening relationships with first responders from various agencies and also worked to present at various other social innovation conferences.
2. Our team has been able to design, build and verify an open-source software platform (aptly named MODet available [here](#)) that is able to identify humans through a custom machine learning model in real time from an aerial perspective.
3. We've remanufactured our initial design for greater efficiency and durability and have completed a prototype version of the aerial platform. Further testing will be done to increase flight time and payload capacity.