



# United We Lead E-Learning Platform

**United We Lead Foundation**

**Summer 2020 Report**

**Program: Fresno State Educational Talent Search**

Distance Learning/E-Learning Platform

*Report submitted on August 11, 2020*

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## **Outline:**

About UWLF.....	Page 3
Introduction.....	Page 4
Quality Standards for Online Programs.....	Page 5
E-Courses/Curriculum.....	Page 6
Curriculum/Data user report.....	Page 19
Demographics.....	Page 20
Attendance Reports.....	Page 20
Pre/Post Data Analysis.....	Page 21
Challenges, Opportunities, Next Steps.....	Page 21
Exhibits.....	Page 23

## **About UWLF**

The UWLF is a Social-Mission Driven Organization that has created a diverse network of professionals and leaders, including educators, advocates, innovators, and community members to ensure disadvantaged low-income students have an equal opportunity to learn, thrive, influence, and lead.

## **UWLF E-Learning Goals**

UWLF's E-learning goal is to expand access to educational opportunities for underserved students and other community members through electronically offered classes. Distance learning and online teaching technology will be used to provide relevant and timely coursework, information, and training to enhance the learning experience by removing barriers of both time and place.

## **UWLF E-Learning Mission**

The mission of the E-Learning Department at UWLF is to provide quality instruction through electronic-based supplemental courses, enabling students to attain their educational goals. The E-Learning department is committed to student success by supporting efforts to ensure that quality online education and support services are available to learners through a variety of technology resources. The department will extend the offerings of e-courses to the community and beyond through E-Learning.

## **Objectives:**

- ❑ Provide informational resources and support services for students enrolled in online courses
- ❑ Identify and address faculty and student needs in teaching and learning online
- ❑ Encourage and support the use of the E-learning platform and other technologies, in online learning environments
- ❑ Encourage the sharing of effective technology-enhanced teaching and learning practices among instructors
- ❑ Evaluate periodically and comprehensively every facet of the E-Learning program and use these results to restructure and improve the program.

## Introduction



United We Lead Foundation is a 501(C)(3) non-profit organization focusing on empowering and educating low-income, first generation youth. In swift response to social distancing measures, UWLF launched its first digital summer programming series in June 2020. Throughout the summer, UWLF had the ability to work with just under 500 students across the Central Valley including students from Fresno, Tulare, and Kern county. Distance learning efforts included

courses essential to the maintenance of student learning, well-being, and future. Summer programming included: website development, social emotional learning, college awareness, STEM, empowerment series, and career readiness programs.

Fresno State Educational Talent Search and UWLF entered a partnership in early July, with the launch of UWLF's E-learning website. Students of the Fresno State ETS cohort were given supplemental instruction in: Social Emotional Learning, Empowerment Student Series "Dreams Begin With You", College Awareness, and STEM (robotics and engineering design process). Educational Talent Search students were given two weeks of daily instruction, completing up to 92 hours of instruction, support time, and supplemental work. In the two week program offered by ETS and UWLF, nearly 45 students across the central valley were given the opportunity. In this report we will dive deeper into curriculum, demographics, data, challenges, and most importantly room for improvement. Please note that most information is being accessed through UWLF's E-learning website ([edwulf.com](http://edwulf.com)) and rosters generated by both UWLF and ETS.

## Quality Standards for Online Programs

UWLF Online Program had a plan and timeline in place to accomplish the technological infrastructure capable of meeting the needs of students and staff, and of supporting teaching and learning. UWLF's Online Program used a variety of technology tools and had a user-friendly interface. Technological support structures and programs were put in place to reduce barriers to learning for all students. Instructional strategies, practices, and content addressed various learning needs and styles of students. The UWLF Online Program worked collaboratively with Fresno State Educational Talent Search to ensure that support structures and programs, including but not limited to, Title I, ESL, and Migrant, were integrated into the instructional program to promote and support student learning.



**Live Virtual Meeting Rooms**



**Bilingual Resources**



**Prerecorded Classes**



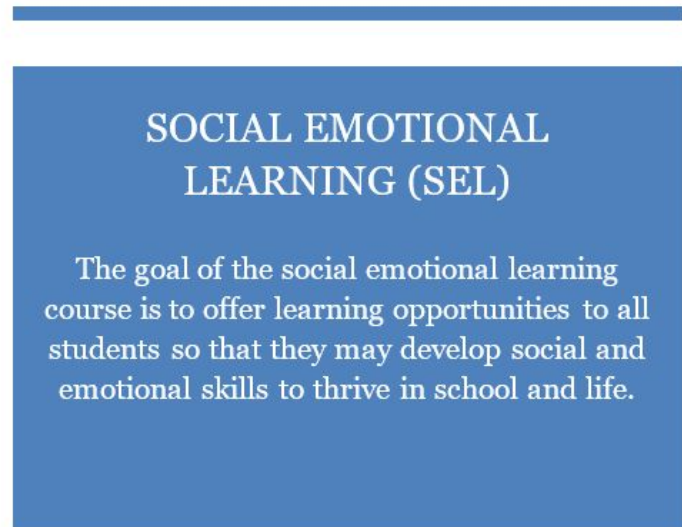
**Academic Tools & Guidance**

## E-Learning Environment

E-Learning instructors were strongly encouraged to use UWLF's approved online learning methods for any course online. Throughout the duration of the program, instructors monitored and guided student behavior, attendance, assignment completion, and teamwork within course delivery to ensure positive and quality classroom interactions.

## Summer E-Courses/Curriculum

### Social Emotional Learning



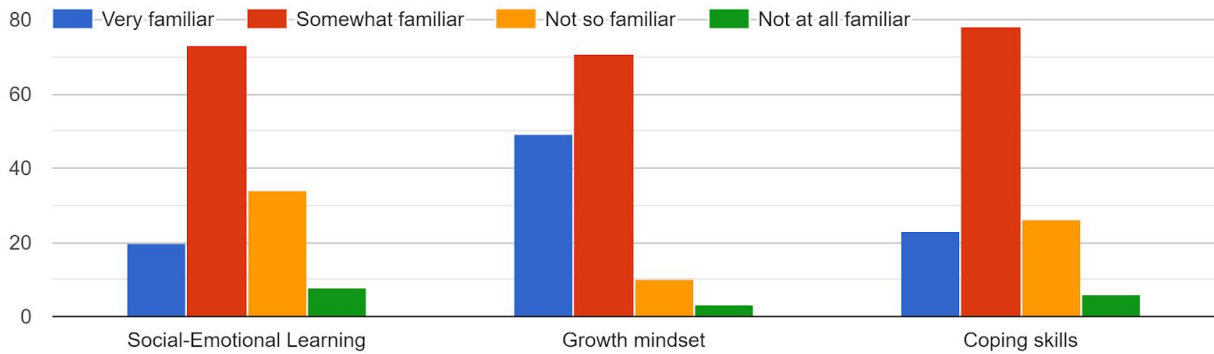
The social emotional component of the UWLF course offerings, continues to be one of the most often requested and enjoyed. Social emotional learning allows students to dive deeper into emotional wellbeing, understanding, and practice even through social distancing measures. This course provides students with the appropriate tools to cope with their own emotions as well as understand the emotions of others around them. UWLF is proud to offer a course that empowers students to take charge of their thinking and their mental health. Throughout the course students were able to express their both flawed and celebrated coping mechanisms, as well as share their thoughts and feelings. This course was taught by Mrs. Erika Toribio, a school social worker with over 10 years experience.



## DATA COLLECTION SAMPLE/ANALYSIS

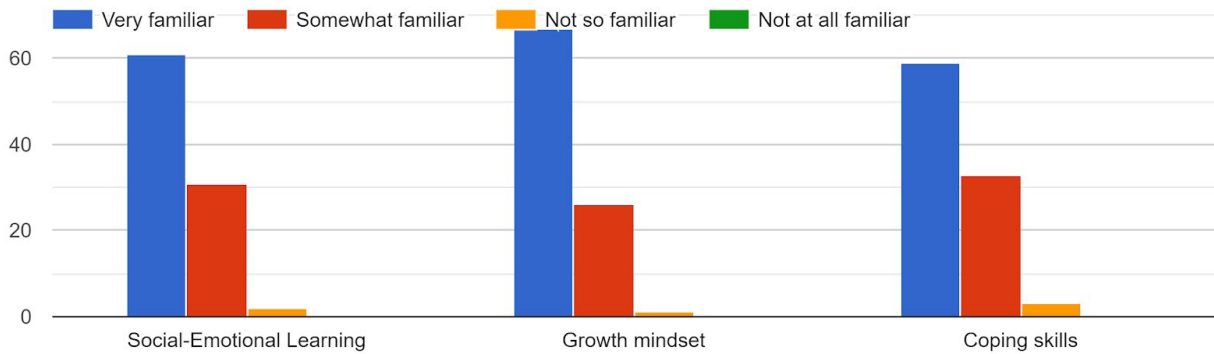
### PRE

How familiar are you with the following concepts:



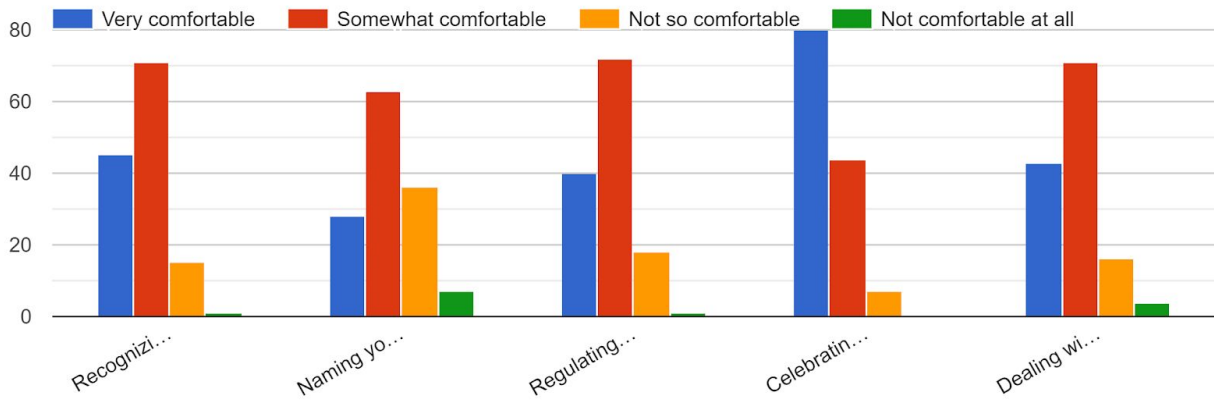
### POST

As a result of this course, how familiar are you now with the following concepts:



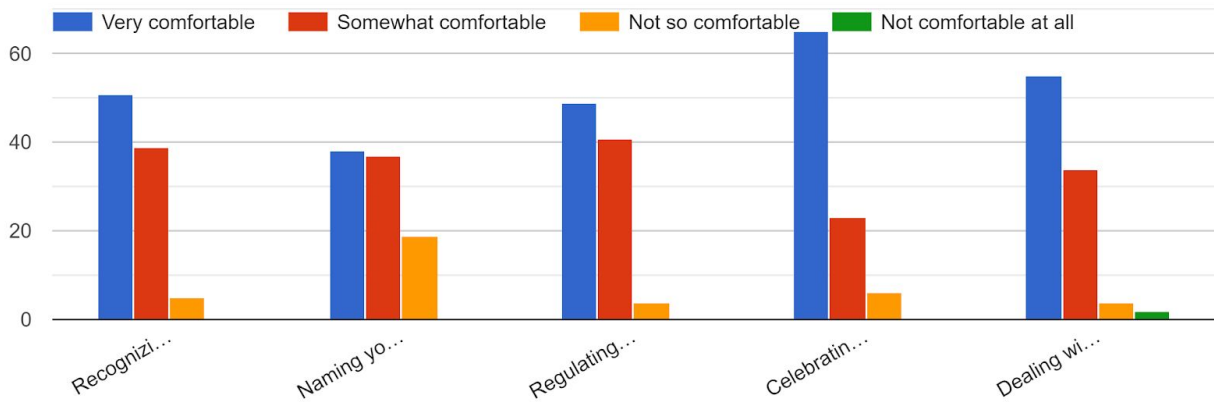
## PRE

How comfortable are you with the following:



## POST

How comfortable are you now with the following:





## EMPOWERMENT STUDENT SERIES: DREAMS BEGIN WITH YOU



The Empowering Every Student curriculum was created to empower students to design their life and become the best version of themselves. The five modules offered during the first week of the program, gave students the opportunity to expand their leadership potential and develop skills for life, such as, planning, goal setting, problem-solving, decision making, and interpersonal communication, all necessary to design and live their ultimate life.

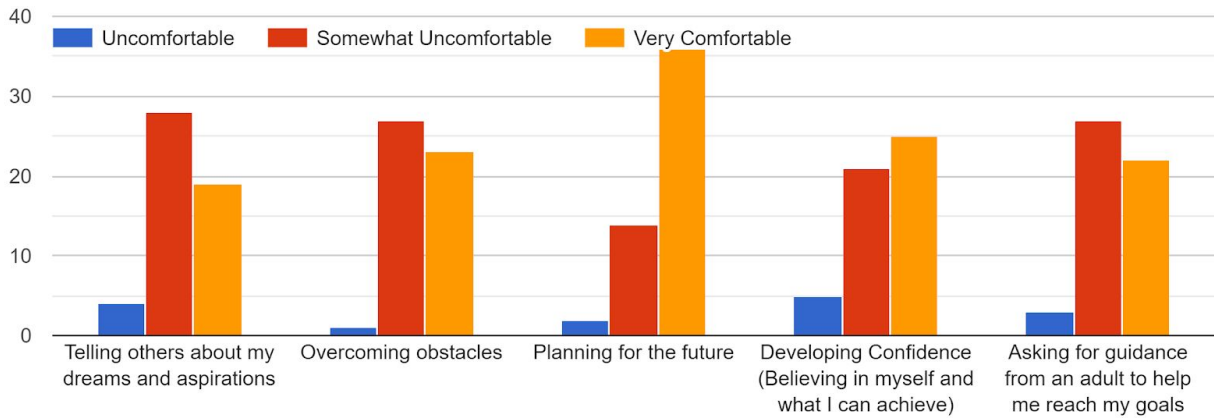
Through these modules, students learned to unlock their potential and motivation by thinking bigger about their future; designing their life around their identity, values and passions; and acquiring the mindset, skills and habits of top performers to learn a lifelong practice for success and fulfillment.



## DATA COLLECTION SAMPLE/ANALYSIS

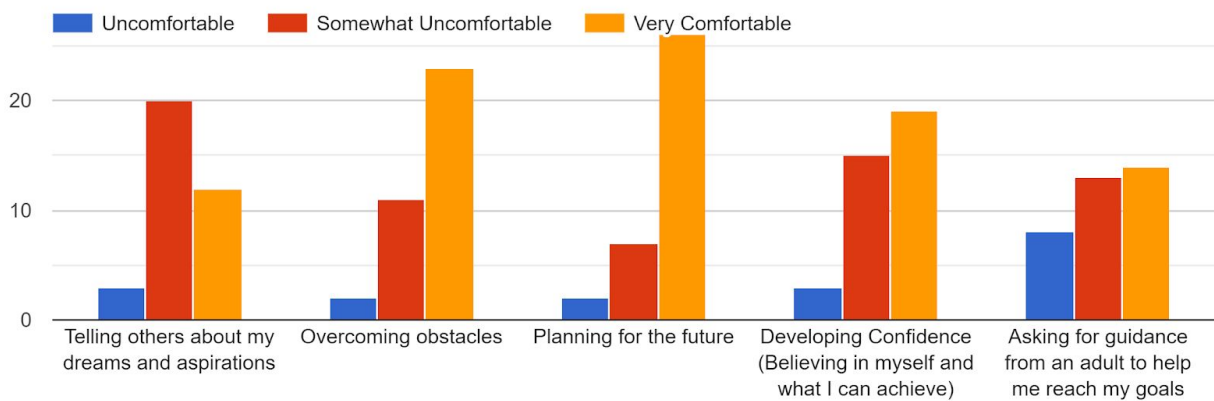
### PRE

How comfortable do you feel doing the following?



### POST

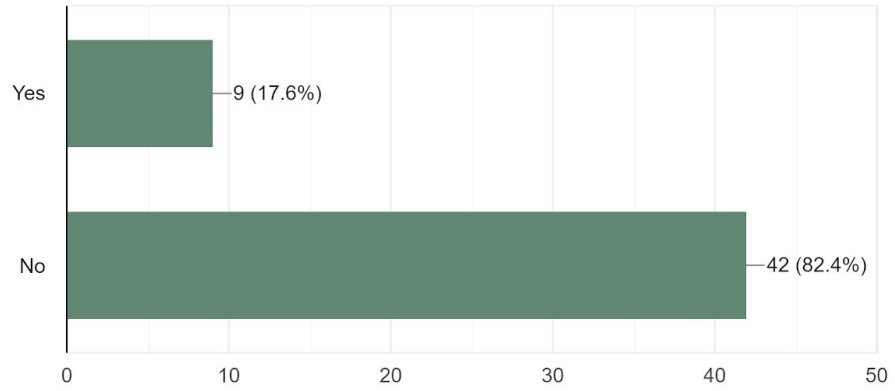
How comfortable do you feel doing the following after attending the "Dreams Begin with You course?"



## PRE

Have you ever participated in a self-empowerment workshop at your school?

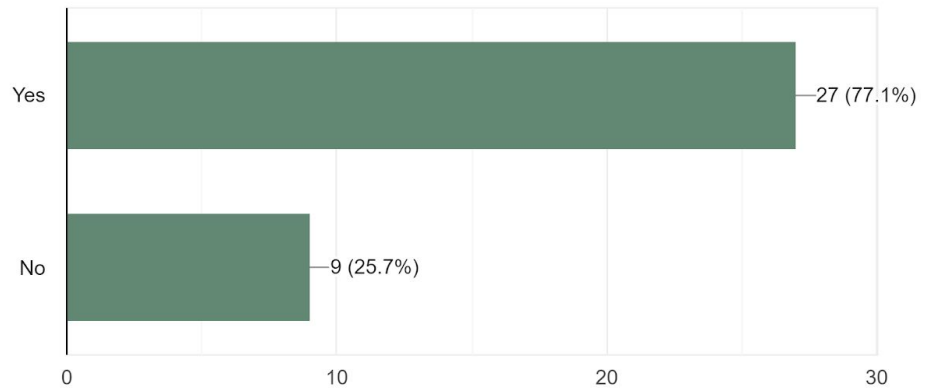
51 responses



## POST

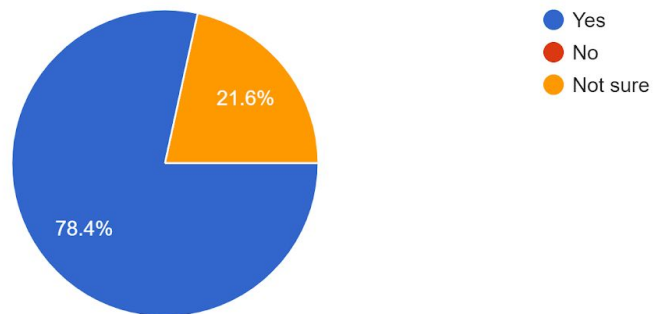
Would you like to continue to receive self-empowerment workshops at your school?

35 responses

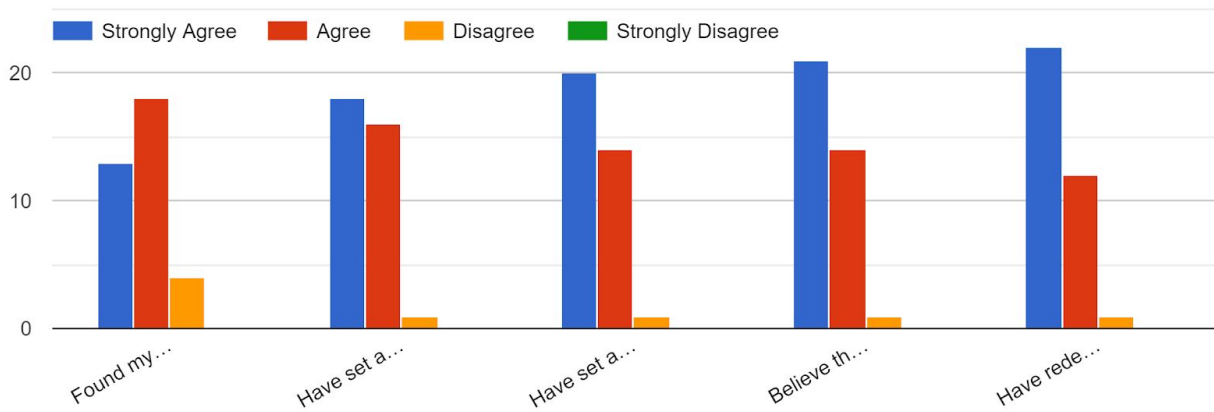


Do you feel this course will change the way you perceive dreams, goals and obstacles?

51 responses

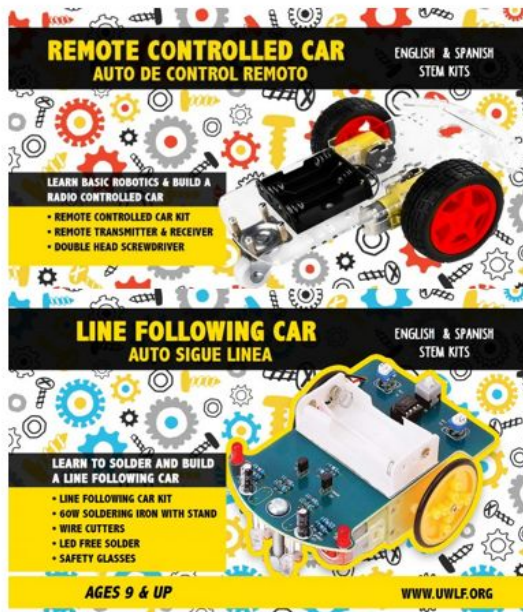


As a result of attending the “Dreams Begin with You” course, I...



1. Found my motivation and passion in life
2. Have set a short-term goal
3. Have set a long-term goal
4. Believe that my dreams can come true
5. Have redefined the meaning of the words: “Impossible, Unrealistic, Challenging”

## SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)



### Science Technology Engineering & Math (STEM)

#### *ENGINEERING DESIGN PROCESS & ROBOTICS*

Our STEM courses provide hands-on exposure to science, technology, engineering and math to engage and inspire students to pursue career opportunities in STEM fields

UWLF provided two STEM academic enrichment hands-on projects for students enrolled in the Fresno State Educational Talent Search summer program. Our engineering specialists used innovative educational tools and technology for students to engage in project-based learning. Both projects provided students the opportunity to explore, investigate, and use their problem-solving skills to find solutions to real world problems. Each STEM project was designed to expose students to the STEM field, (primarily robotics and engineering design process), to enrich and enhance problem-solving skills and last but not least, to develop communication, collaboration, creativity, and critical thinking.

## STEM kits utilized during week 1 and 2

Each participating student received both kits prior to program start date

### Radio Controlled Car

•During our Radio-controlled car workshop, students will learn about radio waves, the electromagnetic spectrum, electricity, circuits, and the engineering design process. This experience is designed to help students problem-solving skills, hands on learning, wiring, building and the engineering practices.

### Line Following Car

•Students will be learning complex circuits to using a micro-controller to control a robot to follow black lines. In this workshop students will develop wiring, debugging, logic, and soldering skills to build a simple line following robot.

## Items included with each kit

### LINE FOLLOWING SMART CAR KIT INCLUDES :

- ✓ SMART CAR KIT
- ✓ SOLDERING IRON & SOLDER
- ✓ SAFETY GLASSES
- ✓ WIRE CUTTERS
- ✓ BATTERIES INCLUDED

*(Detailed instructions and curriculum available in english & Spanish)*



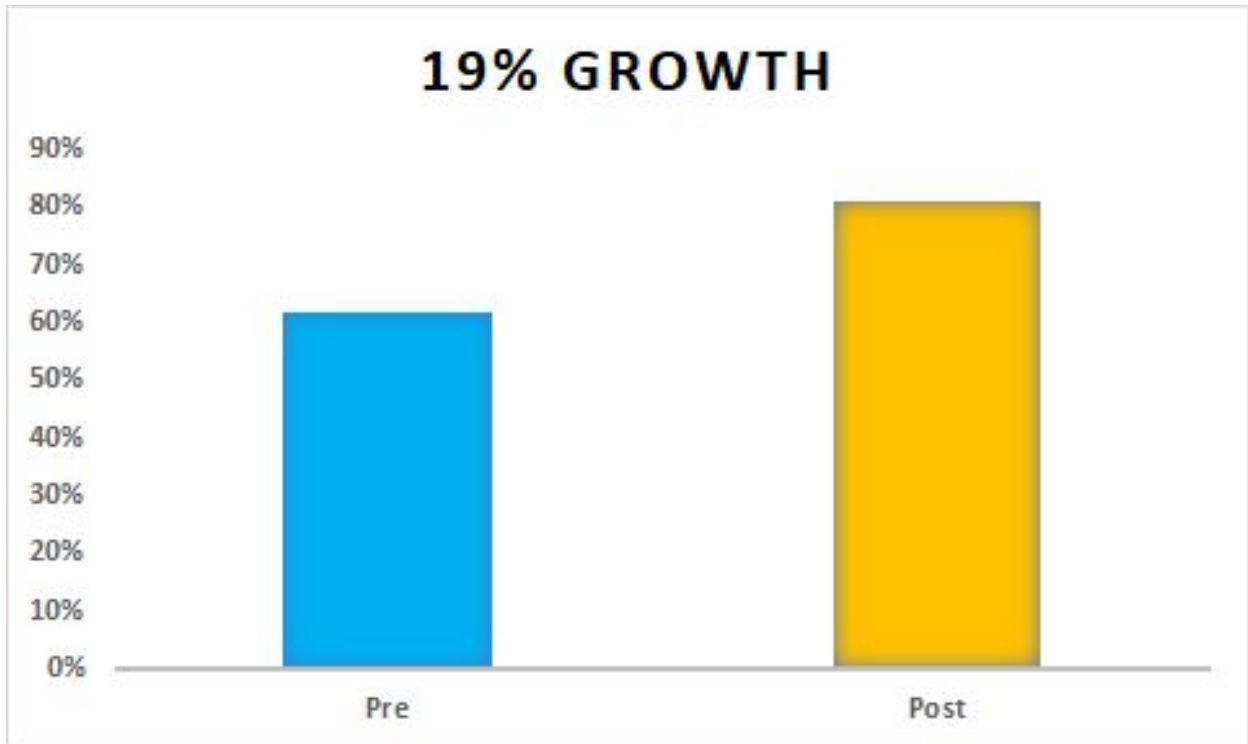
### RADIO CONTROLLED CAR KIT INCLUDES :

- ✓ RC SMART CAR KIT
- ✓ REMOTE CONTROL KIT TRANSMITTER AND RECEIVER
- ✓ SCREW DRIVER
- ✓ BATTERIES INCLUDED

*(Detailed instructions and curriculum available in english & Spanish)*



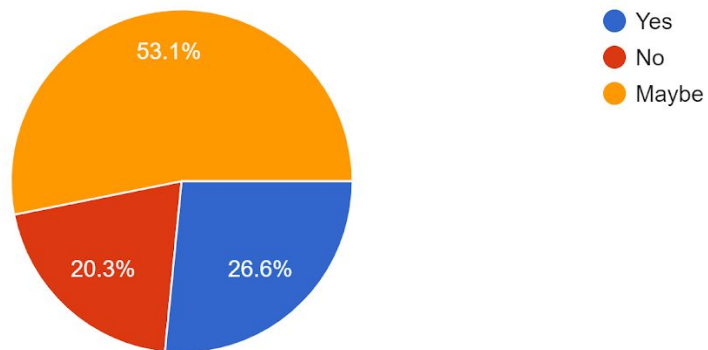
## DATA COLLECTION ANALYSIS



PRE	POST
62%	81%

Are you considering a STEM career as a result of this class?

64 responses

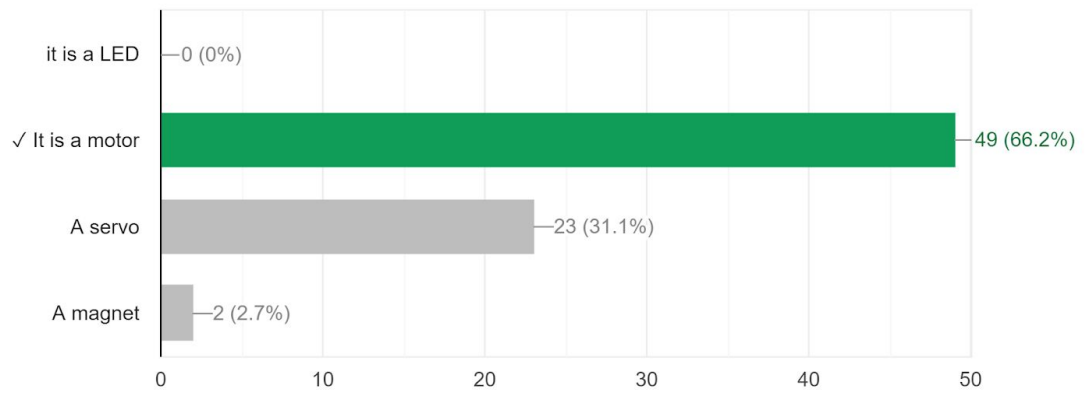


## SAMPLE PRE / POST QUESTIONS



What is this?

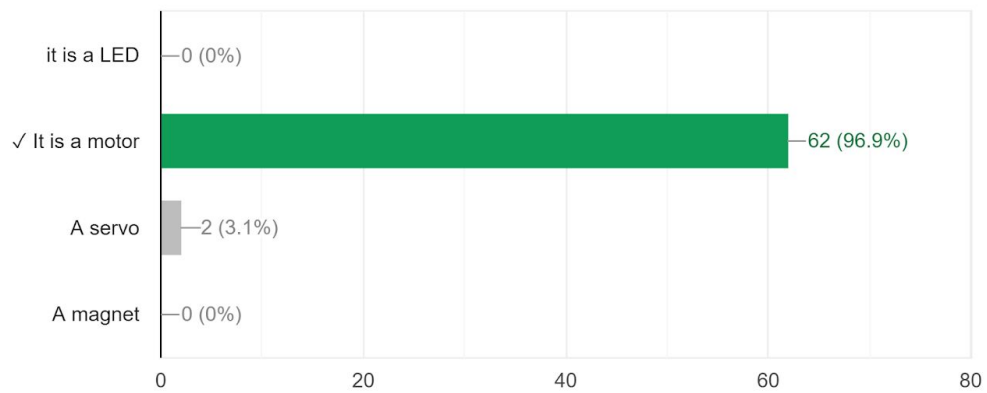
49 / 74 correct responses



## POST

What is this?

62 / 64 correct responses






## College Awareness

### COLLEGE AWARENESS

It's more important than ever that high school students graduate with the knowledge and skills to attend college. But what does it mean to be college-ready? That's the question we'll be exploring in this course.

Students will find several resources that will make their high school and college exploration easier.



### College Awareness

Finding the correct path after high school is never easy. However, this program sets out

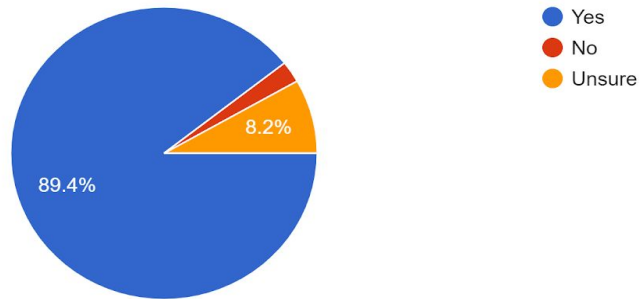
Fresno State ETS students were also enrolled in a course dealing solely with life after high school. The two week program covered nearly every potential college experience including four-year universities, community colleges, and tech/vocational schools. All students partook in making plans for high school, college, and career. Each student walked away with financial aid literacy, college awareness, and the ability to decipher which system would work best for their goals.



## Post Data Evaluation

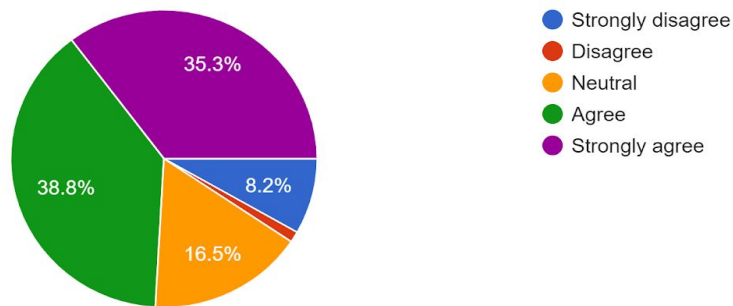
Are you on track with your high school requirements?

85 responses



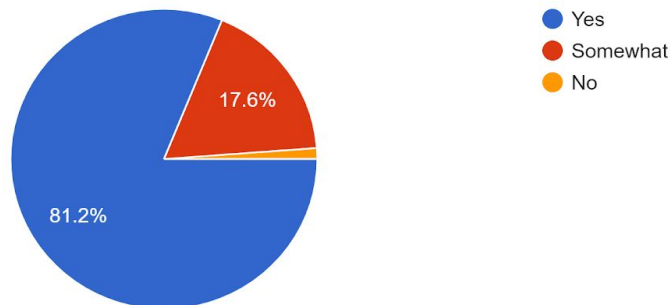
I am more comfortable exploring my college options

85 responses



Do you feel comfortable with A-G requirements?

85 responses



## Curriculum/Data user report



The building and execution of curriculum was one of the most essential parts of UWLF’s partnership with Fresno State Educational Talent Search. Although summer programming was moved to online, the integrity of programming was to remain the same. With that being said, curriculum was expanded across a six week program, taking into consideration students of different learning styles and backgrounds. Each instructor was given the task of completing a curriculum that not only fulfilled the needs of our partners but also that maintained the integrity of learning from home.

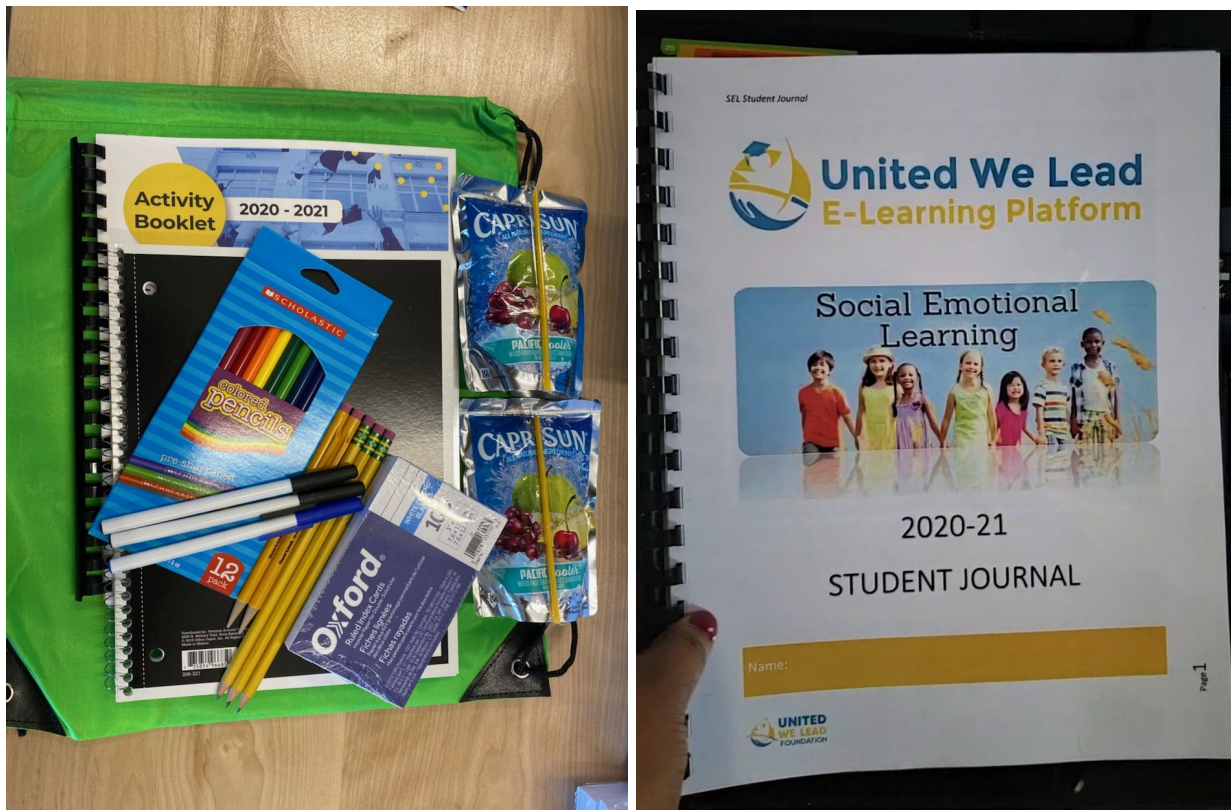
Curriculum consisted of virtual live instruction, external links and assignments to further the conversation, and office hour check ins with students. Throughout the six week program, students spent roughly **204 minutes; N=43**) engaging on content and external information provided on our e-learning website [www.eduwlf.com](http://www.eduwlf.com).

<b>UWLF E-Learning User Report (Independent Study Time)</b>		
<b>Cohort</b>	<b>Average # of minutes spent</b>	<b>Average # of hours spent</b>
<b><i>ETS Fresno</i></b>	204	3.5 hrs.

*Please refer to the E-learning user report on the Exhibit section for additional details.*

## Demographics

Fresno State Educational Talent Search was established in Fall of 2016, bringing the efforts of Fresno State programming to low income areas of the Fresno community. Fresno State's ETS program specifically targets first generation/low income high school students from six (6) main high schools: Firebaugh, Mendota, Redwood, Riverdale, Tulare Western, Tulare Union. These students are admitted into Fresno State's ETS program through an application process in which they are assigned over to a counselor that will help the transition between high school and college.



*Summer goodie bag containing basic school supplies, snacks, program wide book, and drawstring bag.*

## Attendance

*Please see Exhibit A for a detailed attendance report*

## **Pre/Post Data Analysis**

Each student received a pre and post assessment to ensure and track growth throughout the program. Most students had minimal to no prior knowledge of program courses - with the highest number of students reporting a lack of experience with SEL and STEM. Students also were given the opportunity to reflect on their experience and growth within the program. ***Please refer to curriculum section for detailed report on pre/post data***

## **Challenges/Opportunities/Next Steps**

**Challenges:** The greatest challenge faced during summer programming was the unfortunately reality of a global pandemic facing all involved. Students may have/were preoccupied with the realities of situations outside of the control of both organizations. Another vast challenge faced by students was the accessibility of the program, an example would be the ability to zoom, study, or work on material in a quiet learning environment. Lastly, some students find themselves to be full time caregivers over their summer break. The lack of separation between summer program and home has created an immeasurable challenge for all students.

**Opportunities:** As the inaugural group of e-learning students via UWLF's programming, ETS students were given the opportunity to specifically request topics, data, and feedback. Fresno State Educational Talent Search students were immensely influential in the operation of programming throughout the course of summer. Further

opportunities include: continued UWLF education, access to websites created, social emotional coping mechanisms, and the viability of career and college.

**Next Steps:** UWLF would like to thank our partners at Fresno State Educational Talent Search. Your commitment to students is acknowledged and appreciated. UWLF looks forward to maintaining open communication and potential future contracts with Fresno State Upward Bound. Please feel free to let us know of any other programming ideas you may have for the future.

## **Exhibits**

A: Attendance Report

B: E-learning user data report