

## Project P-3421 JavaScript for Wyoming

### Final Report:

The JavaScript for Wyoming (P-3421) was a unique opportunity for Rotary to “make a difference” in the education of Wyoming students that will potentially be a skill in the fast-paced world of electronics that will allow the students to get ahead early in their professional career. The beauty of the computer-based program was that students in rural and remote areas of Wyoming would be able to gain the same cutting-edge training that normally students in the big cities and schools only had access to. This was especially important during this past school year of COVID as it was another opportunity of training for our Wyoming students. Forty-three students and instructors enrolled for the on-line class.

### ***How we did it:***

Array and Rotary marketed the coding program by a variety of means:

In October, a general News Release was distributed (see attachment Array-rotary-press-release-10202020), on the 22<sup>nd</sup> a television interview was held with Channel 5, on the 30<sup>th</sup> a story interview was completed with the *Wyoming Tribune Eagle* newspaper, in November an interview was completed with Wyoming Public Radio on the 3<sup>rd</sup> and on the 4<sup>th</sup> the Java Script Flyer was posted on the web and sent to schools, Rotary Clubs (attachment array-rotary-flyer), on the 14<sup>th</sup> & 25<sup>th</sup> of November, a story was posted by District 5440 to all members (attachment Rotary D5440 – “Introduction to Computer Science Fundamentals using JavaScript” and Array and the Rotary club of Cheyenne Announce Computer Science Partnership for Wyoming Students). In December an email was sent to 17 Clubs in Wyoming with follow up phone calls asking them to intervene with their school computer departments about the Coding School (attachment example Array and the Rotary Club of Cheyenne Announce Computer Science Partnership for Wyoming Students) and an offer by Cheyenne Rotary to do a call/video call with the club representative and the local point of contact with the school.

The flyer and information were also distributed by the Wyoming Department of Education to every Career and Technical Education teacher, school counselor and curriculum and instruction person in Wyoming. It was also passed on to their standards and computer science person to send out to their networks along with the after-school group. A Rotarian in the State Department of Education oversaw this action.

In addition, the flyer and information were shared with the SkillsUSA Wyoming State Director and posted to their social media page. SkillsUSA is a Career and Technical Student Organization including several student chapters across the state of Wyoming.

There are a number of students within the organization that are focused on computer science-based courses. - <https://www.skillsusawyoming.org/>.

Since launching the program in November, we received 43 enrollments from around the State of Wyoming. Thirteen towns and cities were represented: Devils Tower, Cody, Cheyenne, Burns, Evanston, Casper, Lander, Laramie, Chugwater, Torrington, Hillsdale, Wheatland and Clearmont. Surprisingly, there were sixteen educators that enrolled in the course that means there is a demand for instructors in the field of coding. Computer based education provides an ability to easily measure and analyze endeavors and the Coding school is no exception. The Metrics listed below provide an example of the information derived from the project that lends itself to future coding school programs that may be stood up by Array.

### **Summary:**

The partnership with Array and the online Coding school was a success and was the right investment and support by Rotary at right time in consideration of the COVID impact on education for 2020-2021. The Coding school was also a pilot by Array to establish and refine how to reach out to high school students in particular and build a program that would encourage success by the enrollee. Those objectives were obtained, and future programs aimed at the high school level will benefit.

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### ***Metrics of the coding program:***

#### **Enrollment:**

- 57.9% Identified themselves as Wyoming Students
- 39.5% identified themselves as a Wyoming Educator or Teacher
- 0% identified themselves as a Rotarian
- 5.3% selected "Other"
- Official spreadsheet attached.

#### **The completion data:**

- 14% have not started the online program
- 58% have begun the program but less than 25% completed
- 7% are between 26%-50% completion.
- 2% are between 51%-75% completion.
- 9% are between 76% - 99% completion.
- 9% have completed the program and received the Certificates of Completion.

- Array has sent out 2 Certificates of Authenticity to the students who completed the program and decided to take on the additional challenges of getting their code certified by Array.


#### Mentorship:

- Array created a free Slack channel to provide mentorship to the online students.
- Array provided 2 Apprentices for help, feedback, coaching when issues arose.
- 2 students signed up for the free mentorship piece.
- 1 student ended up actually applying to attend the Array Spring 2021 boot camp. Was accepted!

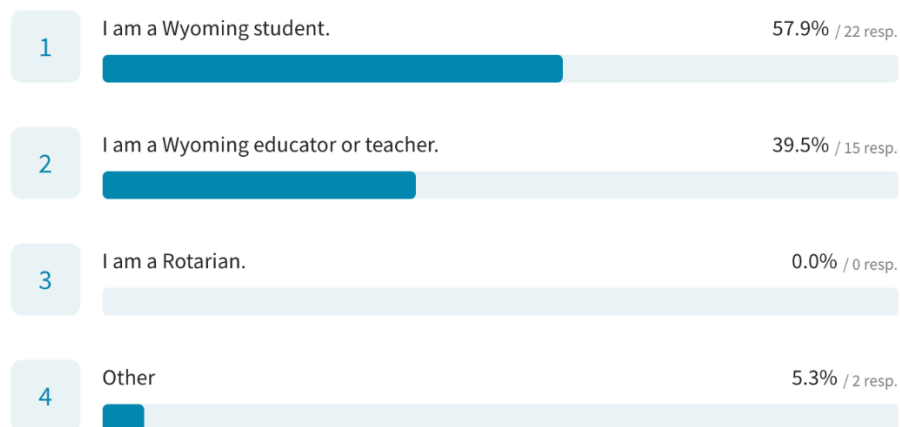
## Array COSCI Coupon Request

38 responses

I am requesting a coupon code because...

 Hide question

38 out of 38 answered



Project P-3421 Coding School grant final report  
30 April 2021

### Percentage Breakdown

Percentage of completion for lectures excluding when bundled.

PERCENTAGE COMPLETION	ALL USERS	FREE USERS	PAID USERS
0%	6 (14%)	6	0
1%-25%	25 (58%)	25	0
26%-50%	3 (7%)	3	0
51%-75%	1 (2%)	1	0
76%-99%	4 (9%)	3	1
100%	4 (9%)	4	0

CHAPTER 1 - A GENTLE INTRODUCTION	AVERAGE SCORE	MIN SCORE	MAX SCORE	TOTAL COMPLETED
Introducing Karel Quiz	89%	50%	100%	32
Final Quiz	83%	44%	100%	14