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COMPLETE

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Page 1

**Q1 LEA School/District Name**

5706-02

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**Q2 LEA Contact Name**

Kristin Haggard

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**Q3 LEA Contact Title**

Computer Science Teacher

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**Q4 LEA Contact Email**

khaggard@orsd.k12.ar.us

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**Q5 LEA Contact Title**

Computer Science Teacher

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**Q6 LEA Contact Phone Number**

4793945544

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**Q7 Grant Level Proposal**

**Small - Under \$7,500**

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**Q8 PROPOSAL DESCRIPTION (MAX 3000 Characters)** - provide a narrative regarding the need for the proposed program/project, specific goals to be achieved, and how if funded the program is likely to achieve those goals.

In applying for this computer science grant, I am hoping to increase the number of students in my high school level courses. I would also like to help my middle school students understand what computer science is. To accomplish increase interest as well as understanding, I am proposing to start a project that will teach the elementary students about computer science. At Acorn, I do not believe we have a good program to help the elementary teachers teach the coding standards. As a K-8 Lead Teacher, I would like to involve my high school students to help increase interest with the elementary students. I would like to purchase several programmable robotics for my Independent Study students to teach the elementary students how to code. This would relieve some of the pressure for those teachers that are a little intimidated by this initiative. My high school students would learn how to operate the robot. They would come up with a fun project to teach a target age group. Our target age group would depend on the robot. I would like to start with 4th-6th grades. If this works well, I would try to build on the program for next year with focus on the lower grades.

**Q9 PROPOSAL TIMELINE (MAX 1500 Characters)** - list major activities of your proposal with approximate target dates

For this project, I would start in January giving the high school students time to learn their robot. After several weeks, the students would plan a lesson to teach sometime during February.

**Q10 PROPOSAL EXPECTED RESULTS (MAX 1500 Characters)** - Describe the student outcomes, or changes, that will result if this proposal is funded.

I should see an increase in the number of high school students enrolled in my 2019-2020.

**Q11 PROPOSAL EXPECTED IMPACT (MAX 1500 Characters)** - Describe the estimated number of students, teachers, and/or community members that will be impacted and how they will be impacted if this proposal is funded.

Initially 136 students would be impacted. If funded this would also increase the number of students taking computer science in high school.

**Q12 INNOVATIVE ASPECT (MAX 1500 Characters)** - Describe why this proposal is creative and should receive funding as an out of the box way to support student growth/achievement.

My proposal should be funded. My high school students love robots. They are excited to learn how to use them. It would mean something to them if they are responsible for showing little kids how to use something. Sometimes, a student will learn more if they have ownership of a project from start to finish. This would good for the younger students to see what the high school kids are doing.

**Q13 TRANSFORMATIVE POTENTIAL (MAX 1500 Characters)** - Describe how this proposal if funded and implemented beyond your program has the ability to raise student achievement across the state.

If we start in elementary introducing what is computer science, they will be more interested in possibly pursuing a career path in this new innovative field. Hopefully this will bring jobs to Arkansas.

**Q14 FOLLOW UP and/or MARKETING/OUTREACH (MAX 1500 Characters)** - Describe how your organization will follow up on this program after completed and/or how it will be marketed to and awareness raised within the community if the proposal is funded.

During this project, I plan to take pictures from start to finish. I may even try to create a video of some activity. I plan on putting some pictures on social media, as well as our district's webpage.

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**Q15 Budget Proposal**

**CS Grant Budget.pdf (77.3KB)**

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## Arkansas Computer Science Grant Budget

Item	Price	Quantity	Total	Est. Taxes	Total Cost
Cozmo	179.99	5	899.95	72.00	971.95
mBot Ranger	99.99	5	499.95	40.00	539.95
Elegoo El Kit Smart					
Robot Car	69.99	5	349.95	28.00	377.95
Codrone	179.99	2	359.98	28.80	388.78
Makeblock Airblock					
Transformable Drone	99	3	297	23.76	320.76
UBTech Robotic-					
builderbot series	119	2	238	19.04	257.04
Raspberry Pi Kit	74.99	5	374.95	30.00	404.95
Hummingbird Duo Kit	269	2	538	43.04	581.04
3D Printer	628.99	2	1257.98	100.64	1358.62
<b>Total</b>			<b>4815.76</b>	<b>385.2608</b>	<b>5201.02</b>