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**MEMORANDUM**

DATE: March 12, 2019

TO: Tim Wyrosdick  
Superintendent  
Santa Rosa County District Schools

FROM: Jeffery Baugus  
Coordinator of Math & Science

SUBJECT: Summer STEAM Camps for 5<sup>th</sup> and 8<sup>th</sup> Grade students

This memorandum is to provide a cost estimate for implementing a STEAM summer camp program for 5<sup>th</sup> grade and 8<sup>th</sup> grade students in the Santa Rosa County School District. The STEAM camps would serve up to 100 students each and take place at both Woodlawn Beach Middle School and Hobbs Middle School. The camps would be offered across two weeks (June 17-21 & July 8-12) with attendance from 8 am to 12 noon each day and a snack served in the middle of the day. The camp poses dynamic problems for students to solve in teams and would allow them to make hypotheses, conduct scientific testing, engineer creative solutions, and think outside-the-box. This year's camps involve flying drones to conduct scientific missions on a fictitious foreign planet.

Student attendees would attend the camp at no charge to the student. Each attendee would receive a badge (used to accumulate certifications and successful missions) and a t-shirt to commemorate their participation. The experiences will be designed to foster excitement in STEAM related fields of study. The camps will be staffed from our existing instructional personnel and will be under the supervision of Math and Science Coordinator, Jeff Baugus.

To continue the excitement generated by the summer camps, the drones purchased will be provided to schools along with professional development for teachers on how to continue using them to help support STEAM initiatives in our schools.

I have prepared a detailed cost estimate on what it will cost to hold two 5<sup>th</sup> grade camps and two 8<sup>th</sup> grade camps in the summer of 2019.

### Cost estimate for STEAM Summer Camps

**Staff Costs:** For 100 students we would need 6 teachers and a lead teacher. The lead teacher would be paid 20 camp hours and 15 hours of prep time for a total of 35 hours. Each teacher would be paid for 20 hours of actual camp time and 10 hours of prep time for a total of 30 hours. I will use the figure of \$35 per hour which includes benefits.

Lead Teacher	1 for 35 hours	@ 35.00	1,225.00
Teacher	6 for 30 hours	@ 35.00	<u>6,300.00</u>
Total for 1 camp			<b>7,525.00</b>

**Drones:** The Drone Pack will consist of 80 drones along with spare parts, extra batteries, and battery chargers. This quantity of drones allows teams to fly consistently as well as allow schools to receive multiples drones after the camps conclude.

Drones	80 units	<u>12,500.00</u>
		<b>12,500.00</b>

**Supplies:** For each camp we will need daily snacks, t-shirts, badges, stickers and other miscellaneous materials. These cost estimates are outlined below. We anticipate around 400 students total will attend our camps.

T-shirts	10.00	for	400 students	4,000.00
Snacks	3.00	for	400 students for 5 days	6,000.00
Badges/Stickers	5.00	for	400 students	2,000.00
Misc. Materials	5.00	for	400 students	<u>2,000.00</u>
				<b>14,000.00</b>

### Cost of 2019 Summer Camps:

Camp Staff (4 camps)	31,000.00
Drones	12,500.00
<u>Supplies</u>	<u>14,000.00</u>
<b>Total</b>	<b>57,500.00</b>

Thank you for your consideration of funding these camps. I believe the experiences students have with them will be beneficial as they continue their growth in the STEAM areas of creativity, communication, collaboration, and critical thinking.

If you have any questions regarding the proposed camps, I stand by ready to assist.

Serving Together,

**Jeffery Baugus**