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Project Title: [REDACTED]

Basic Biographical Information	
Names	[REDACTED]
Position/title	Kindergarten Teachers
School	[REDACTED]
School Address	[REDACTED]
Contact email:	[REDACTED]
Contact phone number:	[REDACTED]
Principal Name:	[REDACTED]
Contact information:	[REDACTED]

Biographical information:

Greetings! We hope that you consider our grant proposal and thank you for your time in advance to read and learn more about our school. We want to first begin by giving you some background information regarding our school. [REDACTED] is located on the [REDACTED] [REDACTED]. We are in the heart of the legendary [REDACTED] area. Our school neighborhood is rich in culture; however, our students need more resources to begin to explore life beyond their neighborhood. Our school is comprised of predominantly African- American students (over 99%) in which over 98% of our student demographic received free or reduced lunch. We serve students from grades Pre-K-8 with a total population of 284 students. This is our first time submitting a proposal for the Rotary One grant.

We would love for you to consider our Kindergarten population of students for this grant. It is our intent to utilize this grant to purchase materials that would expose our students to the world of STEAM. Our goal is that our scholars will be successful in all content areas that extend beyond Reading and writing. Through the use of STEAM activities, students will be able to create, build, explore and dive further into the world of Science and its components. Our scholars will not only be able to just see basic technology, but actually be able to create and develop STEAM projects and to explain in-depth about their creative process. We are not only seeking to teach our scholars but to ignite the flame of becoming life-long

learners, innovative thinkers, and problem solvers through hands-on experiences, field trips, research, explorations and creation.

We believe that one way to decrease the achievement gap is for our students to know what college is, why it is important, what happens beyond college or as a result of college and understand what it takes to get to college. Our students understand in the early grades that they are college bound and that they are in school for a reason. We are continually looking for ways to expose our students to new experiences that will help them to develop new ways of thinking, and encourage them to be curious. Our ultimate goal is to create lifelong learners, problem solvers and innovators. StatisticalAtlas.com reported that 24% of the 21, 336 people in the ██████████ community continued on to pursue a higher degree. We want to help our students be able to see themselves in college, see themselves reaching their goals, their full potential, and achieving their dreams. This program will open up new possibilities for them. It will unlock new discoveries and open up a world of imagination for our students. STEAM inspires.

We envision our program being implemented every Friday afternoon from 2:00-3:00 and we call it Full STEAM Ahead! We will begin our program February 4th and end June 3rd. Full STEAM Ahead would comprise 3 phases.

Phase 1: Becoming an Inventor

Phase 2: Learning about Forces in Motion.

Phase 3: Scientific Investigations and Experimentations.

Our program will impact the 2 Kindergarten classrooms of ██████████ with a total of 28 students. The need that we are addressing is the need for STEAM exposure. As discussed earlier, our ultimate goal is to create lifelong learners, problem solvers and innovators. We want to build their curiosity, awareness and new ways of thinking. This need is evident during our teaching sessions and deep questioning. We discovered that our students seem to lack the experiences with science, innovative thought experiences and more. Our students experienced the shut-down of 2020-2021 at home without formal instruction. For many, this pivotal time robbed them of their first experiences in a school setting where they would have begun to broaden their experiential learning. We have been working tirelessly to make up for time lost. We believe that this program would provide amazing opportunities for our students and deepen their understanding, language skills and deep thinking in a way that would make it feel like the year lost, never happened. That is our dream and it seems to be in line with the objectives and goals of Rotary/One. That is what makes this grant such a great fit for ██████████! We both are looking to improve the outcomes of our ██████████ area Chicagoland students. Full STEAM Ahead will be something new to our primary population, parents and students alike will totally benefit from this.

Our program will be launched with the focus topic of Famous African American Inventors. We will use this time to dive into the many contributions of African American inventors into society. We will introduce 3-4 new inventors weekly and challenge our students to see themselves as inventors as well. We will present as many of the items that have been invented to the students in a tangible way if possible. With the help of the Rotary Grant we would like to purchase a Maker station that we can place in each class and use during our sessions to introduce the students to the idea of being inventors. This will give the students the opportunity to practice inventing things on their own. We would connect our Leader In Me, beginning with the end in mind habit 2, to the idea of making a plan before you begin to

invent. We would present the students with the idea that each inventor had a problem to solve. We would spend time brainstorming problems that they may have wondered about or had and wanted to solve. We would teach them about making blueprints and or mapping out a plan to solve their problem. We would like to invite a local architect (Duwane Hill) to speak to the children and share some blueprints with them. We would also like to take the students to the Carver Innovation Center with an opportunity for them to take an idea to the center and print it out on the 3-D printer. Our parent connection piece for this phase would happen during our culminating event. We would culminate this phase with an invention convention where we would showcase our students' plans and inventions for other parents, students and staff to see during a virtual live showcase. Students will present their inventions, blueprints or plans and what inspired them. Parents, students and staff will be invited to unmute at the end of the presentations and ask questions to each of the inventors.

Check-In: After our phase 1, Full STEAM ahead will survey the students and assess the effectiveness of the program thus far and what can be done to improve. Pictures of the students learning, creating, listening to our guest speaker and the trip to the Carver Innovation Center will be shared with our parents and our Rotary/One status report. We would love for the Rotary/ One staff members to accompany us on trips, sit in on our culminating event, or any of our class sessions.

Phase 2 would launch Forces in Motion. We would introduce and explore the topic of force and motion. We would switch our maker's station to house items that students can independently use to make pulleys and pulls. This would connect with our current science unit where we will be learning about forces and our students will have the opportunity to develop their own items that can be pushed and pulled. Our students will have the opportunity to construct scientific explanations that describe the different ways that an object moves as caused by different forces exerted on the object. They will focus on investigation and explaining the different distances and directions that a pinball can be made to move in a pinball machine.

Check-In: Our students will use technology to research videos about Forces and Motion, access Brainpop for student activities, and video record the step by step process of how they created their project which will be shared via email with our parents and our Rotary/One staff. Our check in on the 15th will consist of pictures.

Phase 3 would launch our Weather Investigation and Experimentations. During this phase we would focus on the process of experimentations and scientific processes. The students will observe, study and investigate different weather patterns and why the weather changes. We will also conduct many different experiments exploring the properties of water, magnets, and many of the different topics of physical science. We will take students on a field trip to the museum of Science and Industry to view the weather and climate exhibit before the culminating of phase 3. We will culminate the entire Full STEAM Ahead Project with a movie highlighting our Scientific Journey which we will share with our families looking at our Scientific quest throughout each phase.

Check-In: We will share pictures of our students on our field trip with the Rotary/One staff and parents. We will complete one final assessment of the learning and growth of our students through surveying our students and parents.

Budget Item	Description	Quantity	Estimated Cost
Tinkering Toolbox	Tinkering Toolbox fully loaded	2	\$329.00
Ramp	Roll and Race activity ramp	1	59.00
Engineer Coaster	Engineer-a- coaster activity kit	2	49.00
Chromebooks	Dell 3100 Chromebooks	4	\$1402
Books	Kindergarten Reproducible design challenges	1	\$19.99
Stem stations	Stem Station complete set	1	149.00
Stem early learning kits	Stem early learning kits complete set	1	269.00
Stem challenge kit	Building Brick stem Challenge Kit	2	39.00
Building planks	I can build it! construction planks	1	39.00
Design blocks	Young Architects design blocks class set	2	49.00
Tool Pack	Tool Pack	1	89.00
Total			\$2,997.99

