

## **Limitless Ingenuity: Building a Community of Innovative Learners**

### **Dear Education Foundation,**

I am very excited to share our project Limitless Ingenuity, with you! This is Indian River Academy's first year of school of Aerospace and Robotics instruction, and we can't wait to take off to the moon and back with our scholars!

### **About the Project:**

Indian River Academy's School of Aerospace and Robotics is on a mission to create a school of excellence, innovation, respect, and responsibility. Our mission is to inspire and educate all students to become tomorrow's leaders in the field of Aerospace and Robotics. Limitless ingenuity reminds our students that the sky is the limit, and that they deserve the best education no matter their circumstance. The Limitless Ingenuity project will provide students in grades 3-5 with an opportunity to work with the robotics program by the name of Ozobots. Ozobots is an award-winning robotics platform that drives engagement in all subject areas. Robotics in the classroom teaches students to learn how to express themselves, listen, and relate to others - gaining valuable lifelong skills. Scholars will have the opportunity to become confident by collaborating with peers, practicing problem solving, and using computational thinking skills in a hands-on, engaging way. It is our duty as educators to break down any barriers our scholars have, identify and encourage their individual strengths, help them to overcome challenges, and as well as support and celebrate their success.

### **Targeted Population:**

This project will be available to students in grades 3-5.

### **The Issue:**

This grant will provide opportunities for inquiry-based learning to all students in grades 3-5. We are targeting our students in the bottom 25<sup>th</sup> percentile in the areas of reading, math, and science. This percentile includes, but is not limited to, our non-proficient readers, English speakers of other languages, and our students with disabilities. This grant will allow students to apply content knowledge in a meaningful way, providing scholars the opportunity to become creative scientists and leaders outside of the normal classroom curriculum. Ozobots will give every student the feeling of confidence, whether they are proficient or facing challenges in their daily academics of reading, math, or science.

### **The Change:**

As a result of this grant, learners of all levels will have the opportunity to be creative and innovative with hands-on experiences. Participants will make connections with peers through partner or group challenges or tasks, apply the experience to real-world challenges, build models, and describe how they are used to solve real-world problems. This project also promotes active listening and purposeful speaking to successfully work through higher level tasks. Perseverance and self-regulation naturally occur in these highly engaging tasks.

**The Action:**

As the media specialist, it will be my responsibility to implement integrated lessons that support the grade level standards. I will be a part of an ongoing collaboration with classroom teachers and coaches to be able to provide scholars the hands-on experience that will support their classroom learning with robotics.

**Grant Oversight, Monitoring, Progress, and Results:**

Progress monitoring of each student's ability and application will happen through problem-solving task completion. District unit assessments in the areas of reading, math, and science will be monitored.

**Price:****24 Ozobots (2 12-pack class sets) 3,210**

Kit includes: 12 Ozobot Evo robots, Ozobot Classroom license code, Boot Camp training for Educators, 12 Color Code marker sets, charging & storage base, Ozobot poster, and Classroom Kit bin.

**Lenovo Tablets with Charging Station- \$3,499.69**

10 Lenovo Tablets- \$1,399.90

10 FlexView Folio Case- \$299.90

1 LocknCharge Carrier 20 Cart- \$1,499.99

10 Geek Squad Protection - 1YR- \$299.90

**Total Cost: \$6,709.69**

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