

## **New Application: K-12 GRANT**

We WILL be able to carry out this project if our request is partially funded. IF PARTIALLY FUNDED: We would choose to purchase fewer items on the list and rearrange plans for STEM activities and/or seek additional funds from other places. FUTURE FUNDING: STEM is important to the Madison community. MCE will work the Madison Academy and local donors to continue funding support of a vigorous STEM program across the full campus.

**GRANT TYPE: Catalyst K-12**

**REQUESTED AMOUNT: \$10,000.00**

**Madison Campus Elementary**

### **CONTACT**

Kelvin Del Valle - Advancement Director

PH: (615) [REDACTED]

### **PROJECT LOCATION**

1515 Sutherland Drive

Madison TN 37115 [REDACTED]

### **PROJECT CATEGORIES**

- Education and science education
- Youth and young adults

**Pastor Cohort Study? No**

### **TAX STATUS**

Madison Campus Elementary is owned/operated by a Seventh-day Adventist entity

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#### **School applying for a STEM Grant**

- 17 classrooms, 185 students
- STEM grant received from Versacare in 2018
- See technology plan

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### **HISTORY AND PURPOSE**

Madison Campus Elementary's mission to Magnify God, Cultivate Disciples, and Excel Academically reflects the worldview, core values, and educational philosophy of the SDA church and are integrated into all areas of campus life.

Rooted in a Christ-centered approach, the school has a rich history dating back to 1906 when it was established under the visionary leadership of Ellen White. Situated northeast of Nashville, Tennessee, on a scenic bend of the Cumberland River, the campus includes six beautiful acres, allowing our students to utilize the outdoors for play and recreational education.

MCE provides a quality Christian education with caring teachers and staff who create a safe and positive learning environment for each child. Our certified teachers strive to create an engaging and stimulating learning environment for our students. We utilize technology to enhance instruction. Our goal is to reach each learner where they are, moving them forward towards their fullest potential.

As a thriving elementary school collaborating closely with a sister high school and serving a diverse community, it needs a vigorous STEM program. Providing engaging activities and projects in science, technology, engineering and math is a priority.

### **CREDENTIALS, ACCREDITATIONS, ETC.**

Adventist Accrediting Association

Middle States Association of Schools and Colleges

### **ABOUT THE PROJECT/PROGRAM**

#### **DESCRIPTION:**

STEM education in elementary schools holds immense value in shaping young minds, fostering critical thinking skills and preparing students for a rapidly evolving. Introducing these concepts at an early age cultivates a strong foundation in critical thinking and problem solving skills. Through hand-on activities, experiments and interactive learning experiences, elementary and middle school students develop the ability to analyze situations, think creatively, and devise innovative solutions— an essential skills set applicable across various disciplines and future endeavors.

This grant will help Madison Campus Elementary nurture curiosity and a passion for exploration. Exposure to a variety of projects at age appropriate levels — electronics, robotics, music/video production, and more encourages children to ask questions, investigate, and seek answers through experimentation and inquiry-based learning.

In partnership with other donors, this generous Versacare grant will outfit a designated Maker Space as a specific room for collaborative cross-grade and cross-curricular learning activities with STEM activity kits and hands-on activities using simple materials to encourage students to brainstorm, problem solve, and innovate.

#### **ACTIVITIES:**

Early exposure to STEM subjects cultivates a pipeline for future career opportunities. It lays the groundwork for students to explore potential STEM-related professions, fostering an interest in fields that are crucial in an increasingly technology-driven global economy. By building a solid STEM foundation in elementary school, students are better equipped to pursue advanced studies and careers in these fields.

STEM education in elementary schools fosters adaptability and resilience. It encourages a growth mindset, teaching children that failure is a part of learning and that perseverance and resilience are essential qualities when faced with challenges—a valuable lesson that transcends academic subjects and applies to all aspects of life.

Embracing STEM at an early age lays the foundation for a future generation equipped to thrive in a rapidly changing society.

## BENEFICIARIES:

Integrating STEM into elementary education promotes interdisciplinary connections. Students grasp the connectedness of various fields and encourage a holistic understanding of the world. Furthermore, a practical application in subjects fosters a deeper comprehension of their relevance in everyday life.

PK-12 students who currently enjoy some basic science activities in the curriculum, would, through this grant, have significant STEM enrichment. In addition, Middle School students who choose a STEM elective will access a Maker Space for new opportunities. For example, elective options taught or scheduled next include: DIY Music Instruments, Roller Coasters (Rube Goldberg designing), and Ballasite Bonanza (everything from potato cannons to stomp rockets to trebuchets).

STEM education encourages teamwork and collaboration. Engaging in group projects across the curriculum and/or across the grade levels fosters communication skills, cooperation, and other soft skills that are essential for today's school and work environments. Embracing STEM at an early age lays the foundation for a future generation equipped to thrive in a rapidly changing society. Thank you, Versacare, for providing opportunities for our students!

Madison Campus Elementary serves 185 students in grades PK-8th. These students receive a vigorous education in literacy, math, religion, social studies, and science.

## ANY DISADVANTAGED OR UNDERSERVED GROUPS AMONG BENEFICIARIES:

Nearly 60% of the families at MCE receive tuition assistance from generous donors who believe that Adventist education should be available to those who wish to engage and actively support the school. Our local donors and church members digently sacrifice to make Christian education and quality experiences a reality for children.

## FUNDING

If this request is funded, we agree to provide a full financial accounting of how Versafund monies were used, and agree to be audited if requested. Additional Funding Sources:

<b>Amount</b>	<b>Source</b>
\$10,000	Local Donors

## Project Costs

<b>Description</b>	<b>Amount</b>
Reusable engineering class kits (ubtech)	\$2,800.00
Cubelets Intrepid Inventors Mega Pack	\$3,700.00
Mini audio/visual production studio	\$3,500.00
DIY STEM Building Projects	\$1,500.00
STEM Experiment Kris	\$1,350.00
Robotic Programming Kits	\$1,200.00
<b>Total</b>	<b>\$14,050.00</b>

**Project Income**

<b>Description</b>	<b>Amount</b>
Local Donor Support	\$5,000.00
<b>Total</b>	<b>\$5,000.00</b>

**ONLINE COVERAGE**

Please provide links to online coverage or mention of your organization, of your project, or of your project administrators.