

<b>COUNTY</b>	<b>FOUNDATION</b>	<b>PROJECT TITLE</b>	<b>SUMMARY</b>
Broward	Broward Education Foundation	EmPOWERing STEM Through SECME	This program allows for the expansion of STEM-integration to the entire district using SECME as the vehicle for learning, enhancing science instruction, and collaborating with like-minded peers. Teachers will develop plans for the integration of language arts, math, and science concepts appropriate to their grade level as they engineer water bottle rockets with the best hang times, mousetrap cars that travel the furthest, bridges that can withstand the greatest application of force, and generators that can produce the greatest amount of voltage. Their work with teacher observers under the supervision of the teacher leaders will allow collaboration and engagement to grow through a solid foundation as their SECME teams become more cohesive. It will also eliminate the "single teacher, program lives or dies with them" situation that plagues our educational environment.
Collier	Champions for Learning	EmPOWERing the Next Generation through Success in STEM	This school year, Marco Island Academy (MIA) is introducing an Integrated Science curriculum which will see the teachers working together to plan, implement, and ensure a successful progression for students into a future Biology curriculum. Veteran instructors will work to mentor instructors new to the school's Chemistry/IGCSE and AICE Marine Science curriculums. MIA teachers will have cooperative planning time, observe one another in the classroom, and debrief specific lessons. Teachers from Marco Island Charter Middle School will be invited to observe the MIA lessons in action and participate in a debrief session around those specific lessons.
Flagler	Flagler County Education Foundation	Flagler's Purposeful Learning	This project challenges 4th-8th grade teachers to submit lesson/project plan ideas incorporating 3rd-8th grade "high-needs" science state standards to the district STEM Coordinator that teacher observers can take back to their classes and implement immediately. Each lesson plan must contain a pre/post-test to check for understanding, a hands-on component, and a writing piece. This will ensure that the lessons are hitting not only the science and math standards, but likely ELA standards too. Eight lead teachers will be selected to lead sessions at their school during the year. A final session will be a culmination of information for the events while facilitating vertical planning between the elementary and middle school teachers.

Indian River	Education Foundation of Indian River County	90 x 9 Algebra PLC	This project is an expansion to high schools of a successful professional learning community in district middle schools last year. The peer-to-peer learning opportunity will provide time for teachers to develop a deeper understanding of the new Algebra 1 B.E.S.T. standards. Teachers will work collaboratively in recurring cycles to plan, implement, reflect, and revise instruction to increase student achievement.
Lee	The Foundation for Lee County Public Schools	EmPOWERing STEM Educators	Not all elementary school teachers are proficient in STEM-specific areas. This project will enable elementary school Teacher Observers to strengthen their skills in both content and instruction by Curriculum Science Team-identified teachers in the following bodies of science: Physical Science, Earth & Space, and Life Science. At these workshops, Teacher Leaders will meet with each Teacher Observer to narrow down a focus area of struggle/need which will become the area in which they observe model instruction.
Martin	Education Foundation of Martin County	Peers in Public Practice: Bringing Science to Life	This project complements previous year's work by focusing on areas of greatest need in science instruction for 5th grade, 8th grade, and high school Biology, as well as Elementary STEM labs. Focusing on science instruction, educators will observe for specific "look fors" within the teacher leaders' classrooms. These "look fors" will be the focus of the observations, planning, and debrief sessions. This year, lessons and participating lead teachers at each level will be videotaped, and instructional lessons and student activities/experiments viewed by observing teachers during the District Professional Learning Community meetings held at least three times over the course of the school year.
Okeechobee	Education Foundation of Okeechobee County	STEM Together: Enhancing Kindergarten Through Peer Learning	Despite the district's recognition of collaborative learning as a potent tool for professional development, opportunities specifically focused on STEM have been limited. This project intends to fill this gap by providing a structured platform for peer-to-peer interaction, ultimately creating a sustainable model for ongoing professional development in STEM education. Our district has identified a crucial need for enhanced peer-to-peer learning opportunities, particularly within the context of STEM education. To prepare for this project, several strategies are in place: <ul style="list-style-type: none"> <li>• Training: North Elementary's Assistant Principal will provide teachers with intensive training on using the STEM kits, backed by her expertise as a former district STEM coach.</li> <li>• Support Systems: North Elementary has robust collaborative planning and peer-to-peer learning systems. Regular meetings for teachers to share experiences and solve problems collectively will be facilitated.</li> <li>• Curriculum Alignment: The Woz Ed Science Kits align with Florida Standards, complement the existing curriculum at North Elementary.</li> </ul>
Palm Beach	Education Foundation of Palm Beach County	FPL's Empowering STEM Educators in Palm Beach County	Building upon the valuable insights and lessons learned from last year's project, the 2023-2024 initiative has been thoughtfully crafted to further expand mentorship from Title 1 schools. Esteemed leaders in STEM education from various schools within the district will be actively involved, offering participating teachers a unique opportunity to learn not only from educators in A-rated schools but also from those who face similar challenges in their teaching environments. This collaborative and inclusive approach aims to create a robust learning experience that empowers teachers across all schools to thrive and succeed in their professional

Putnam	The Education Foundation of Putnam County	Fostering Collaboration and Innovation through Teacher-Peer Learning	Due to its rural location, Putnam County School District faces challenges in retaining teachers, resulting in the need to train new STEM teachers annually and limited training for returning teachers. The mission of this project is to promote a more robust peer collaboration program where K-12 STEM Teacher Leaders visit each other's classrooms to observe and learn from their peer's instructional strategies. Peer-to-peer learning will bring together teachers from different schools, creating greater opportunities for collaboration and networking. Following the observations, constructive feedback sessions will be conducted to facilitate reflective practice and growth from their peers. Through collaborative sharing of best practices, we aim to not only improve student achievement in math and science but foster a culture of excellence in STEM education as well.
Santa Rosa	Santa Rosa Education Foundation	Building Capacity: Sharing Best Practices in STEM Through Peer-to-Peer Observations	Our current STEAM Innovate! teacher-to-teacher observation model forms the foundation for this type of teacher professional development. Historically, the STEAM Innovate! Program has organized opportunities for teachers throughout the district to model and observe best practices in STEM. This project will complement existing plans for peer-to-peer STEM classroom observations throughout the district and allow for the expansion of the practice to pre-kindergarten through second grade RAISE schools piloting Osmo education in math. This program will complement and build upon these existing activities to create a cohesive and collaborative
St. Johns	Investing In Kids	EmPOWERING STEM Educators in St. Johns County	This project will increase teacher knowledge and broaden their STEM instructional practices to engage, motivate, and educate our students in the courses covered by the General Science Certification Exam: Biology, Physical Science Honors, Environmental Science, Earth Space, and middle school science courses. Lead teachers are program specialists for middle and high school Science for the district and have surveyed teachers in need of support and found that these teachers are typically teaching and fluent in one grade level or subject. The General Science Certification test, however, encompasses a broad range of science areas and the teachers struggle with knowledge of the areas that they are not teaching. Additionally, we have many "second career" teachers who are not science or math fluent and they have not taken science education courses before. This proposal builds upon our experience with a grant from last year to support teachers with their certification and STEM based skills. Our course and in-person sessions will enable teachers to integrate different areas of science into their current courses and support them with the certification exam.
Suwannee	Suwannee Education Foundation	Leaders 4 Today: Collaborative Learning Communities	This project is an expansion of last year's model that includes different teachers and different schools and focuses on Technology, rather than Mathematics and Science. Suwannee Pineview Elementary School is a STEM-themed school and has been migrating to a school-wide model of integrating curriculum, classroom and out-of-school activities together to promote learning through all subjects. There is a need to not only better coordinate efforts in and between elementary schools but also build better connections for students to transition to middle school. The foundation has been walking beside this school for the past year establishing innovative learning environments and hands-on activities for the students but what has been missing that this project addresses is professional development for teachers, in particular a collaborative learning model to allow collaboration between classrooms and schools.

Volusia	FUTURES Foundation for Volusia County Schools	Student Engagement with STEM	The goal of this project is to show how effective, integrated, lessons where teachers collaborate and provide engagement for students using STEM can be successful. This goal requires professional development of all types of teachers who will work together to create lessons and then observe each other doing the lessons. Additional teachers will also be invited to observe the lesson, and each teacher will have a counterpart to team up with to create the lesson. The sessions for lesson creation begin with professional development on why STEM is important and how it differs from other lessons in general.
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