

**2018-19 FPL EmPOWERing STEM Educators
Project Summaries**

| ORGANIZATION | PROJECT TITLE | NUMBER OF TEACHER OBSERVERS | P3 EXPERIENCE |
|---|--|-----------------------------|---|
| 1 Brevard Schools Foundation | Increasing Science Literacy - Science is a Verb | 30 | Brevard Schools Foundation led a Peers in Public Practice (P3) project in the past. One Brevard Elementary School piloted a P3 model with one Coordinating Teacher, four Lead Teachers, and eight Observing Teachers affecting one school site and approximately 300 students in 2016 - 2017. The previous project allowed for one observation and debrief per teacher. The current project complements this model in that it duplicates the format but expands it from elementary to K-12 and expands from one school site to district wide, with a STEM focus. The current project will affect 60 teachers and approximately 5000 students. This project also allows for multiple observation sessions and debrief sessions. |
| 2 Champions for Learning | Peer to Peer Mathematics Vertical Articulation | 20 | <p>Champions For Learning led a Peers in Public Practice project in the 2017-18 school year. The focus was on elementary school reading strategies and involved 40 teachers across six schools. The main take-away for us was how important it is for teachers to observe each other in real time in the classroom. This is one of the most effective professional development strategies and one that is often neglected. Many of our participants commented that they rarely have this kind of opportunity, even within their own schools.</p> <p>This new opportunity provided by FPL would allow Champions For Learning to expand this experience across Collier County Public Schools in the area of math. Working with the Elementary and Secondary Math Coordinators and Specialists, the project will support peer-to-peer learning for the vertical articulation of mathematics standards and content knowledge from elementary to middle to high school.</p> <p>Champions For Learning staff and CCPS district leaders and teachers will design several opportunities for teachers and math coaches to spend time in the classrooms of highly effective math teachers, addressing specific standards and benchmarks. During debrief sessions, the observing teachers and coaches will have time to share their observations, discuss connections noticed at the elementary, middle, and high school levels, and delve into how strategies and methods support understanding. These opportunities will prepare the teachers to "bridge" understanding of concepts that are taught throughout grade levels.</p> |
| 3 Education Foundation of Martin County | Peers in Education: Bringing STEM to Life | 30 | <p>We have not yet led a "Peers in Public Practice," however we plan to prepare district leaders and teachers for this project through an extension of our current learning walk implementation. Currently, we conduct learning walks on school campuses with leadership teams. Utilizing this current system, we observe classroom practice and the impact that certain strategies have on student achievement. Using the P3 model, we can make the shift to teacher participation in learning walks specific to math and science teaching strategies being implemented in the classroom. We have not yet led a Peers in Public Practice, however we plan to prepare district leaders and teachers for this project through our current learning walk implementation. Currently, we conduct learning walks on school campuses with leadership teams. Utilizing this current system, we observe classroom practice and the impact that certain strategies have on student achievement. Using the P3 model, we can make the shift to teacher participation in learning walks specific to math and science teaching strategies being implemented in the classroom.</p> <p>By focusing on STEM, our educators will observe for specific "look fors" within the teacher leaders classroom. These look fors are what the focus of the debrief and planning session will be. Taking our walks to the next level with the peer participation and debrief will complement and enhance our current system well.</p> |
| 4 Nassau Education Foundation | STEM Squared (Science Students, Technology Teachers, Engineering Excitement and Meaningful Math) | 15 | The Nassau Education Foundation (NEF) had a planning meeting with the Nassau County School District's (NCSD) Superintendent of Schools, Dr. Kathy Burns to develop the goals and implementation timeline. The approved grant application will be shared at the district middle school faculty meetings and through email communication. The Teacher of the Year Round Table project started by Dr. Burns in the 2017-18 provides a template for allowing teachers to observe and visit classrooms of high performing teachers to learn best instructional practices. The district currently has a robotics program at all middle schools, and they will be encouraged to bring a unit into the classroom as part of their shared planning, as well as to implement a unit on solar energy, augmented by the use of solar panels donated by Florida Power and Light in a past STEM grant process. |

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| 5 Education Foundation of Palm Beach County | EmPOWERing STEM Educators in Palm Beach! | 30 | <p>The Education Foundation of Palm Beach County has not let a Peers in Public Practice Project in the past. However, leadership staff at the foundation are working collaboratively with key district leadership to ensure that there are systems in place to effectively implement this multifaceted approach to a professional educational collaboration.</p> <p>The School District of Palm Beach County's K-12 STEM Department has conducted lesson studies in conjunction with the University of Florida where participating teachers observed the implementation of a lesson from their highly-effective peers and built conscious competence in standards-based instruction. This previous experience will serve as a foundation upon which we can improve and further develop a systems-based approach to peer-peer mentoring experiences and to which we hope to group our peers in public practice here in Palm Beach County.</p> |
| 6 Investing In Kids | Improving Instruction and Learning through STEM | 25 | <p>Peers in Public Practice was implemented during the 2017-2018 school year. This program focused on professional learning for teachers at the elementary school level. A lesson study model was implemented with Osceola Elementary serving as the host school where the lesson study observations took place. The current grant would expand the STEM focused lesson study model to at least 2 teachers (one math, one science) in each middle/K-8 school. .</p> |
| 7 Futures Foundation for Volusia County Schools | STEM Knowledge is POWER! EmPOWERING Teachers to Create STEM Change at their Schools | 14 | <p>FUTURES received P3 funding in 2017-18 and worked with Dr. Kati Dyer and her team in Volusia County Schools' Professional Development Department. The processes Dr. Dyer and her team developed last year may be easily integrated into this STEM focused P3 initiative and the Professional Development Department has committed to share its "best practices & lessons learned" from last year. This team shall be a resource to FPL's STEM focused P3 initiative coordinated by district STEM Specialist Amy Monahan.</p> |