



ITEN COLLABORATION WITH THE UNIVERSITY OF THE WEST INDIES

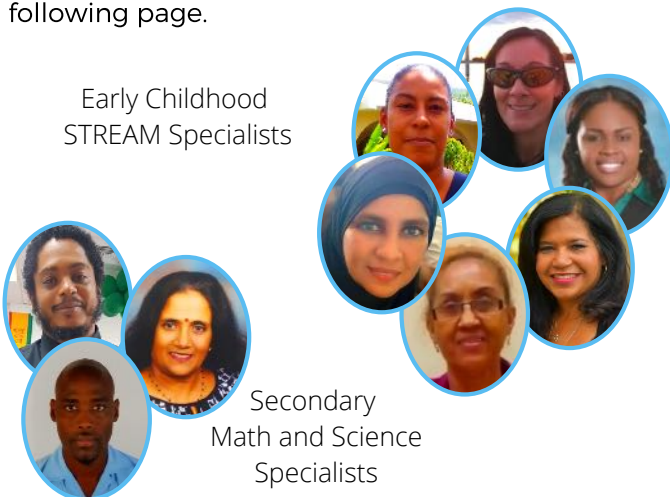
ITEN has collaborated with the University of the West Indies (UWI) Open Campus, based in **Barbados**, to integrate STREAM (science, technology, research, engineering, arts, and mathematics) into its **Early Childhood Development and Family Studies online certificate** program. Between **100 and 150** participants are expected for the 2020-2021 year.

UWI Open Campus is a prestigious institution that serves the region through its 16 sites across the Caribbean. The Early Childhood Development and Family Studies online certificate program provides aspiring and existing teachers with the tools and resources to provide high quality education to their students.

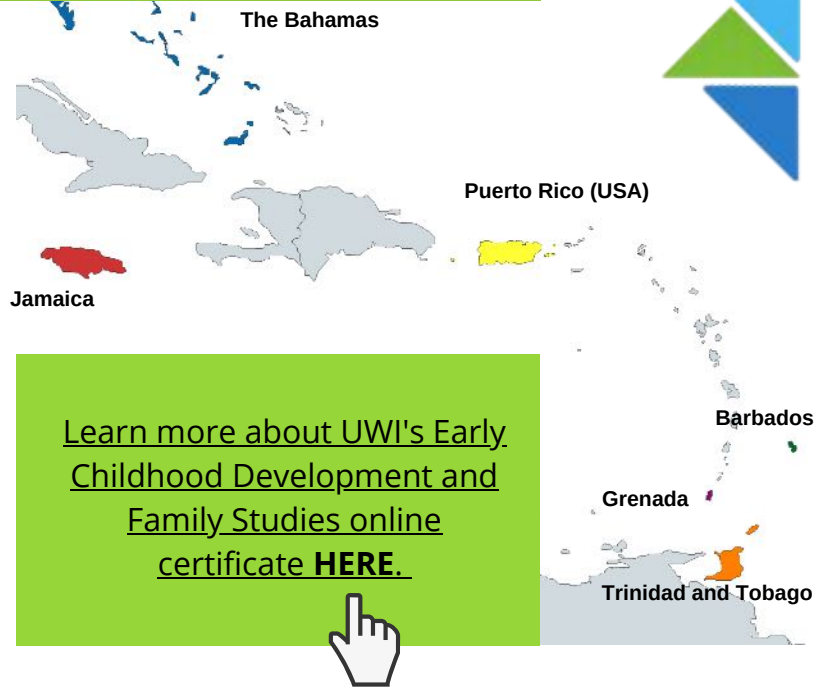
Initially facilitated by the pre-existing relationship between UWI and OAS Scholarships, ITEN has accepted the opportunity to work with UWI faculty to integrate STREAM into its programmatic offerings.

ITEN Teacher Fellows and supporters involved in this effort **originate from The Bahamas, Grenada, Jamaica, Trinidad and Tobago, and the United States** (Arizona and Puerto Rico). Read more about these individuals on the following page.

Early Childhood
STREAM Specialists



Secondary
Math and Science
Specialists



[Learn more about UWI's Early Childhood Development and Family Studies online certificate **HERE.**](#)

STREAM VIRTUAL COMMUNITY

*ITEN's Teacher Fellows and supporters have designed a STREAM Virtual Community (VC) to support participants' first semester in the program from September to December 2020. The VC was composed of 5 synchronous virtual sessions supported by advanced readings, hands-on activities, and interactive discussions. Goals of the VC included, among other aspects, (1) **building a professional learning community** and (2) **sensitizing program participants to STREAM.***

STREAM-Integrated Courses

*ITEN'S Teacher Fellows and supporters have also collaborated with UWI faculty to integrate STREAM explicitly into ECFS 1006: Curriculum Development & Assessment and EFCS 1007: Practicum One, which will take place from January - May 2021. Goals of the STREAM integration include, among other aspects, (1) **conceptualizing curriculum and instruction as anchored in STREAM,** and (2) **designing and implementing STREAM learning sequences with students.***



ITEN-UWI STREAM Virtual Community

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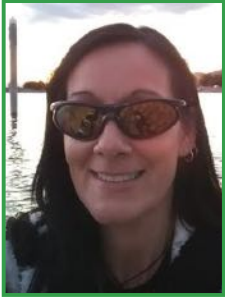
Participants from across the Caribbean and the U.S.

30

Teachers received certification for 30 hours of professional development commitment and the completion of readings and activities..



ITEN-UWI STREAM Virtual Community Leaders and Course Contributors



Amanda McPherson has a Master's degree in Early Childhood Education and is a certified Prek-8 grade teacher. She taught Pre-K for 23 years in Marana Unified School District in Arizona, USA, and at other private preschools. She has been an Early Childhood adjunct faculty instructor for Pima Community College for the last 10 years. She has also been is a STEMAZing Teacher Leader for the last 4 years, facilitating STEM-related workshops for teachers.



Keiliah Adderley, a Bahamian who has been teaching for 10 years. She obtained her Early Childhood Auxiliary Certificate and Bachelor's of Education from the College of the Bahamas (renamed The University of the Bahamas), served as a presidential advisor for COBUS 2008-2009 (The College of the Bahamas 'Union of Students). Presently, Mrs. Adderley serves as a K3 teacher, Senior Assistant and instructor of Junior Achievement Ourselves' Program at the Naomi Blatch Preschool. She is also, a Teacher Fellow of The OAS (Organization of American States). Over the years, Mrs. Adderley has given her service to her church and community, mentoring teachers and young people, inspiring others, shared many opportunities to represent her country locally and abroad ie Washington, New York, Texas, Peru and making positive contributions to enhance the educational system of her country by working on numerous committees.



Frankirvin Pilgrim is a son of the spice isle, Grenada. One who is full of the flavors of Mathematics and Science with a passion for teaching and learning. He is a qualified science and mathematics teacher who has 15 years of experience at the secondary level. He is also a supporter of "STEM/STEAM" integration at all levels of education and in daily life



Shaffina Ahamad-Hamid is an early childhood care and education (ECCE) teacher and an ITEN Teacher Fellow from Trinidad. She has been fortunate and blessed to be in the classroom for over 18 years. She genuinely enjoys nurturing and educating young children. She believes that each child is unique, therefore they learn and develop at their own pace. She is committed to providing them with a sound foundation for a lifetime of learning. She values her role supporting other educators in their educational journey and looks forward to continue to have a positive impact on the education of young children and to new discoveries as an educator and ITEN Teacher Fellow.



Carmen Barnes, originally from Puerto Rico, is a STEMAZing Teacher Leader and Translator. She has more than 20 years of experience working with children from age 2-7 years old. She has a Bachelor Degree in Business Administration from the Catholic University of Puerto Rico and an Associate Degree from Pima College in Colorado Springs, Colorado in Early Childhood Education. Carmen has been designing and facilitating professional development for early childhood educators in both Spanish and English in Arizona, Mexico, Peru, and Honduras. She co-facilitates a STEMAZing Community of Practice for 20 Spanish-speaking and 20 English-speaking early childhood educators focused on engaging our youngest learners with rich, inquiry lessons.



Bhagya Malladi is a Master Teacher from a high school in Jamaica, the LASCO/MOE Teacher of the Year 2019-2020, and a member of the Jamaica Diaspora Education Task Force. Her area of specialization is Integrated Science which helps her to develop STEM enabled naturalistic classroom environment using cost-effective resources. She has been in the teaching profession for 25+ years. She adapts to changes in the teaching profession through professional development programmes and workshops. She is a strong advocate of STEM/STREAM practices which she embeds in the mentorship programmes for new beginning teachers and in-service teachers. She is a passionate STEM educator and now has incorporated it into Blended Learning which will be the “New Norm” come September 2020.



Rochelle Ferguson has been an Early Childhood practitioner in Jamaica for 21 years. She began her career at Vaz Preparatory School where she honed her skills as an educator, supervisor and mentor. She has branched out into the field of S.T.E.A.M in Early Childhood and was the Project Facilitator for the Dudley Grant Memorial Trust STEAM project funded by the GraceKennedy Foundation. She is currently the assistant program leader for BLOOM Early Childhood Centers of Excellence at the U.W.I Mona Open Campus. Rochelle holds a diploma in Early Childhood Education from Shortwood Teacher’s College, a degree in Philosophy/Literature and her Masters in Educational Administration from the University of the West Indies. Her goal is to actively participate in the actualization of BLOOM’s motto “Learning Through Play, Celebrating the Process”.



Janet Patricia Lewis Dixon is an Early Childhood Educator and an ITEN Fellow living in the beautiful island of Jamaica. Janet considers herself to be in an exceptional position as she facilitates learning for preschoolers as well as college students. She is a proud Miconian who embraces the notion of STEM/STEAM integration in the total Education System. She also believes that the integration of STEM/STEAM at the Pre-School level sets a great foundation of critical thinkers and problem solvers in the community and ultimately the country at large. She has a Masters of Education in Early Childhood Development Leadership (UWI, Mona). She currently serves as a member of the National Committee for the Selection and Appointment of Master Teachers (NCSAMT).



Mikhael Davis is a Jamaican science teacher, teacher educator, author of a variety of curriculum guides for teaching physics, an educational consultant, and an ITEN Teacher Fellow. He holds a Bachelor’s in secondary science education with a specialty in physics.

