



**PROPOSAL FOR PROFESSIONAL DEVELOPMENT CLASSES FOR YONKERS MSP
TEACHERS**

October 9, 2018

Alex Servello, Executive Director
Digital Learning and Innovations, Science PK-12
Yonkers Public Schools
One Larkin Plaza, Yonkers, NY 10701

The Center for STEM Education agrees to provide 50 sessions of professional development at \$25.00 each (Total: \$1,250) from our Fall 2018-Spring 2019 Professional Development Offerings List (attached). These sessions will be offered to the participants of the 2018-19 Yonkers Math Science Partnership.

The teachers will register for their choice of classes with the code **MSP** and Yonkers Public Schools will be billed accordingly.

Sincerely,

Amanda F. Gunning
Amanda Gunning

Co-director, Center for STEM Education

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<https://www.mercy.edu/stem-learning>

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FALL 2018 – SPRING 2019

STEM PROFESSIONAL DEVELOPMENT OFFERINGS

NYS CTLE-ELIGIBLE



USING OUTDOOR LEARNING ACTIVITIES FOR K-12 LESSONS

Thursday, September 27, 2018 | 4:30 - 6:30 p.m.

Location: Mercy College, Tarrytown Campus Training Room 1, 828 S. Broadway, Tarrytown, NY 10591

Instructor: Alexandra Danz, Teacher at Highlands Middle School, White Plains

Shifting the regard of outdoor learning in schools from a novelty to a staple in STEM education. Teachers will learn the benefits of outdoor learning and use a framework to transfer a pre-existing lesson or lesson idea to an outdoor lesson.

3D INSTRUCTIONAL PLANNING FOR SCIENCE TEACHING (3-8)

Thursday, October 25, 2018 | 4:30 - 6:30 p.m.

Location: Mercy College, Tarrytown Campus Training Room 1, 828 S. Broadway, Tarrytown, NY 10591

Instructor: Latanya Brandon, Education Research and Outreach Associate, Center for STEM Education

The new NYS Science Standards challenge educators to design instruction that will engage all students in powerful learning experiences. Join us as we investigate lessons and activities that integrate NGSS practices and cross-cutting concepts to facilitate students' understanding of science content.

CODING SEMINAR FOR TEACHERS (5-12)

Thursday, November 29, 2018 | 4:30 - 6:30 p.m.

Location: Mercy College, Tarrytown Campus Training Room 1, 828 S. Broadway, Tarrytown, NY 10591

Instructor: Dr. Scott Misner, Teacher at Isaac E. Young Middle School, New Rochelle

Get a primer for teaching the national Hour of Code initiative in December. Learn how to introduce and support coding in your classroom.

All courses \$25.00 per person. Register at mercy.edu/testprep

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WHAT'S ALL THE BUZZ ABOUT PHENOMENA? (K-12) (ONLINE SEMINAR)

Thursday, January 24, 2019 | 8:00 - 9:00 p.m.

Instructor: Karen Woodruff, Director, NASA Endeavor STEM Teaching Certificate Project

Explore phenomena all around you and how you can integrate interesting events into 3-Dimensional teaching, aligned with the new NYS standards. This one-hour session will simplify student-centered investigations of big science ideas and direct you to helpful resources for future planning.

FLORES: FAMILY LEARNING AND OUTREACH FOR RESEARCH AND EDUCATION IN STEM (K-5)

Thursday, February 28, 2019 | 4:30 - 6:30 p.m.

Location: Mercy College, Tarrytown Campus Training Room 1, 828 S. Broadway, Tarrytown NY 10591

Instructor: CSE Staff

FLORES is an innovative, research-supported model that teaches parents of young children how to use questioning to support STEM interest and engagement. This professional development session trains teachers on how to implement the FLORES parent/child science nights at their schools. Resources for implementation will be shared with participants.

CULTURALLY RELEVANT TEACHING (ALL GRADE LEVELS)

Thursday, March 28, 2019 | 4:30 - 6:30 p.m.

Location: Mercy College, Tarrytown Campus Training Room 1, 828 S. Broadway, Tarrytown NY 10591

Instructor: Dr. Felicia Moore Mensah, Associate Dean/Professor of Science Education, Teachers College

In today's diverse classrooms, how do we meet students where they are, respectfully? Join us to learn about implementing a culturally-relevant approach in your classroom to engage and support all students through authentic cultural connections. Share your ideas and questions in this interactive workshop experience for all educators.

TELLING TRUE SCIENCE STORIES (K-12)

Thursday, April 25, 2019 | 4:30 - 6:30 p.m.

Location: Mercy College, Tarrytown Campus Training Room 1, 828 S. Broadway, Tarrytown NY 10591

Instructor: Wendy Mages, Assoc. Professor, Childhood Education, Mercy College

Learn about the exciting art of storytelling for the classroom to help your students connect with science! Drawing on your own experiences, you will learn to craft and tell your own personal story about science and learn how to use science storytelling to build community and to motivate and inspire students.

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