

Abstract Submitted
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H2O: A Hampton University-Hampton School District Outreach Program PAUL GUEYE, WILLIAM YOUNG, Hampton University — For many years, Hampton University (HU, Hampton, VA) has been collaborating with local schools of the Hampton City School District (HCS) in various areas that foster science education. This partnership between an HBCU and a local school district has been extended to a new level through a novel K-12 initiative: *Hampton University-Hampton School District Outreach (H2O)* program. This effort will target 9 schools out of the 34 schools from HCS, involve a total of 25 graduate students (5/year), 25 junior and senior undergraduate students (5/year) and 102 teachers (3/school). Faculty and students from seven STEM fields at HU will contribute by reaching out to Departments offering MS and PhD degrees in these areas. In addition to providing teaching experience to students, H2O will infuse research within the classrooms and offer a teacher professional development program, G5-12 students will present some research conducted throughout the year at a dedicated conference at HU and at the National Society of Black Physicists annual meeting, and a dedicated 2-day workshop in the fall with K-12 educators will provide a platform to share some outcomes of H2O. This program has reached out to several societies (NSBP, NSHP, APS, AAPT and AAPM) as a vehicle for teacher professional training, along with including an international component with Canada, France and Senegal. A review of recent collaborations and outcomes from this partnership will be provided and the status of the H2O program will be presented.

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