

Introduction

This brochure describes the implementation of the Puerto Rico Master Science Teacher Program (PRMSTP). This five year program is designed to prepare and certify eight 7-12th grade science teachers, teaching in high-need school districts, as Master Science Teachers. These Fellows will serve as role models of exemplary teaching of sciences, experts in content knowledge, and leaders among their peers to promote improvements in students' academic achievement. (See program logic model)



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PROJECT EVALUATION

Evaluation Question	Data Collection Method
(1) What percent of teachers are participating in the courses and other activities required for certification and program completion?	Attendance records, other documentation of participation
(2) How can activities be changed/improved to better meet teacher needs as the project moves forward?	Post activity reaction forms
	Teacher focus groups
(3) To what extent has teachers' content and pedagogical knowledge improved?	Pre/post knowledge assessment
	Assessment of teachers' final project (applied work or basic research skills)
(4) To what extent are teachers transferring the knowledge gained from program participation to their classrooms?	K-12 teachers' educational practices survey
	Classroom observation (RTOP)
	Teacher focus groups
	Student survey
(5) To what extent are teachers participating as leaders?	Leadership Survey (Social Network Analysis)
(6) How does the academic achievement of the students in schools of participating teachers compare with the students in (matched) schools of non-participating teachers?	Puerto Rican Test of Academic Achievement

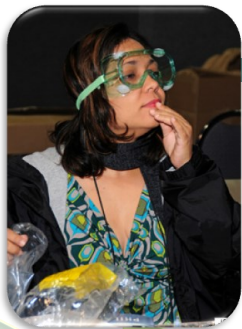


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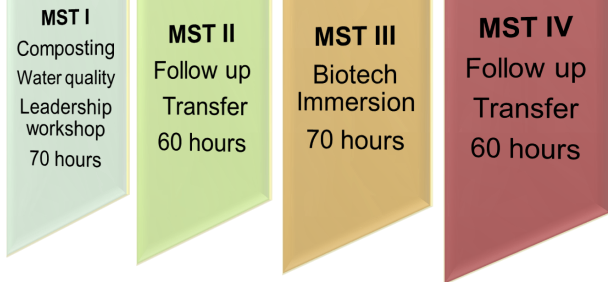
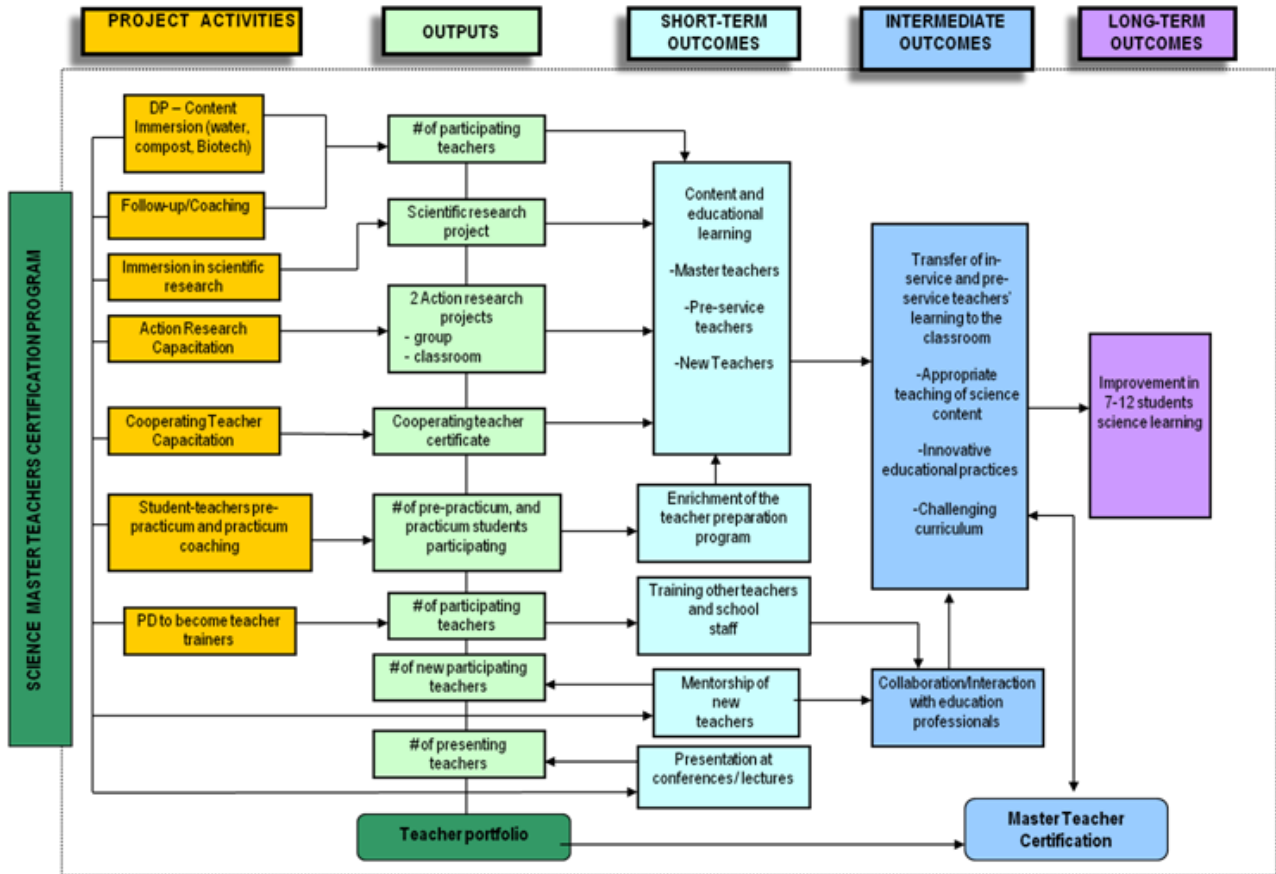
PUERTO RICO MASTER SCIENCE TEACHER PROGRAM (PRMSTP)



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PROJECT LOGIC MODEL



FIVE YEARS CURRICULUM

