

Project Abstract – New Haven Public Schools Magnet Schools Assistance Program

Major project goals (performance measure (PM) summaries) and objectives:

Objective 1. Minority group and socioeconomic isolation will be reduced at the proposed schools. **PM 1.4-1.6:** Minority group and socioeconomic isolation at each magnet school will be reduced by 2 and 4 percentage points per year respectively. Each magnet school will receive at least 150 applications.

Objectives 2. All students will receive instruction that includes their school's systemic reforms and magnet themes in units and courses aligned with CCSS, NGSS and State standards. **PM 2.1:** Each year, a third of all core academic subject units will meet district and school quality criteria as determined during peer reviews using a unit quality rubric.

Objective 3. All students, at each magnet school, will receive magnet theme instruction. **PM 3.1:** Students will receive 3, 6 and 10 hours of magnet theme instruction years 1, 2 and 3 respectively.

Objective 4. Student academic achievement will increase each year in ELA/literacy, math and science for all students. **PM 4.1-4.8.** Each year, the proportion of students at each school attaining level 3 or 4 on State tests in ELA and math will increase for all racial/ethnic subgroups of students; School Performance Indexes will increase for ELA, math and science for all students and high needs students. **PM 9:** Students will master the magnet curriculum.

Objective 5. Provide professional development related to improvement of curriculum, instruction and magnet theme development and implementation. **PM 5:** Each year, teachers will receive at least 50 hours of professional development related to improvement of curriculum and instruction and 50 hours related to the development and integration of the magnet theme.

Objective 6a, All students enrolled in the magnet schools will have equitable access to high quality education. **PM 6.1:** All classes will reflect the racial/ethnic and gender diversity of its grade. **Objective 6b.** There will be an increase in parent participation at each magnet school. **PM 6.2** Each year, more parents will be involved in school activities.

John S. Martinez Sea and Sky STEM School (K-8, 488 students): Students will explore the hydrosphere, atmosphere and space through STEM learning experiences using project-based learning, the engineering design cycle, the NGSS and a thematic, interdisciplinary approach.

West Rock STREAM Academy (Prek-4, 283 students): Students will explore the connections between the arts and sciences through interdisciplinary, thematic units that include hands-on STEM projects that focus on the natural world. **Bishop Woods Architecture and Design**

Magnet School (K-8, 455 students): Students will explore built environments--their school, their communities, and the City of New Haven--and the natural world, as they learn STEM through interdisciplinary magnet theme units and hands-on projects. **Roberto Clemente**

Leadership Academy for Global Awareness (K-8, 481 students): Students will be prepared to become responsible local and global citizens and leaders through an interdisciplinary, project-based approach to the social sciences emphasizing global awareness, cultural diversity and social justice themes.