

## ***Convergence: When Art and STEM Meet –The Rhodes School MSAP STEAM Project***

### ABSTRACT

**Project Title:** *Convergence: When Art and STEM Meet*

**Description:** *CONVERGENCE: When Art and STEM Meet*, is a research based, **whole school STEAM model** intended to reduce racial isolation and improve student achievement.

**Special Curricular Programs** – Science, Technology, Engineering, Arts, Math (STEAM).

### **GOALS AND OBJECTIVES**

**Goal 1: Increase Racial and Socio-economic Diversity** (MSAP PM A; CPP 2, 3, 4)

**Objective 1.1:** Increase enrollment of non-black students 5% year 2 and 3% years 3-5. **Objective**

**1.2:** Increase enrollment of non-Free or Reduced Lunch students 3% years 2-5. **Goal 2: Improve student achievement** (MSAP PM B, C, E, F). **Objective:** Increase the percentage of students meeting expectations in math, reading and science by 5% per year (as measured by the previous year) beginning in year 2. **Goal 3: Increase students' exposure to STEAM Learning** (MSAP

PM B, C, D, E, F; CPP 1, 2). **Objectives:** Provide off-campus STEAM experiences for all students and STEM specific experiences for girls. **Goal 4: Expand School Choice Options** (MSAP PM A, D; CPP 1, 2, 3, 4). **Objective 4.1:** Provide at least 5 STEAM learning options at each magnet campus.

**Goal 5: Increase the Proportion of Diverse, Effective Teachers** (MSAP PM B, C, E, F; CPP 6). **Objective 5.1:** Increase the number of teachers rated effective/highly effective by 50%

**Objective 5.2:** Provide opportunities for teachers to receive high quality professional development.

**Objective 5.3:** Increase teacher retention by 70%.

<b><u>Participating Schools</u></b>	<b><u>YEAR 1 # Served</u></b>	<b><u>YEAR 2 #Served</u></b>	<b><u>YEAR 3 #Served</u></b>	<b><u>YEAR 4 #Served</u></b>	<b><u>YEAR 5 #Served</u></b>
RSPA Humble (Revised)	375	393	406	418	431
RSPA North Shore (Revised)	285	312	322	336	346
<b>TOTAL</b>	<b>660</b>	<b>705</b>	<b>728</b>	<b>754</b>	<b>777</b>