



# Newark STEAM Coalition

*Success in school, in careers, and in life demands a new type of thinker, learner, and doer*

STEAM Learners are divergent thinkers. They are versatile and inspired. They are creative, imaginative, and see possibility where others do not. They learn by doing, and understand the important role they play as part of the community. They take responsibility and recognize the impact of their individual contribution on the success of the whole. They understand structure, frameworks, connections, pathways, and relationships. They embrace goals, are mission-oriented and solution-driven. They welcome challenges, are excited by the unknown, and love to compete. They are the innovators, the visionaries, and the leaders of tomorrow—they are our future.

## Newark STEAM Coalition

The Newark STEAM Coalition (Coalition) is a cross-sector collaborative established to cultivate STEAM opportunities for Newark students through the collaboration and alignment of the public (government) and private sector (businesses), the school district, institutions of higher learning, science and cultural institutions, workforce development, and youth-service providers. By capitalizing on Newark's rich resources in the arts, culture, education and research, the Coalition prepares Newark's young people for success beyond the 21<sup>st</sup> Century by building competencies across Science, Technology, Engineering, the Arts, and Math.

## Mission

The Newark STEAM Coalition's mission is to inspire "STEAM learners" by developing a resource-rich, cross-sector ecosystem that provides multiple pathways for Newark's PreK-16 students to build competencies across Science, Technology, Engineering, the Arts, and Math and prepare them for success beyond the 21<sup>st</sup> Century.

## Vision

Our vision is to be globally recognized as a STEAM hub of *creativity, innovation, achievement, and inclusiveness*—offering multiple educational and career pathways to prepare all types of learners for post-secondary education and careers producing "STEAM Learners, Thinkers & Doers"—attracting and inventing new business, innovating, and enabling opportunity and prosperity for all in our community.

## Core Values

- **We fundamentally believe that success in school, in careers, and in life—both now and in the future—demands a new type of thinker, learner, and doer**
- **We Acknowledge Science, Technology, Engineering, the Arts and Math are Symbiotic**—These disciplines are intrinsically connected, and together create a different kind of thinker, learner, and doer
- **We Believe the Arts are critical to STEM**—The artistic processes of creativity, design, innovation, and inquiry-based learning are fundamental to achieving a deeper understanding of Science, Technology, Engineering and Math and preparing students for the workforce through a STEAM Continuum
- **We are Inclusive and Aspirational**—Partners will affiliate with the Coalition based on expertise and relationship to STEAM, understanding that each discipline plays an essential role in developing a "STEAM Learner"; by working together, Coalition partners will break down barriers across disciplines and provide a robust STEAM pipeline with multiple access points for all students
- **We Are Lifelong Learners, Passionate Teachers, Active Doers and Responsible Citizens of the World**

STEAM is an educational approach to learning that uses Science, Technology, Engineering, the Arts and Mathematics as access points for guiding student inquiry, dialogue, and critical thinking. The end results are students who take thoughtful risks, engage in experiential learning, persist in problem solving, embrace collaboration, and work through the creative process.<sup>1</sup>

-Susan Riley, Founder  
Education Closet