



In St. Louis!



Mission – Kids in Green STL Machine Classrooms

- Engage in **STEM/STEAM** practices through Tower Garden technology
- Promote lifelong nutrition and independence through growing, preparing, and eating healthy food.
- Develop skills in urban agriculture, entrepreneurship, and community engagement

Why It Matters

St. Louis faces food insecurity, childhood obesity, diabetes, and heart disease. Since 2015, **Green St. Louis Machine (GSM)** has partnered with schools and community agencies to change this reality. Inspired by Stephen Ritz's **Green Bronx Machine**, St. Louis was chosen as the first city to expand this model into local schools. Today, GSM supports **PreK-12 programming** at schools and community organizations, using **aeroponic Tower Gardens** to connect urban farming to education. In 2018, the **UMSL College of Education** joined GSM as a partner, strengthening STEM/STEAM curriculum while promoting healthy eating. Each year, students showcase their learning at the Green Gala—a celebration where they display projects and share the food they've grown.

Our Growing Network of Partners

Youth & Education

Mathews-Dickey Club of Boys & Girls Clubs of Greater St. Louis
St. Louis Science Center (YES Program & GROW Exhibit)
Gene Slay's Girls & Boys Club of St. Louis
Missouri Botanical Garden – School Programs
St. Louis Public Schools (Pamoja, Carr Lane, Woerner)
North Side Community Schools (Elementary & Middle)
Kairos Academies Grand Center Arts Academy
The Biome STEAM School
Marian Middle School
Ferguson Middle School
STEAM Academy at McCluer South-Berkeley

Community & Agriculture

Heru Urban Farming • UjimaSTL • George Washington Carver • Farm A Red Circle • Love In Action
• City Greens Market
• Show Me Green Schools • Hamilton Hospitality



Tower Farm – Our New Learning Center

In Summer 2024, GSM acquired a Tower Farm and launched an **Urban Agricultural Learning Center**, engaging teachers, parents, students, and neighbors in cutting-edge urban farming technology, sustainability, and social justice.

Connect With Us

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