



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 Community 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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