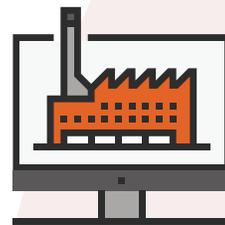


FAB LAB MIAMI

IMPACT REPORT 2024-2025



277

STUDENTS SERVED
IN LIBERTY CITY

100+

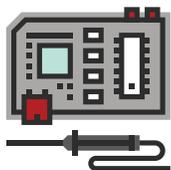
STUDENTS SERVED DURING
THE SUMMER IN LIBERTY CITY

85%

INCREASE IN STUDENT'S
CONFIDENCE IN USING
MAKERSPACE TOOLS

FAB LAB MIAMI **LIBERTY CITY**

- **277 students served** October 2024 through August 2025 with 100 students served during summer 2025. Total participation included **44% female and 56% male** participation.
- **Served 13 cohorts from 8 organizations:** Primer (3rd–5th Grade & Middle); David Lawrence K–8 Center; Belafonte TACOLCY Center; Edison Park K–8 Center / Miami PAL; Thomas Jefferson Middle; Barry University STEM Event; Hialeah Gardens High School; Miami-Dade College's Curious Minds' STEM Academy.
- Fab Lab Miami's curriculum offered a broad spectrum of design and **STEAM topics tailored to student interests**, such as Digital Fabrication, Coding, Architecture and Poetry, AI integration, Robotics, and Environmental Sustainability.
- **Fab Lab Director, Angel Johnson, visited Richmond, CA's fab lab** as part of the Chevron Fab Foundation Fellowship—a knowledge exchange and lesson design collaboration focused on adapting STEM to K-12 learners.
- **Hosted 11 Summer Youth Internship Program (SYIP) participants.**
- **SYIP students participated in a visit to the Florida State University campus**, where they met STEM professors, interacted with current STEM-focused students, visited the FSU makerspace, and explored the various STEM majors available at the university.
- **SYIP students worked on website development** and incorporating AI into web platforms.
- SYIP students also took part in Cornelius Tulloch's Porch Passages Creole Collage workshop series, **an innovative youth arts program celebrating Miami's porch architecture as a living archive of Black and Caribbean diasporic design**, inviting youth to explore their neighborhoods and their history, which was then translated into collages made up of personal items.



FAB LAB MIAMI **SOUTH DADE**

- **161 students served** October 2024 through June 2025 with **48% female and 52% male** participation.
- **Served 15 cohorts from 6 organizations:** Touching Miami with Love, Gang Alternative, Branches, Genesis Hopeful Haven, MAST Academy, and Minds of Tomorrow.
- Students engaged in **project-based STEAM curricula focused on environmental awareness, design thinking, and digital literacy**, including lessons on Environmental Science, Technology/Coding, and Agro-Technology. Activities involved Hydroponics and digital sensors, fabricating recycled coffee leather, video game design, SpheroBall robotics, drone navigation, 3D-printed lamps, laser-cut puzzles, and mold-making.
- **South Dade Fab Lab staff and students participated in 8 community events**, expanding outreach, demonstrating youth innovation, and connecting with families and local stakeholders.
- **8 Interns/Volunteers from Miami Dade College's iCED program and SYIP** who contributed to instruction, technical support, and mentorship across cohorts

161

STUDENTS SERVED
IN SOUTH DADE

15

COHORTS FROM SIX
COMMUNITY PARTNERS

61%

INCREASE IN STUDENTS
SERVED IN SOUTH DADE

