

School District of the City of Saginaw



Request for Bids

STEM Equipment Bid

The School District of the City of Saginaw is requesting sealed bids for **STEM Laboratory Equipment** for use at **Saginaw Middle School** and **Thompson Middle School**. All bids must meet or exceed the specifications outlined below.

This equipment will be used to expand STEM (Science, Technology, Engineering, and Mathematics) instructional programs and provide students with hands-on, standards-aligned learning opportunities in design, fabrication, electronics, and coding.

Contact Information

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Bid Submission Details

All bids must be **sealed and clearly labeled**:

RE: STEM Equipment Bid – Saginaw Middle School & Thompson Middle School

Deliver to:

School District of the City of Saginaw
550 Millard Street
Saginaw, MI 48607

Bids Due: Thursday, November 20, 2025, by 3:00 PM (EST)

A public bid opening will take place immediately following the deadline.

Late bids will not be accepted.

Electronic bids will be accepted if accompanied by the required **Iran Business Relationship Disclosure** and **Familial Relationship Disclosure** forms with legible notarization.

The School District reserves the right to reject any or all bids, to waive irregularities, or to accept the bid deemed in the best interest of the district.

Minimum Specifications

Equipment must meet or exceed the following performance and instructional criteria. Brand names listed in the reference materials are for specification purposes only; equivalent equipment meeting or exceeding these specifications will be accepted.

1. Additive Manufacturing / 3D Printing

- Dual-unit 3D printer classroom system (two printers per bundle).
- Capable of producing detailed educational models using **Fused Deposition Modeling (FDM)** technology.
- Must include:
 - Dual printer classroom setup.
 - Filament spools (various PLA colors).
 - Educator and student online certification programs.
 - Cloud-based print management software accessible via Wi-Fi and LAN.
 - Safety features suitable for classroom use.
 - 1-year warranty minimum.

2. Laser Etching / Marking / Engraving System

- Desktop laser system with **camera-assisted material alignment** and integrated safety interlocks.
- Minimum material processing area: **24" x 12"**.
- Compatible with a **CO₂ laser source (up to 60W)**.
- Includes:
 - Flow-through cutting table and gas assist attachments.
 - Fume extraction system with HEPA/carbon filtration.
 - Rotary fixture for cylindrical or irregular objects.
 - Safety compliance with ISO/CE standards.
 - 1-year warranty minimum on system; 2 years on laser source.
 - Integrated design/control software with materials database.

3. Foundational Electrical Circuits Trainer

- Portable electrical circuit training system for classroom instruction in industrial and STEM applications.
- Includes:
 - Multiple modular panels demonstrating power supplies, switches, lamps, series/parallel circuits, and electrical sources.
 - Lockout/tagout safety procedures, multimeters, and adjustable power supply.
 - Hands-on lab activities aligned to CTE electrical standards.
 - 3-year online curriculum subscription and instructor guide.
 - Storage/carrying case for portability.
 - UL/CSA certified components.

4. Coding and Robotics Virtual Platform

- Web-based interactive robotics and coding platform supporting **block-based and Python programming**.
- Accessible on Chromebooks and compatible with district IT policies (FERPA/COPPA).
- Provides student and teacher dashboards, gamified missions, and progress tracking.
- Includes:
 - Licenses for 30 users for 3 years.
 - Teacher professional development (minimum 10 hours).
 - Curriculum aligned with CSTA, NGSS, and ISTE standards.

5. Installation and Training

- Onsite setup, calibration, and professional training for teachers and staff.
- Minimum of one full-day session per building.
- Technical and educational support included for one year.

Delivery and Support

- All equipment shall be new, delivered, and installed no later than **December 5, 2026**, unless otherwise agreed upon by the district.
- Vendors must provide documentation of product warranty, service support, and user training resources.

Bid Requirements

1. Sealed bid with itemized pricing by category.
2. Statement of compliance or exceptions for each specification listed.
3. Documentation of equivalent products if not identical.
4. Warranty details and support plan.
5. Completed and notarized disclosure forms (Iran and Familial).

Evaluation Criteria

Bids will be evaluated based on:

- Specification compliance and product quality.
- Total cost, including shipping and installation.
- Warranty and ongoing support services.
- Vendor experience with K–12 STEM installations.