

MobilemakerEd Cart

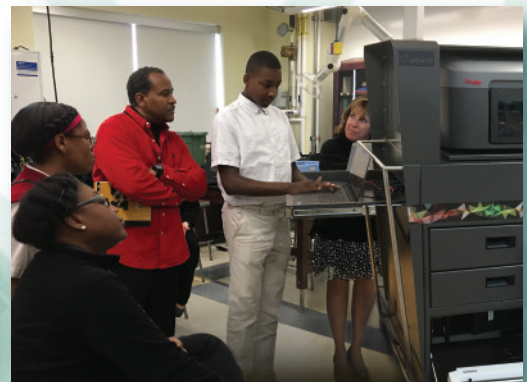
The Mobile Fabrication Lab for Education

Bringing the empowering maker learning experience to any classroom



Our focus;

- Project-based and student-centered learning
- Exposure to mentors and industry professionals
- Engineering and Manufacturing track programs
- Promoting entrepreneurship and citizenship
- Developing communities of innovation



The Alliance for Digital Fabrication Education is a 501c3 organization with a mission to create equal access to meaningful learning opportunities for under recognized youth and promote development of critical thinking and design entrepreneurship with the use of digital fabrication tools.

It's a powerful self-contained learning center, providing an entire makerspace in the footprint of a laptop cart.



3-D Printer	Stratsys, Mojo, Print wash system
Laser Cutter	Epilog, Mini 16, Air compressor
3-axis Milling Machine	Roland, SRM-20
Fume Extractor	BOFA, AD350
Vinyl Cutter	Roland, SV-12
Computer Hardware and Software	Dell XPS- 15 laptop, Wireless high-gain antenna, 3-D Design software, CAM
Tools	Common hand tools, Soldering station, Cordless power tool system with drill, saw and oscillating tool
Maker Electronics	Set of 12 Arduinio physical computing kits, 12 Grove sensor kits, Flora wearable electronics, Collection of standard electronic building components
Mobile Cart	Custom designed mobile workstation with drawers, table, equipment slides and locking compartments, Internal fume extraction, 2400w power conditioner, Retractable electric power tether, All steel construction, Powder-coated finish
Materials	2 filament cartridges, Assorted milling material, Assorted laser material types
Dimensions	28.25"W x 65"D x 60"H
Weight	350 lbs
Power Requirement	25 amps at full operation



For More Information:

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Where Industry and Education Converge

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USPTO Patent Pending 62,476,905