

Exhibition Price List

Construction and Carpentry

Build-A-Wall Challenge: Assemble wall framing with magnetic/Velcro studs, add insulation & siding panels.
\$600-\$1,200

Roof Truss Builder: Snap-together truss kits; test load distribution and strength.
\$800-\$1,500

Mini Masonry Station: Stack foam bricks with reusable "mortar" to learn bricklaying patterns.
\$500-\$1,000

Measure Twice Race: Measure/mark/cut foam rods accurately with tape measures and jigs.
\$300-\$700

Level It Up!: Use bubble/laser levels to set adjustable shelves perfectly level.
\$400-\$900

Earthquake Table: Build towers and test stability/engineering designs on a shake table.
\$800-\$1,500

Tool Match Game: Match real/replica tools to the correct trade task.
\$200-\$600

Blueprint Builder: Follow or design blueprints with LEGO/wood blocks; build to spec.
\$300-\$800

Electrical & Energy

Light It Right! Circuit Wall: Snap-circuit or wiring board stations to power lights, fans, buzzers.
\$500-\$1,200

Power Path Wiring Board: Route colored cords to create circuits between outlets/switches/lights.
\$700-\$1,500

Energy Transfer Station: Cranks, pulleys, gears demonstrate mechanical electrical energy.
\$600-\$1,300

Solar Power Lab: Angle small solar panels to power fans/lights; measure output.
\$500-\$1,200

Hand-Crank Generator Booth: Crank/pedal to power bulbs of different wattages; compare effort vs. output.
\$700-\$1,400

Electrical Wiring Kit: Teaches essential principles and techniques of electrical wiring.
\$1,099

Electrical Wiring Wall Unit: Works in conjunction with Electrical Wiring Kit.
\$505

Magnet Mover: Build/test electromagnets to lift washers and small metal pieces.
\$400-\$1,000



Plumbing, Water & HVAC

Pipe Puzzle Wall: Connect clear PVC pipes to route water/balls through valves and elbows.
\$700–\$1,500

Build-A-Drain Maze: Assemble pipe segments at correct slope to drain to a catch basin.
\$500–\$1,200

Water Heater Model: Transparent tank shows convection/heat rise and system flow.
\$500–\$1,200

Leak Detective: Find and seal “leaky” joints with gaskets and plumber’s tape.
\$300–\$800

Air Duct Challenge: Build duct runs; use fans to move balloons; measure airflow.
\$600–\$1,300

Welding, Metals & Fabrication

Weld Defects Classroom Kit: Identify and correct common weld defects.
\$1,539

Weld Bead Simulator: Trace welding beads with hot glue/wax to learn precision.
\$200–\$600

Pulley Lift Race: Compare effort between single and compound pulleys.
\$400–\$1,000

Magnetic Metal Puzzle: Simulate welding by joining metal plates with magnets.
\$300–\$800

Gears in Motion Table: Interlock gears to lift weights; explore ratios & torque.
\$400–\$1,000

GuideWeld VR Welding Simulator (Realityworks): Safe VR welding training with scoring/feedback.
\$9,899

Mechanics & Motion

Simple Engine Model: Cutaway/clear small engine model to demonstrate pistons/valves/timing.
\$800–\$1,500

Brake System Simulator: Transparent hydraulic brake model to see force transfer.
\$1,200–\$2,000

Hydraulics Demonstration Board: Cylinders/levers to lift or push objects; learn fluid power.
\$700–\$1,500

Gear Ratio Challenge: Change gear pairs to see torque vs. speed tradeoffs.
\$400–\$900

Transmission Trainer Display: Cutaway transmission; shift to see internal motion.
\$1,000–\$2,500

Build-A-Machine Station: Kits with motors, belts, and gears to design simple machines.
\$600–\$1,200



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Mechanics & Engines

Briggs & Stratton Educational Model Engine: Real small engine for repeated disassembly/reassembly.
\$250-\$350

Nasco Small Engine Classroom Kit: Teams remove cylinder head/valves/piston; rebuild with guides.
\$300-\$400

Realityworks Engine Dissection & Rebuild Lab: Guided take-apart and rebuild of small gas engine.
\$400-\$500

SainSmart/TECHING 4-Cylinder Metal Engine Kit: Assemble functioning metal model engine.
\$399

TOYAN FS-S100AC 4-Stroke RC Engine Kit: Build small working mechanical engine with transparent casing.
\$200

OWI V8 Combustion Engine Kit: Snap-together clear V8 model powered by batteries.
\$55-\$60

Trailer Circuits STEM Kit: Real-world trailer wiring simulation.
\$2,199

RC Tractor Pull Challenge (5-pack): Explore force, motion, friction, and gravity using remote-controlled tractors.
\$3,399

Smithsonian Motor Works 4-Cylinder: Plastic engine with moving pistons, lights, and sounds.
\$35-\$50

Simulator

Ergonomics & Lift Training Simulator (Realityworks): Interactive system for safe lifting and posture.
\$3,000-\$4,000

Electrical Troubleshooting Simulator (Realityworks): Diagnose electrical faults digitally.
\$2,500-\$3,000

Simbott VR Spray Painting Simulator: VR spray-gun training for technique and coverage.
\$2,500

SimSpray Go Portable VR Painter: Tabletop VR spray paint trainer.
\$5,000

Simbott Multi-Trades Simulator: Combines multiple trade simulations in one system.
\$10,000-\$18,000

Structure & Construction (Supplies)

Lumber framing (2*4s, 2*6s): Framing for walls/roof and hands-on lessons.
\$2,000-\$2,500

Metal roofing sheets: Durable roofing for 12*24 structure.
\$800-\$1,000

Exterior siding panels (Velcro mount): Interactive siding wall installation.
\$1,000-\$1,500

Flooring/tiling area supplies: Snap-in flooring/tiling for install/remove exhibit.
\$500-\$1,000

Electrical conduit & wall framing: Setup for routing and safety demonstrations.
\$400-\$700

Plumbing line wall setup: Display pipes and valves for exercises.
\$400-\$800



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Structure & Construction (Supplies)*CONTINUED

Paint & finish supplies:

Low-VOC paint and finishes for exhibit updates.

\$200–\$400

Digital Fabrication

3D Printer (Prusa i3 MK4 or Creality K1 Max): Classroom 3D printer for student prototyping.
\$1,000–\$1,500

3D printer enclosure / venting system: Safety and odor control for printing area.
\$250–\$400

CNC Router (X-Carve Pro 4*2 or Shapeoko 5 Pro): Educational CNC for wood/acrylic.
\$3,000–\$5,000

Resin Printer (Anycubic Photon Mono X2 or Elegoo Saturn 4K): High-detail resin prints for projects.
\$600–\$1,000

3D modeling software (Tinkercad / Fusion 360 Edu): Design tools for student models.
Free

CNC bits and tool sets: Variety of cutting heads and collets.
\$250–\$400

Filament supplies (PLA, ABS, PETG, etc.): 10–15 spools for student projects.
\$300–\$500

Glow Forge 3D Laser Printer: Laser cutting and engraving for fabrication projects.
\$6,500

Computer & control software: Dedicated CAM/control station.
\$1,000

Resin & alcohol wash station: Cleaning & curing setup for resin prints.
\$300–\$400

Basic tools (scrapers, pliers, nozzles, gloves): Maintenance and prep toolkit.
\$150–\$250

Dust collection system: Safe cleanup for fabrication area.
\$400–\$600

Safety shields & PPE: Glasses, ear protection, gloves.
\$150–\$300

Rotating small exhibits in Trades Areas

Development of small, rotating interactive exhibits across Trades Science zones to keep experiences fresh and engaging. \$200 (unlimited number).

RMV Construction is proud to support the 6 Regions, One Nebraska driven partnership with Edgerton Explorit Center and CCC Trades Science Program with Trades on the Move—an incredible effort giving students across Nebraska real, hands-on exposure to the skilled trades. By connecting education with experience, this program will spark curiosity, build confidence, and inspire future builders and innovators. We encourage others to join us in supporting this important investment in Nebraska's next generation.

— RMV Construction, LLC



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