

Skilled Trades Explorer Post: Overview

2023 - 2024 Schedule



10/17/23 6-8pm	11/21/23 6-8pm	1/16/24 6-8pm	1/31/24 6-8pm	2/20/24 6-8pm	3/10/24 9-4pm	4/18/23 6-8pm	5/21/24 6-8pm
ITEC/Isaac 105 Mclaughlin Rd Rochester, NY 14615	Rochester Const. Training Center 1439 Buffalo Rd. Rochester, NY 14624	Radec Electric 100 Rockwood St Rochester, NY 14610	TBD	TBD	Arc & Flame Center 125 FedEx Way Rochester, NY 14624	TBD	American Equip/ Villager 6112 Collett Rd W Farmington, NY 14425
HVAC	Drywall/Interior construction	Electrical	Masonry	TBD	Welding	TBD	Heavy Equipment/ Paving/Milling



Introduction (10-15 mins)

- Company/Post Leaders background
- Explanation of where the trade fits in the construction process
- Wages, benefits, advancement
- Positions available
- Examples of local projects

Hands-on Sessions (60 - 90 mins)

- Break into smaller groups
- Review safety procedures
- Rotate through 3-4 hands-on skills of the trade

Session Debriefing (10-15 mins)

- Follow-up questions
- Wrap up

Carpentry- Carpenters cut, fit, and join wood and other building material. There are three types of carpenters: form, framing, and finish. Form carpenters build the frames in which concrete is poured during the construction process

Drywall- Drywall installers place drywall sheets, steel frames, and pre-fabricated paneling in the construction process. Drywall installers have knowledge of mathematics, blueprint reading, regulations, and general construction.

Painting – Painters apply paint to surfaces of structures such as walls, ceilings, doors, and woodwork. Painting may be on either the interior or exterior building surfaces.

Plumbing- Plumbers design and install piping systems that distribute water and remove waste from buildings. These systems include those connected to washers, sinks, toilets, sprinkler systems, and heating and cooling systems. Plumbers are knowledgeable in water distribution, blueprint reading, local ordinances, regulations, mathematics, physics, welding, and soldering.

HVAC– HVAC (heating, ventilation, and air conditioning) technicians install, maintain, and repair heating ventilation and air conditioning systems. There are several different kinds of HVAC systems and HVAC technicians can specialize in each of these systems.

Heavy Equipment- Heavy equipment operators run heavy machinery such as dump trucks, bulldozers, backhoes, front-end loaders, millers, and excavators. They are a critical part of the construction process and help prepare sites for building.

Roofing – Roofers plan and install new roofs on buildings or repair damaged roofs. Different types of roofing materials are asphalt, metal, slate, and cedar shake.

Electrical– Electricians plan and install the electrical systems for structures. They install wiring and other electrical components such as breaker boxes, switches, and light fixtures.

Masonry– There are several types of masons. Concrete masons finish concrete. Bricklayers construct walls of brick, stone, or panels. Block masons specialize in building walls with concrete block. Masons have knowledge of mathematics and blueprint reading.