



VR Lineworker Experience

What is JA Trades?

- Junior Achievement of Greater St. Louis offers a program called JA Trades, designed to introduce middle and high school students to careers in the trades. This hands-on program emphasizes the value of STEM skills and provides real-world experiences across a variety of trade professions.
- Students rotate through different stations to gain practical insight into careers such as welders, electricians, carpenters, and more.
- Volunteers play a vital role in the success of this program. We appreciate your support and hope your experience is both rewarding and memorable.

Why teach Trades?

- High Demand: Skilled workers are needed more than ever as many retire.
- Career Path: Trades offer a solid, well-paying alternative to college.
- Hands-On Learning: Ideal for students who prefer practical, real-world skills.
- Strong Earnings: Many trade jobs offer great pay and benefits.
- Essential Roles: Trades are critical to keeping our communities running.

Volunteer Role

- Students will rotate through several trade stations to gain first-hand experience with different skilled careers. Your role is to lead a VR simulation that shows students what it is like to be a lineworker. You'll guide them through the virtual experience.



What is VR



Virtual Reality (VR) is a type of technology that makes you feel like you're inside a completely different world, even though you're still in your real one.

You wear special goggles or a headset that covers your eyes, and the headset has screens inside. These screens show 3D images or videos. When you move your head, the images move too, making you feel like you're really there.

Training

- High School Diploma or GED
- Technical Courses
- Lineworker training program
- Apprenticeship-classroom and hands-on preparation
- Safety and Risk Management
- Certification Certificates



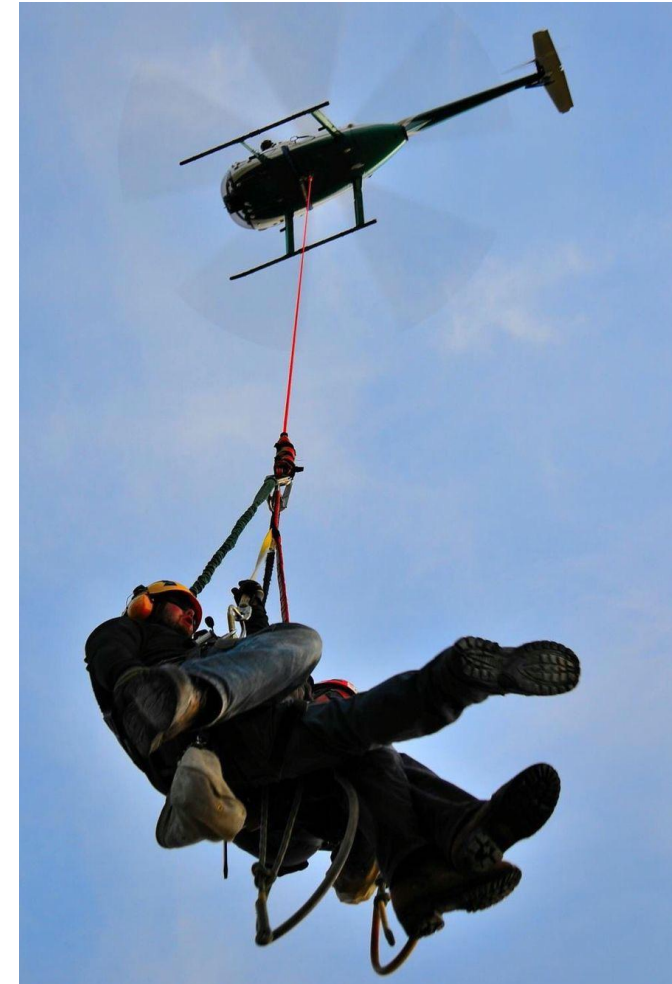
Industries that use Lineworkers

- Electricity & Power
- Telecommunications
- Construction and Infrastructure
- Government and Municipal Utilities
- Disaster Response and Emergency Services
- Renewable Energy - Wind & Solar Farms



Student Activity

- Students will view a lineworker maintaining and repairing high-voltage transmission lines, like those for transformers and power lines. These are very specialized roles, and they require additional training beyond general aircraft mechanics. Essentially, you're combining aviation skills with utility line work.



Viewing the Simulation

While viewing the virtual simulation, student will watch for six letters scattered throughout the video which will spell the word **SAFETY**. They will also look for different safety equipment (hard hat, harness, vest.....)



Simulation Activity Instructions

- You will receive a handout with detailed instructions upon your arrival to JA Trades. JA staff will check in to ensure you are comfortable with the task at hand and answer any questions you may have.

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VR LINeworker EXPERIENCE VOLUNTEER GUIDE

The VR Lineworker Experience introduces students to the work of Missouri power line technicians by placing them in a 360° view high above the lines. In this 10-minute activity, students look around the environment to spot six hidden letters and key safety equipment, working together to reveal a mystery word.

Before the session begins, **please review**:

- Virtual Reality Electrical Training
- VR Lineworker Experience Volunteer Guide

Device Preparation

Before students arrive:

- Follow attached instructions to set up backup iPad video option
- Keep all headsets plugged in and charging until the first group arrives
- Confirm each headset is set to the correct play boundaries
 - Reminder: when testing headsets, it is important to sit in the chair assigned to that headset
- Each headset and controller (controllers will not be used by students) are labeled with a number



THANK YOU!

**We look forward
to seeing you at
JA Trades!**

Enjoy the Day!



Member of
JA Worldwide