

EDMENTUM CAREER: TRADE PREP

Solar

Program Guide

Unlock a Path to a New Solar Career

Start your journey towards a new career with skilled trades high school content for Construction and Building Trades. Embark on an expertly curated program where you can build skills, earn a job-ready certificate, and have the option to pursue industry-recognized certifications to turn you into a highly competitive job candidate. By leveraging the power of immersive 3D simulations and high-impact video content, you will build the essential skills needed to enter the workforce.

The Solar Program prepares you for entry-level solar positions. After completing the program, you should be employable as a solar construction worker or installer who could be a valuable helper in the field.



79 Expert-led Training Hours



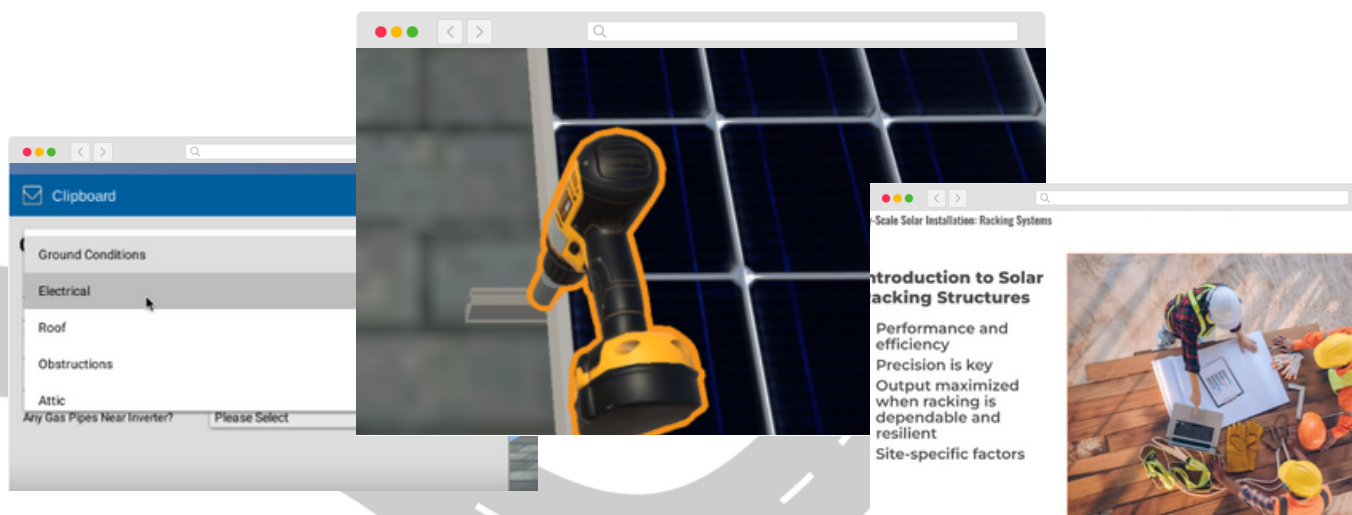
Solar Career Exploration



Interplay Job-Ready Certificate



Guidance for Industry Certification



Solar Program Guide

Skilled Trades High School Content for In-Demand Jobs

Edmentum Career: Trade Prep has what need to unlock your potential and start a new career. After completing the program, you will receive an Interplay Learning Job-Ready Certificate.

Electrical Basics

- Fundamental Electrical Concepts
- Electrical Panels: Components and Safety
- Electrical Tools
- Electrical Devices
- How to Use a Multimeter
- Math for Electricians
- Reading Schematics and Drawings
- Hand and Power Tools for Electrical Work

Circuit Basics

- Introduction to Electrical Circuits
- Building DC Circuits
- Building DC Combination Circuits
- Troubleshooting Basic Circuits

Electrical Installation

- EMT Conduit Bending
- Electrical Installation
- EMT Installation: Boxes and Conduit
- Three- and Four-Way Wiring and Installation
- Residential Generator Installation

Construction Basics

- Basic Construction for Trades
- Painting Basics
- Landscaping Basics
- Ladder and Fall Safety
- Practical Measurement for the Trades
- Material Handling: Dollies, Hand Trucks, and Pallet Jacks
- Roofing Safety

Solar Basics

- Solar Basics
- Foundations of PV
- Solar Cell Technology
- Solar Module Design
- Solar Inverter Technology
- The IV Curve
- Introduction to Utility Solar

Solar Installation

- Site Assessment
- Array Assembly Installation
- Solar Electrical Installation
- Utility Solar Installation: Foundations and Piles
- Utility Solar Installation: Racking Systems
- Utility Solar Installation: Panel Installation and Wire Management

Become a More Competitive Job Candidate

Learn more about a career in multifamily maintenance with additional, optional content.

CAREER EXPLORATION



Explore immersive experiences to help visualize the day-to-day duties, tools, and skills required for each career path.

INDUSTRY CERTIFICATION



OSHA 10-Hour Construction Industry Exam*

**Trade Prep provides guidance that connects students to relevant third-party exam information. Completing the exam is an additional purchase.*