CAREER TREE® DEVELOPMENT WORKSHEET

STEEL CENTER
FOR CAREER AND TECHNICAL EDUCATION

INSTRUCTOR: Mr. Campbell

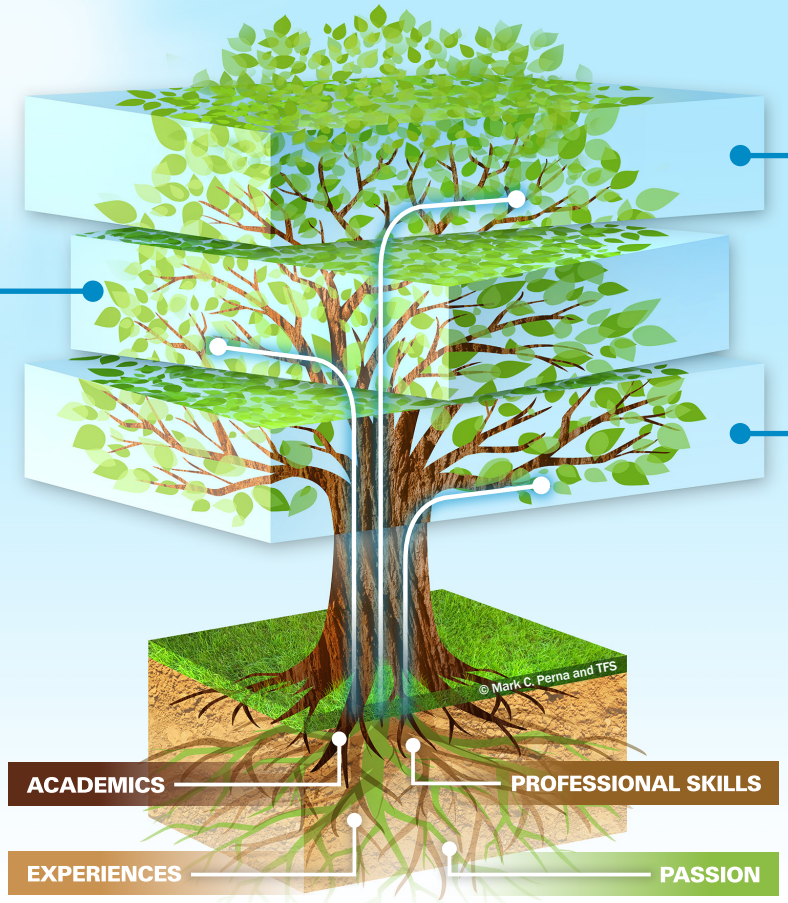
DATE: 2022-2023

PROGRAM NAME:

WELDING

List viable careers or occupations relevant for each of the three branch levels.

- **Entry-Level Careers**
  (with Program Completion)
- **Technical Careers**
  (for example: Advanced Certification, Apprenticeship, or Associate's Degree)
- **Professional Careers**
  (for example: Bachelor's Degree or Higher Education)



PROFESSIONAL CAREERS

- Materials Engineer 17-2131.00
- CTE. Teacher 25-2032.00
- Sales Representative 41-4011.00
- Robotics Engineer 17-3024.01
- Welding Engineer 17-2131.00
- Metallurgist 17-2131.00
- Research & Development 51-4122.00
- Electro-Mechanical Engineer 17-2141.00
- Museum Technician 25-4013.00
- Engineering Technician 17-3027.00
- Weld Material Testing Techncian 51-9061.00
- Nano-Tech. Engineering Tech. 17-3029.12

TECHNICAL CAREERS

- Metal Fabricator/Fitter 51-2041.00
- First-Line Welding Supervisor 51-1011.00
- Industrial Machinery Mechanic 41-9041.00
- Industrial Engineering Technician 14-3026.00
- Commercial Driver 53-3032.00
- Boiler Maker 47-2011.00
- Hydro-Electric Plant Technician 51-8099.04
- Mech. Engineering Technologist 17-3029.07
- Machinery Maintenance Worker 49-9071.00
- Millwright 49-9044.00
- Plumber 47-2152.00
- Pipefitter 47-22152.00

ENTRY-LEVEL CAREERS

- Welding Machine Operators 51-4122.00
- Structural Steel Workers 47-2221.00
- Sheet Metal Workers 47-2211.00
- Layout Workers 51-4192.00
- Construction Carpenters 47-2013.01
- Non-Destructive Testing Specialist 17-3029.01
- Reinforcing Iron/Rebar Workers 47-2171.00
- Rail Car Repairers 49-3043.00
- Aircraft Structural Assembler 51-2011.00
- Solderers & Brazers 51-4121.07
- Helpers: Production Worker 51-9198.00
- Helper: Repair/Maint. Worker 49-9098.00

NOTES:

Industry Certification: Certified Welder
S/P2- Welding
OSHA Certification

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