**Session 4--Presentation Thumbnails**

12/18/2018

**Construction Industry**

**WISE Pathways**

Women in Sustainable Employment

Building awareness of careers in construction, ene rgy, and manufacturing for women.

1

**What is Construction?**

The construction sector comprises establishments engaged in the construction of buildings or engineering projects (e.g. highways and utility systems) and includes new work, additions, alterations, or construction and repairs.

**·From the** U.S. **Census Bureau**

**Carpenter:** What do you do?

* Build or repair cabinets, doors, frameworks, floors, or other wooden fixtures used in buildings
* Remove damaged or defective parts or sections of structures and repair or replace
* Inspect ceiling or floor tile, wall coverings, siding, glass, or woodwork to detect broken or damaged structures

12/18/2018

**Electrician:** What do you do?

* Diagnose malfunctioning systems, apparatus, or components, using test equipment and hand tools
* Direct or train workers to install, maintain, or repair electrical wiring, equipmen,t or fixtures

I( **Carpenter:** What do you do?

1,..... • Study specifications in blueprints,

sketches, or building plans to prepare project layout and determine dimensions and materials required

* Shape or cut materials to specified measurements
* Install structures or fixtures, such as windows, frames, floorings, trim, or hardware

3

12/18/2018

*r*

**Boilermaker: What do you do?**

* Inspect and repair boiler fittings
* Study blueprints to determine locations, relationships, or dimensions of parts

\

•

•

•

•

**Construction Equipment Operator: What do you do?**

Adjust handwheels and depress pedals to control attachments

Start engines, move throttles, switches, or levers, or depress pedals to operate machines

Locate underground services

Load and move dirt, rocks, equipment, or other materials

*i*

I

I(

1

**Construction Equipment Operator: What do you do?**

* Drive and maneuver equipment equipped with blades in successive passes over working areas to remove topsoil, vegetation, or rocks or to distribute and level earth or terrain
* Coordinate machine actions with other activities, positioning or moving loads in response to hand or audio signalsfrom crew members

5

12/18/2018

**What is the NCRC?**

The ACT WorkKeys National Career Readiness Certificate (ACT WorkKeys NCRC®) is an assessment-based credential issued at four levels; Platinum, Gold, Silver, and Bronze. The NCRC measures and certifies the essential work skills needed for success In jobs across

'

industries and occupations. With an NCRC, you can:

* **Build confidence that your skills meet the needs or e mploy! [-**
* **Show prospective employers concrete proof of the skills yo1.1**

**\*** *t .* \\

\_ ,

1

•

•

•

•

**Apply real.world use to coursework from the classroom Q**

**Determine skill improvement and training needs**

**Improve the opportuniUes for career changes and advancement**

! .,,\_ - \

\_.;:J

**Earn colleae credit at manv Institutions and reach academic aoals more,auloklv**

**NCRC: Qualifying for the Credential**

* A multi-level credential
* Requires scores of Level3 or higher on three assessments:

*Applied Math, Workplace Documents, Graphic Uteracy*

* + **Bronze: Level 3 or higher on each assessment**
	+ Silver. Level 4 or higher
	+ Gold: Level 5 or higher
	+ Platinum: Level 6 or higher

7

**Attribution and Licensing**

**1isllllbmdla11im11 1pbmml!\* -11 11 stldilllllamd lrpnllm111111111,,. ... U50tpmt11m.111a,,.11 lmll!sao1111im.n11l'IIIDlllllqml,a,mli!i411 illmll\•.,**

**lllillm·--**

**immmblmanlillap,liltld-llDIJlffllillrmlll.m,nilel,llilu,mpq**

I