

Career Pathways Worksheet Key and Helpful Hints

Hints:

1. Refresh the entire page if you are having issues with the filters resetting.
2. The Search For An Occupation bar requires only part of the title to produce results. For example, if you are searching for “Operating Engineers and Other Construction Equipment Operators” you would only need to enter “operating” to get options to choose from.
3. If you have a career cluster icon selected and click the Reset Filters button, the icon will remain highlighted, but the filter itself will be reset to include all clusters. Click on that selected icon to un-highlight it.
4. The same goes for the Search For An Occupation bar. That search will be reset, but the last occupation you searched for will remain in the bar until you erase it or enter a new search.

Put the Tool to Work Section

Before students start using the tool, consider showing the Launch Your Own Future (LYFT) Career Pathways video. It is a great primer as to why the Career Pathways tool was created.

video link: <https://youtu.be/9rNb-aejpMk>

1. Let's explore Minnesota's top occupations first. What is the top occupation in demand in the state? Type it in below.
 - a. **Registered Nurses (Associate Degree, \$79,373 annual median wage)**
2. Now let's use the Where Do You Live filter. What is the top occupation in demand in your region? Type it in below. Include the typical education requirements and the median wage.
 - a. **Central: Retail Salespersons (High School or Less)**
 - b. **Northeast: Retail Salespersons (High School or Less)**
 - c. **Northwest: Registered Nurses (Associate Degree)**
 - d. **Seven County Mpls-St. Paul Metro: Registered Nurses (Associate Degree)**
 - e. **Southeast: Registered Nurses (Associate Degree)**
 - f. **Southwest: Home Health and Personal Care Aides (High School or Less)**
3. Try using the Search for an Occupation bar. What is the annual median wage for Operating Engineers and Other Construction Equipment Operators in Central Minnesota?
 - a. **\$64,954**
4. Use the Required Education filter to show only those occupations that require Vocational (job-specific) Training. Which occupation (including its median wage) has the highest demand ranking in the Seven County Mpls-St. Paul Metro?
 - a. **Licensed Practical and Licensed Vocational Nurses (\$51,540)**
5. What is the Career Cluster of the occupation you selected in question 4? You can find this by hovering over the occupation in the table.
 - a. **Health Sciences**

6. Next, let's try using the Select Career Cluster icons filter. Hover over the icons to find and click on Manufacturing. How many occupations require a High School Diploma or Less and are in the highest demand category (5) in Southwest Minnesota?
 - a. **Five**

7. Find Radiologic Technologists and Technicians by using the Search for an Occupation bar. Click on the occupation in the table, this should open the detailed occupation page in a new tab or window. Take a minute to explore the page. Find the Daily Work Activities section. List two of the activities.

Acceptable Activities:

- a. **Check quality of diagnostic images**
- b. **Prepare medical supplies or equipment for use.**
- c. **Position patients for treatment or examination.**
- d. **Adjust settings or positions of medical equipment.**
- e. **Operate diagnostic imaging equipment.**

Optional: Diving Deeper Section

1a. Not all careers require a 4-year college degree. Find two occupations in your region that have wages higher than the state median (\$45,000/yr) and do not require a 4-year degree (bachelor's or graduate). List them below.

- a. **Many possible answers to this question. Some examples: Registered Nurses, Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products, General and Operations Managers, Heavy and Tractor-Trailer Truck Drivers, Operating Engineers and Other Construction Equipment Operators, Electrical and Electronic Engineering Technologists and Technicians, Civil Engineering Technologists and Technicians, Loan Officers, Radiologic Technologists and Technicians, Diagnostics Medical Sonographers, Highway Maintenance Workers, and many more!**

1b. List the typical education requirements for the two occupations you listed in question 1a.

- a. **These answers should be limited to: No Typical Education, High School or Less, Associate Degree, or Vocational Training.**

Health Sciences

2a. Many Health Science occupations are in demand in Minnesota right now. Using the Where Do You Live? and Career Cluster filters, what is the most in-demand Health Science occupation in your area?

- a. **Minnesota: Registered Nurses**
- b. **Central: Home Health and Personal Care Aides**
- c. **Northeast: Registered Nurses**
- d. **Northwest: Registered Nurses**
- e. **Seven County Mpls-St. Paul Metro: Registered Nurses**
- f. **Southeast: Registered Nurses**
- g. **Southwest: Home Health and Personal Care Aides**

2b. Find the median wage of the occupation you entered in 2a. Is it greater or less than the statewide median wage of \$45,000?

- a. **Minnesota: Greater Than**
- b. **Central: Less Than**
- c. **Northeast: Greater Than**
- d. **Northwest: Greater Than**
- e. **Seven County Mpls-St. Paul Metro: Greater Than**
- f. **Southeast: Greater Than**
- g. **Southwest: Less Than**

2c. What is the typical educational requirement for the occupation you entered in 2a?

- a. **Minnesota: Associate Degrees**
- b. **Central: High School or Less**
- c. **Northeast: Associate Degree**
- d. **Northwest: Associate Degree**
- e. **Seven County Mpls-St. Paul Metro: Associate Degree**
- f. **Southeast: Associate Degree**
- g. **Southwest: High School or Less**

2d. Is the occupation you entered in 2a also the most in-demand job in the Health Sciences cluster statewide?

- a. **Minnesota: Yes**
- b. **Central: No**
- c. **Northeast: Yes**
- d. **Northwest: Yes**
- e. **Seven County Mpls-St. Paul Metro: Yes**
- f. **Southeast: Yes**
- g. **Southwest: No**

For more information, go to: <https://mn.gov/deed/data/lmi-reports/workforce-path-success/>

To contact your regional analyst, go to: <https://mn.gov/deed/business/help/lmi/#regional-analysts>