

CAREER EXPO

Mathematically Focused

LESSON DESCRIPTION

In this lesson you will explore different jobs that are of interest to you. You will use the Bureau of Labor Statistics (BLS) to gather your information and answer the questions. With each of the 16 occupation areas there will be sample math problems, with explanations for you to solve.

SRAVTE Office

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Career Fair Lesson

In this lesson, you will use the PowerPoint file provided, along with the website for the Bureau of Labor Statistics, to answer the questions provided. In all cases, this lesson is for you to explore something that **you are interested in**. The math examples that are included are for you to get a very small glimpse of the mathematical things that might be required of jobs that are in the category that you chose to explore. In almost all cases, the answers you give will be based upon your choice or opinion.

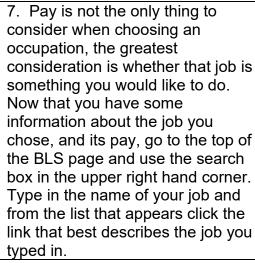
Look thru the entire Power Point and find two jobs that you think you might like to do when youare an adult?	1 st Choice:
	2 nd Choice:
 For the two jobs you named, look at the Top of the Page to see the Career Cluster that job is in. Now scroll back to page 2 of the Power Point look on the second slide of the PowerPoint provided and decide which of the 16 Career Clusters the jobs you named would fit into. 	Career Cluster Job 1: Career Cluster Job 2:
3. Again, on slide two look at the two columns of numbers. The first column is job openings (means those are jobs right now that no one is doing and someone with thecorrect skills could get a job doing that). The second column is the number of NEW jobs that will be created in that category. Do the jobs you named fall into a category of jobs that have a great deal of openings for people to be hired, or are your jobs in an area where there are fewer jobs to begained?	Job 1 Job Openings – New Jobs - Job 2 Job Openings – New Jobs -
4. Now use the PowerPoint slides and find the Career Cluster Category (these are listed at the top of the page) that your jobs fit into. If they are in two different categories, chose the category for your first choice in jobs. What are the fivejobs listed on that slide?	1. 2. 3.
	4.

5.

- 5. If one of those five jobs is a job you wrote in, then click on the link that is to the right of that job listing (CLICK HERE). If the job you wrote in **is not listed** go to www.bls.gov. Once at that link, in the upper right hand corner will be a search box. In that box type in the name of the career/job you were interested in. A list will appear with results for that job. Click on the top link in the list. Then from that page answer the questions to the right.
- 1. What is the 2019 median pay for that job?
- 2. What is the job outlook (will it increase faster, the same, or slower than other jobs will grow)?
- 3. What level of education is needed to perform the job/career you selected?

- 6. The answers you found in question five were related to the job you selected by its use across the whole nation. The question now is how does this job and its outlook appear in the state of Illinois? Scroll down the page for your occupation until you see a map of the United States, then move your mouse pointer over the state of Illinois. A box will appear with the data in it.
 - Keep scrolling down the page to complete the answers for this page.

- 1. What is the median pay for your profession in Illinois?
- 2. Is the pay in Illinois higher or lower than the national pay, why do you think it is higher pr lower? Is Illinois listed in one of the top paying states for this occupation?
- 3. How does Illinois compare to the country as whole, in terms of pay?



8. When the job appears, use this page to answer the questions to the right, The page you end up on should look like the picture below:



1. Write a brief description (in your own words) of what people in this occupation do.

- 2. What level of schooling do people in this occupation have to complete to be able to do the job?
- 3. Where do people who do the job you selected generally work (their environment)?
- 4. Do sit look like this occupation will grow or decline in the future?

- 9. Lastly, now go to the PowerPoint presentation and go to the
- 1. Answers to math problems from Program of Study Selected.

Program of Study area your job is in. Once there read the examples of how math is used in that program of study. Once you have read up on the math and looked at the examples, attempt to answer the sample math problems that were presented to you. Write your answers in the box to the right. Your teacher will have the correct answers to the problems you attempted.