

STEMs Career Exploration - ANSWER ON YOUR OWN PAPER

<http://www.bls.gov/careeroutlook/2007/spring/art04.pdf>

As you read the article, answer the following questions:

1. All technical/STEM occupations require the ability to think _____.

Science

2. (See Chart 1) In 2005, how many STEM jobs were *Natural Science* occupations? _____

3. What are two things *Natural Science Technicians* do?
_____, and _____

4. What are two careers in the field of "Life Scientists"? _____ & _____

5. In 2005, how many STEM occupations were in the "Technology occupations/
(Computer Specialists)" field? _____ (See Chart 1)

6. What do Physical Scientists do? _____

Technology

7. "Technology Careers" usually refers to information technology or are _____ -
related occupations.

8. Computer software engineers create new programs or _____.

Engineering

9. Engineers use science to _____.

10. _____ engineers design bridges and plan highways.

11. NASA would employ large numbers of _____ space engineers.

Mathematics

12. _____ work for insurance companies to help them determine the risk of
damaging events occurring in the future from hurricanes to car accidents.

Earnings

13. According to a 2005 survey, what is the average salary for "All STEM occupations"?
\$ _____

14. According to the same survey, what is the average salary for "All other occupations"?
\$ _____

15. This means those in the STEM career fields earned _____ more in
wages than other occupations.

16. What was the median salary for an *Engineers* in the 2005 survey? \$ _____

STEMs Career Exploration - ANSWER ON YOUR OWN PAPER

Learning STEM

17. All STEM workers need a firm grasp of _____: _____ knowledge is also important for many of the occupations.

High School Preparation

18. Students interested in a STEM career should take as many _____ and _____ classes as they can.

19. Even students who struggle in math and science through high school, with hard work and perseverance, can _____ in a STEM career!

<http://www.wku.edu/ogden/>

1. For whom is the SKyTeach Program?(search it) _____

2. Describe one NEWS item (tab at top)_____

3. Describe one of the EVENTS (tab at top)_____

4. Choose an "Department" and write its name: _____

5. List two Degrees or Degree programs offered in your chosen Department, by WKU

a. _____ b. _____

6. List the names of two Faculty/Staff members in your Department from WKU

a. _____ b. _____

<http://www.onetonline.org/find/career?c=15>

1. Beside the occupation name, what does the  (sun) symbol mean?

2. Beside the occupation name, what does the  (leaf) symbol mean?

3. Choose one of the STEMs careers and click on it. Describe the first "TASK" on the list. _____

4. List two "Tools" or pieces of "Technology" that might be used this the occupation.

a. _____ b. _____

5. What Education Level is required by most in this occupation? _____

*Click the "Local Salary Info" tab

6. What is the national, median annual wage for this occupation? \$ _____

7. What is the median annual wage for this occupation, in Kentucky? \$ _____

* Use your remaining time to explore your current career choice!

**STEMs Career Exploration -
ANSWER ON YOUR OWN PAPER**