

# SOARING ABOVE OKLAHOMA

## AEROSPACE & DEFENSE

### LESSON #3 - AEROSPACE SCAVENGER HUNT Ashley Howard, M. Ed.

The number of jobs available in the state of Oklahoma, that exist within the Aerospace & Defense Industry, is growing every day. Often, we think about the more obvious positions within this industry, pilots and aircraft mechanics, but the number and types of careers available might surprise you. Ask students to answer the following questions:

1. How many military personnel, federal civilian personnel and contractors were employed throughout all of Oklahoma's military installations in 2010? (Hint, visit: <http://bit.ly/2gOnRTB>)
2. Software engineers working in aerospace are responsible for designing, developing, testing and integrating flight software. What certifications and/or degrees are typically required to be a software engineer in the aerospace industry?
3. Welding/sheet metal technicians weld parts and components together to ensure the structural integrity of an aircraft. According to payscale.com, what is the average rate of pay per hour for an "Aerospace Welder"? At 40 hours per week, what would the average annual income be for this position?
4. What was the total payroll (in millions of dollars) for McAlester AAP in 2010? (Hint, visit: <http://bit.ly/2gOnRTB>)
5. An aircraft dispatcher is incredibly important when it comes to ensuring the safety of the pilot, the flight crew and all passengers. Do your research and identify three important aspects of an aircraft dispatcher's job. What credentials and/or degrees are typically required to be an aircraft dispatcher?
6. An acquisition specialist in the aerospace industry would field all aircraft evaluations, develop financial models and perform financial analyses to determine an aircraft's value and support the process of acquiring or purchasing the aircraft. A person in this position would need strong negotiating skills and would constantly need to research changes within the industry to ensure sound purchases. Do your research to determine, what would the average annual income be for this position?
7. What was Tinker Air Force Base's total contribution (in billions) to the state's economy in 2010? (Hint, visit: <http://bit.ly/2gOnRTB>)
8. Aircraft Cabin Agents make an average of \$11 per hour, or \$22,880 annually. Do your research. What are the typical duties of an aircraft cabin agent? What credentials and/or degrees are typically required to hold this position?

**SHARE YOUR ANSWERS.** Students that share their answers to the scavenger hunt with us, will be entered into a semester drawing to win a \$250 VISA Gift Card. The teacher of the winning student for the semester will receive a \$500 VISA Gift Card. To submit your answers, visit: <https://nie.newsok.com/aerospace2017/>