**Careers in Manufacturing & Engineering**

1. True or False:
   1. Factories jobs today are dirty dingy and dead end. **F**
   2. Career in manufacturing are high skilled, in high demand and pay a high wage. **T**
   3. Students who want to work in manufacturing are required to have higher level math and communication skills. **T**
   4. Employability skills are more important to employers than skills in reading and math. **T**
   5. The United States is no longer a world leader in manufacturing output. **F**
   6. Knowledge and skills are what get you hired by an employer; behaviors are what get you fired from an employer. **T**
   7. “If a student is not qualified to work in any other profession, at least there’s always factory work.” **F**
   8. On average, full time manufacturing work pays 20% less than full-time service-sector jobs. **F**
2. What skills do students need to be prepared for a career in manufacturing? (Check all that apply). **ANSWER: ALL but “i.” should be checked**
   1. Problem-solving
   2. Working on a team
   3. Leadership
   4. Above average communication skills
   5. Customer service
   6. Time management
   7. Understanding higher level math concepts
   8. Read at an advanced level
   9. None of the above, a high school diploma is all that is needed to work in manufacturing
3. What is the average entry level annual salary range for someone working in the areas of welding, machine fabrication, electro-mechanical engineering?
   1. $15,000-$20,000
   2. $21,000-$32,000
   3. **$33,000-$45,000**
   4. $46,000-$55,000
4. What is the average salary range for someone working in the areas of welding, machine fabrication, electro-mechanical engineering after 10 years?
   1. $21,000-$32,000
   2. $33,000-$45,000
   3. $46,000-$60,000
   4. $60,000-$75,000
   5. **More than $75,000**
5. How does modern manufacturing benefit the community? (Check all that apply). **ANSWER: ALL should be checked**
   1. Sustains a highly skilled work force
   2. Provides wages to support at least a middle-class lifestyle
   3. Creates economic growth in the community
   4. Attracts skilled workers to the area
   5. Keeps educators gainfully employed
   6. Maintains a strong housing market
6. In northeast Wisconsin, how many jobs are in a manufacturing career?
   1. 1 in 2 jobs are in manufacturing
   2. **1 in 4 jobs are in manufacturing**
   3. 1 in 10 jobs are in manufacturing
   4. 1 in 20 jobs are in manufacturing
   5. 1 in 30 jobs are in manufacturing
7. A recent survey conducted by the NEW Manufacturing Alliance, identified that 72% of our manufacturer’s believe they will have difficulty finding talent for their company in the near future. Employees old enough to retire now outnumber teen workers for the first time in 60 years. By the year 2020, 36% of the population will be older than 65. How many vacancies should be anticipated in manufacturing careers in eight years?
   1. **700,000**
   2. 300,000
   3. 70,000
   4. 30,000

**Only for Post-Survey**

1. If you were asked to give a two-minute “elevator speech” about careers in manufacturing what will be the key points you will address?