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| **Lesson Name:** | **Engineering Career Prep** |
| **Grade Level(s):** | 9-12 |
| **Goal/Objective(s):** | Participants will conduct research on 3 selected engineering careers and use the knowledge gained to prepare a letter of introduction and a resume as though they have the requirements and intend to apply for a job in that career.  Students will take part in a mock interview for one of the 3 engineering career in which they “applied” presenting themselves in a professional manner. |
| **Standard(s):** | **ET.O.IED.1.8** Determine career opportunities in a given engineering field, explain their job functions, and list the educational requirements for that profession.  **ET.O.IED.15.1** search online using a range of technology tools and media to access relevant information needed for problem solving.  **ET.O.IED.15.2** create information for oral, written, and multimedia communications, adhering to copyright laws.  **ET.O.IED.15.6** model legal and ethical behaviors in the use of technology.  **ET.O.IED.15.4** adapt to new situations by considering multiple perspectives and a commitment to continued learning.  **School Counseling – Students Success Standards**  **ALP.SS.2.1.1** use a variety of resources to explore career options in relation to personal abilities, skills, interests, values and the current job market.  **ALP.SS.2.1.2** evaluate roles, responsibilities and requirements for progressions of career levels from entry to advanced positions.  **ALP.SS.2.1.7** model expected workplace dispositions, skills and behaviors in school, community and occupational experiences to prepare for career success. |
| **Instructions:** | Day 1- Handout Engineering Careers Prep sheet. Go over expectations and grading. Answer any questions related to project. Using the projector have students follow along on their own computer the following steps performed by instructor:  • Have students go to the cfwv website: https://cfwv.com/  • Click on Career Planning then Explore Careers  • In the search bar type the field of engineering you have been asked to prep for.  Day 1 through 3 -Participants thoroughly research the three (3) given careers and gain enough understanding to answer job-specific questions, as well as complete a resume and cover letter for each career. Students enter this event with the scenario below in mind.  1. You have graduated from high school and have the appropriate level of education and training (four [4]-year college, technical school, certification and training, etc.) that is required for successful employment in the given career.  2. Your training, education, and other qualifications are realistic for successful employment in the given career and are reflected in your resume and cover letter.  (These are due at the start of class on Day 4)  Day 4 to 5- Students will be called into the “office” for an interview for one of the three positions in which they “applied”. They will not know which of the three careers they are interviewing for until the day of the interview. |
| **Materials:** | Computers/Chromebooks – 1 per student with internet access  Printer with paper  Engineering Career Prep Sheets  Peer Review Sheets |
| **CFWV Tools Used:** | Career Planning : Both the career exploration and Get a Job sections |
| **Assessment** | Rubric will be utilized for one of the careers (with interview) completed. To be selected at random. The remaining 2 sets of cover letters and resumes will be peer reviewed while students interview. |

Reference

<http://www.tsaweb.org/High-School-Competitions>