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| **Lesson Name:** | **The Highs and Lows of Meteorology** |
| **Grade Level(s):** | Earth and Space Science 9 |
| **Goal/Objective(s):** | Students will use ***Explore Careers*** to gain an understanding for the career of a meteorologist while participating in a technology activity that enable them to actively participate in the career and gain a better understanding of the elements involved when creating a weather forecast. Students will construct a resume using their experiences in the learning activity. |
| **Standard(s):** | **Science Standards:**  **S.9.ESS.14** analyze geoscience data and the results from the global climate models to make an evidence- based forecast of the current rate of global or regional climate change and associated future impacts to Earth systems.  **S.9-10.L.4** determine the meaning of symbols, key terms, and other domain- specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9-10 texts and topics.  **S.9-10.L.7** translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.  **S.9-10.L.15** use technology, including the Internet, to produce, publish and update individual or shared writing products, taking advantage of technology’s capacity to link to other information and to display information flexibly and dynamically.  **School Counseling – Student 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:** | * Have students access the Meteorologist career information in the *Career Planning* tab in the ***Explore Careers*** section of CFWV.com. Divide students into groups to read each section in this description for Meteorologist. * Initiate a *Think- Pair- Share* discussion by showing the class the 1 minute video for a description of the career for Meteorologist. After watching the video, have a member for each group share what they’ve learned from their section of the description. Alternatively, the results could be shared on a class thought board in front of the room. * Have students complete the Weather Map Activity using the attached Weather Map. * As an extension and more experience with content, work with students to complete the Mid- Latitude Sequencing Worksheet. Use the Internet or a textbook to locate drawings for each different stage of development. * Access the ***Resume Builder*** in the *Get A Job* section within *the Career Planning* tab. * Provide students with the Resume Grading Rubric and provide them with class time to complete a resume for this career using the experiences you’ve provided in your classroom and at your school to complete each section of the resume. |
| **Materials:** | * Projection Board, Bulletin Board, etc. * Attached Documents: Weather Map Activity, Weather Map, Mid- Latitude Sequencing Worksheet, and Resume Grading Rubric. |
| **CFWV Tools Used:** | ***Explore Careers***  ***Resume Builder*** |
| **Assessment** | Weather Map Activity and Resume Grading Rubric |