Integrated Secondary Agronomy & Climate Science Curriculum

REACCH
Regional Approaches
to Climate Change –
PACIFIC NORTHWEST AGRICULTURE

www.reacchpna.org

Unit 10: **Careers in Agriculture & Natural Resources**

Unit Summary: This unit focuses on the exploration of STEM careers. Awareness of career options in the STEM fields is one of the main focuses of the instructional materials. Students will write goals and create career profiles from members of their community.

Teaching Time: It is anticipated that this unit and its related activities will take a minimum of five 50-minute class periods to complete. Depending on the number of readings utilized, this could be longer. The amount of in-class time devoted to the interview process and goals are the largest variables and will vary by student grade level and required level of detail.

Audience: 9-12 Science & Agriculture Students

Unit's placement in the overall course: This unit could be placed anywhere in the curriculum. It does not depend upon any other units as its focus is STEM Careers.

Goals: The goal of this unit is for student to explore career option in their community related to STEM and Agriculture or Natural Resources.

Description of the unit: This unit contains one presentation and a related activity. Teacher notes are supplied with most slides to help guide class discussion. Students will learn about careers and will interview a member of the community about STEM careers in their region.

Using this unit: Within the PowerPoint for this unit are hidden slides. On these slides are embedded Microsoft Word Documents. These documents provide the additional resources needed to deliver this unit. A standards document is provided which includes the relevant Next Generation Science Standards, Common Core State Standards for Math and ELA, and Agriculture, Food, & Natural Resources Standards. The standards included may be only introduced through this curriculum, and the teacher will need to decide the level at which they want to augment the provided instruction in relation to these standards. Readings associated with the unit are in a separate zipped PDF file. This zipped document includes all the readings in one file so teachers can select those readings most appropriate for their classrooms.

Related Readings for Meeting CCSS in ELA: These readings are not overly technical, however teachers reported some difficulty using them with students on IEP's. To accommodate these students it is recommended teachers choose a portion of the readings and run it through an application like http://www.rewordify.com which can adjust the reading levels as needed.

Required Supplies:
- Computers (for typing up interview responses and information sheets)
- Recording Device (Most student phones will record audio)