

Jackson Mathis

SoL EEn.2.2 parts .1, and .2; EEn.2.7 parts .1, and .3; EEn.2.8 part .2

Activity Outline- "Banking on Trees: Income and Management"

- I. Introduction to the modern forestry industry: What is forestry? **-20 minutes total**
 - A. Different forestry careers **-10 minutes**
 - i. Perceptions on foresters
 - ii. Explain what forestry really is
 - (1) Focus on forest management
 - iii. Show interesting forestry careers
 - B. PINEMAP and what my role is today and in school **-5 minutes**
 - i. Student at NC State
 - (1) College of Natural Resources Student Ambassador
 - ii. Worked for the USDA FS
 - C. Talk about EFETAC **-5 minutes**
 - i. Talk about clear cut site and logistics: Why does it exist?
- II. Why trees are important: Carbon Cycle Intro **-15 minutes total**
 - A. Intro importance of carbon **-10 minutes**
 - i. Bring out several items that contain carbon and have students guess amounts of carbon in each
 - ii. Give generalization of carbon cycle
 - (1) Focus on carbon sequestration
 - B. Intro Eddy Flux Towers **-5 minutes**
 - i. Talk about what all it measures but focus on carbon flux
- III. Conclusion and Wrap-up activity **-20 minutes total**
 - A. Forest Management activity **-10 minutes**
 - i. Give worksheet to students
 - B. Connect all the dots **-5 minutes**
 - i. Bridge the gap between forestry income and management
 - ii. Explain how carbon affects everything
 - (1) Mention that too much CO₂ can throw things out of whack
 - C. Question and Answer session **-5 minutes**

Total: 55 minutes