

Madison Cook

SOLS: LS.5 BIO.2

Title: Photosynthesis: Is the Grass Always Greener on the Other Side?

Introduction

1. Introduction of who I am and PINEMAP
2. Explain what research I did over the summer

Photosynthesis

1. Describe what this process is and break down concepts:
 - a. How sunlight is used
 - b. Functions of the chlorophyll
 - c. How sugar is used for energy
 - d. The gases and the part they play in this process (CO₂ and O₂)
2. LAI/IPAR
 - a. Describe and define IPAR and LAI
 - b. Explain how it relates to Photosynthesis
 - c. Describe tools that are needed to collect them
 - d. Input of data collected over the past summers and explain (brief)
3. Eucalyptus Plant
 - a. Describe and define what Eucalyptus plants are
 - b. Introduce and explain why they are being studied in PINEMAP
 - c. Interaction with students: Possibly planting a Eucalyptus species or planting another species of plant to let students notice effects of photosynthesis
4. Conclusion