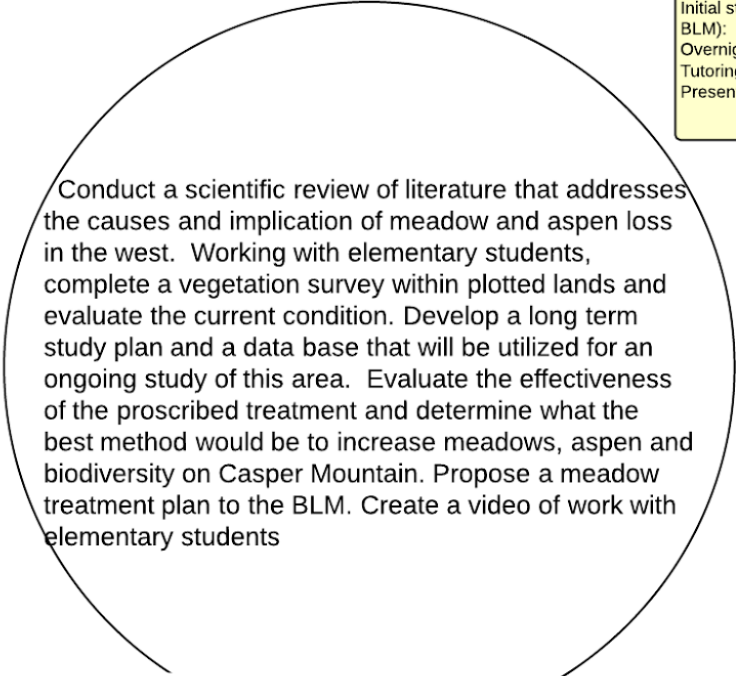


Casper Mountain Study 2014

Throughout the west we have seen declining alpine meadows aspen stands. Meadows are biological hotspots. They are home to unique communities of plants and wildlife that cannot survive under forest canopy.

Lit Review: Due Sept. 10
 Guest Speaker from BLM: Sept. 9
 Elementary Problem Statement: Sept. 11
 Initial study design (Present to BLM): Sept. 11
 Overnight: Sept. 15,16
 Tutoring/Study: Sept. 17- Oct. 7
 Present: Oct. 8



Conduct a scientific review of literature that addresses the causes and implication of meadow and aspen loss in the west. Working with elementary students, complete a vegetation survey within plotted lands and evaluate the current condition. Develop a long term study plan and a data base that will be utilized for an ongoing study of this area. Evaluate the effectiveness of the proscribed treatment and determine what the best method would be to increase meadows, aspen and biodiversity on Casper Mountain. Propose a meadow treatment plan to the BLM. Create a video of work with elementary students

Pilgrim at Tinker Creek by Annie Dillard
The Man Who Planted Trees by Jean Giono
 Guide for Lit Review:
<http://writingcenter.unc.edu/handouts/literature-reviews/>

Establish what factors need to be measured such as geology, soil composition, presence of meadow species and invasive species, historical use, etc. Establish what factors could have contributed to the loss of mountain meadowlands in these plots and collect baseline data.

Language Arts

Text

Science
 Interdependence of Organisms
 Science as Inquiry
 The origins, limitations, and conservation of natural resources

Social Studies
 Historical use of land
 Land use management
 Multiple use issues
 People, places, Environments

Technology