

## Hypothetical Prescribed Burn Instructions

Hypothetical Burn Plan Design: Your burn plan must include the following 7 items. Create an organized and clear way to convey this information. You should have 7 sections in your plan.

### 1. **Study area: = 15 points**

You will be developing a plan for the Open field in between Lago Vista High School and the Lago Vista Fire Department

- a. Create a physical description of the area include the following:
  - i. Physical address
  - ii. Longitude, Latitude, and Elevation
  - iii. Area to be burned in acres
  - iv. Perimeter of burn
  - v. Vegetation type, acres, % coverage, FBPS fuel model(use link to determine type)
  - vi. Control lines

### 2. **Map the area: = 15 points**

USE RAP to create a map of the study area and include this map in your plan.

- a. include vegetation types
- b. include potential fuel sources
- c. include any structures or features that could be affected by the burn.

### 3. **Determine burn objectives: = 15 points**

Define the goals of the hypothetical burn

- such as reducing fuel load, promoting native plants, or improving wildlife habitat.

### 4. **Develop a burn plan: = 15 points**

Outline the burn plan, including the

- Timing
- Location
- ignition method
- firebreak strategy

- smoke management plan.

**5. Consider weather conditions: = 15 points**

Analyze and describe weather data and predict how weather conditions could influence fire behavior.

**6. Assess potential risks: = 15 points**

Evaluate and describe potential risks associated with the burn, such as smoke impacts, escape of fire, and potential harm to people, property, and wildlife

**7. Notifications: = 10 points**

List the agencies, businesses and people who would need to be notified

Links for research

 Standard Fire Behavior Fuel Models\_ A Comprehensive Set for Use with ...

<https://spot.weather.gov/>

<https://www.google.com/maps/>

<https://whatismyelevation.com/>

[Area Calculator - Outline a property on a google map and find its area.](#)

<https://rangelands.app/>