

Name: _____ Date: _____ Block: _____

Unit 1 What is Fire? How do we control it?

Objective 1: What makes a fire start and go out?

Objective 2: wick or wax, what is burning?

Objective 3: How do we talk about matter?

Objective 4: How does heat transfer through materials?



Unit Project



This is the culmination of our fire unit. It is your opportunity to provide evidence of your learning and application of the information to the larger community.

Role	Audience	Format	Topic
Fire Safety Advocate You are a fire safety advocate hired by EFD and tasked with educating a group about fire and fire safety. Your role is to research, create, and share essential fire safety information with your audiences, adapting your message and format to meet their needs.	Preschool children	Video	Fire Prevention
	Elementary age children	Brochure	
	High school students	Children's book	Controlling Fire
	Neighbors of Nature Center	Comic book	
	Firepit Owner	Coloring book	Fire Investigation Analysis
	Charcoal Grill Owner	Social media campaign design	
	Campers	Commercial	Controlled Burns
	Beach Fire Pit Renters	Infographics	
	Wildfire Preventionist	Poster series	Fire service interview
	College Students	News broadcast	
	Elder care facility	Class lesson	Keep Evanston Safe
	Scouts	Direction insert	
	Home Owner	Website	Indigenous fire practices
	Landlord	Safety Town Proposal	FIRE: Then and Now
	Other (get approval)	Other (get approval)	Other (get approval)

Part 1: RAFT decision

Choose your role, audience, Format, topic

Due Date: __10/28

--

Part 2: Content review

Due Date: __10/30

What information from class are you interested in using? You will need at least 1 idea from each of the following documents. You can use as much as necessary for your topic.

Candle Lab Part 1	
Candle Lab Part 2	
Models- types of matter	
How a fire develops (xplorlab)	

Part 3: Rapid Research

Due Date: __11/1__

Use the internet and research what is already out there for your audience/format. Find at least 3 sources.

Source	Information
?? What will your project add to what is available??	

Part 4: Project Requirements (50 pts)

Progress check Due Date: _____

Your project will be uploaded in google classroom on the assignment sheet.

It should include:

- ☐ Information about the chemistry of fire (fire triangle)
- ☐ A macroscopic model of a fire burning
- ☐ A particulate model of a fire ($\text{CH}_2\text{O}_{(g)} + \text{O}_{2(g)} \rightarrow \text{H}_2\text{O}_{(g)} + \text{CO}_{2(g)}$)
- ☐ A connection between a type of heat transfer and fire safety
- ☐ Information gained from your research
- ☐ An original call to action- what is the take away for your audience? (existing examples: STOP, DROP, and ROLL; Cloze before you Doze, Only YOU can prevent forest fires!)
- ☐ A list of resources used

Final Due Date _____