



# Welcome and Safety

## GEARS Workshop

11/6/23

# Workshop Staff



# 23830 West Highway 12 Gentry, AR 72734

- Building Numbering
- Authorized building uses
- Property Lines
- Property Access - 2 gates
- Exit Door Locations (must be available!)
- Overhead doors are not exits
- Trip and Fall Hazards (docks, ramps)
- Propane Locations
- Safety muster in south parking lot



# Activities

Monday



Tue/Wed



Thursday



Tonight's poster session is a low-key event to enjoy with other science people!



# Required Safety Equipment

- Safety Glasses
- Closed toe/back shoes
- Work Gloves

Failure to wear any of these may mean you cannot participate in the shop activities!

Hair/Jewelry/Clothing Hazards



# Other common PPE you will encounter

- Hearing Protection
- Respiratory Protection
- Task Specific (welding, chemicals, heavy objects)
- Hot Work
- Hard Hats
- Fall Arrest



# Operating Equipment

- Always keep guards in place
- No loose hair/jewelry
- Rings don't make good fuses
- Don't touch spinning objects
- Never try to clean a spinning internal thread
- Drill/Saw safety (binding/kicking)

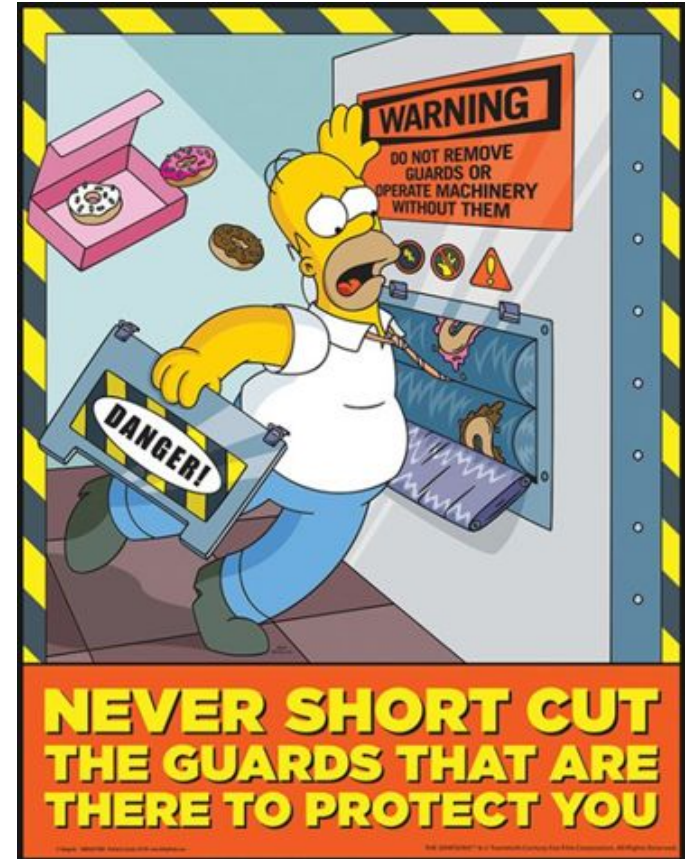


Image: National Safety



# GFD will cover fire safety

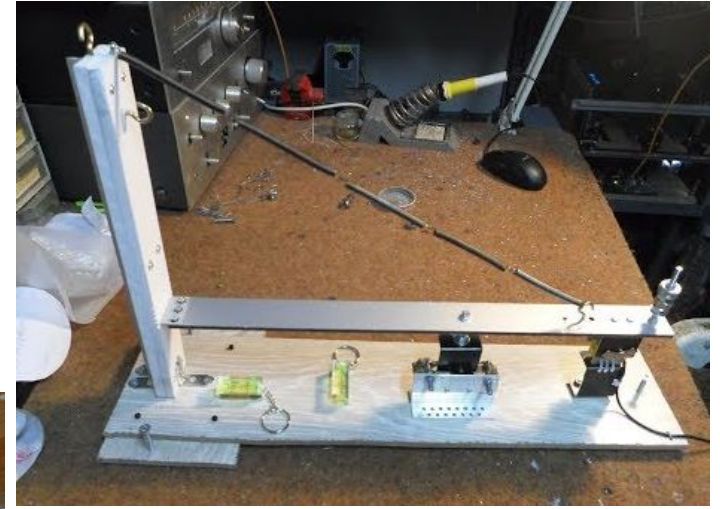
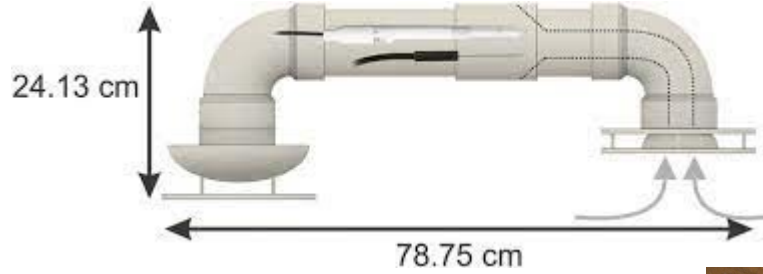


# Other miscellaneous considerations

- Don't know what it is? Don't touch it!
- Metal can look cold, but still be very hot
- Machined parts have razor edges
- Tools aren't toys (but they are fun)
- Everything is more complex (and more expensive) than it appears



# Projects



# Projects

**Monday:** 1.5 hours to plan your design and request parts/make drawings

**Tuesday:** 3.5 hours to build

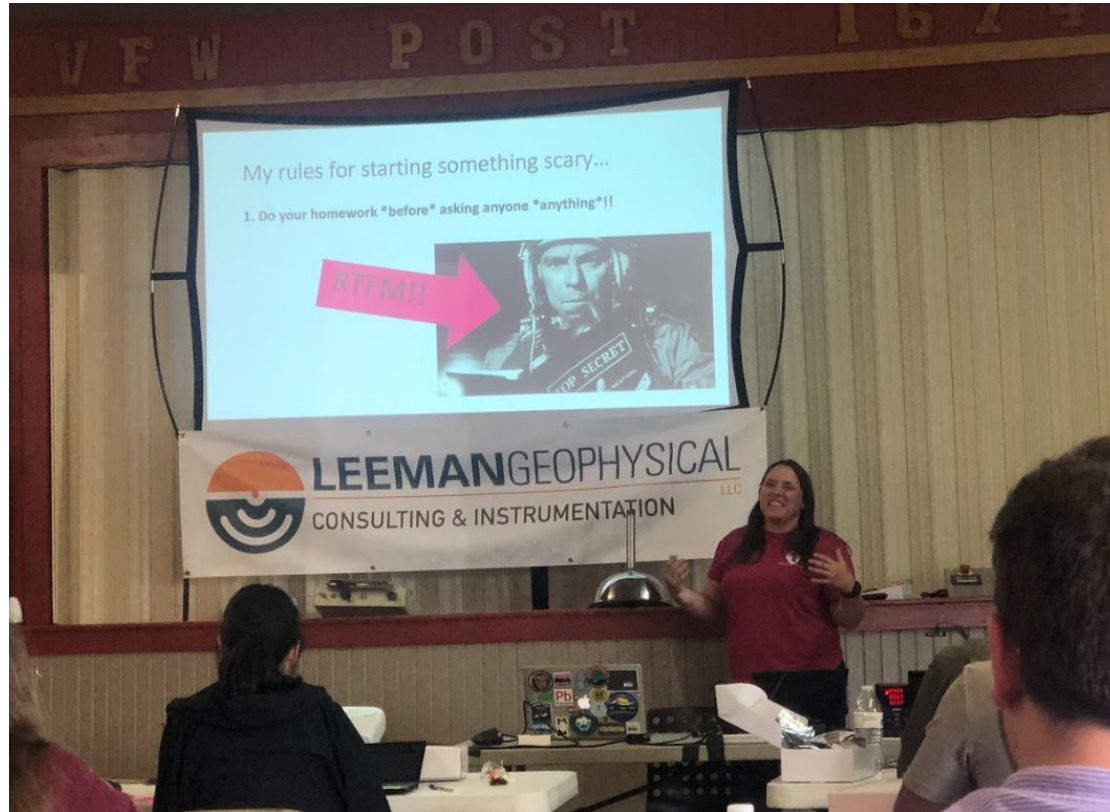
**Wednesday:** 3.5 hours to build/do tests (tests can run overnight)

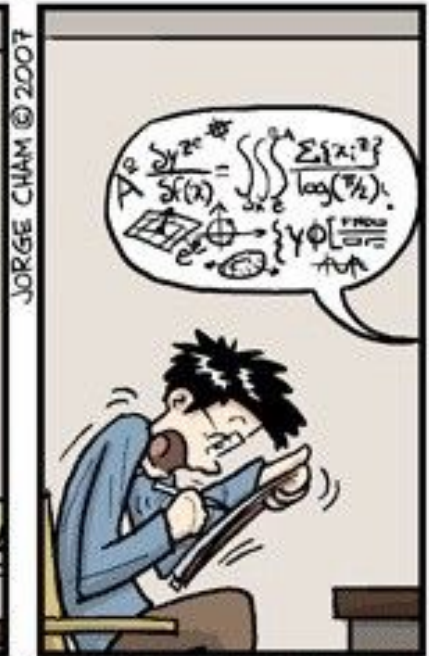
**Thursday:** 0.5 hours to pull data and quick QC

**Friday:** 2 hours to prepare presentation



# Projects presentations are Friday before lunch





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The schedule is a suggestion and you get to help guide our learning





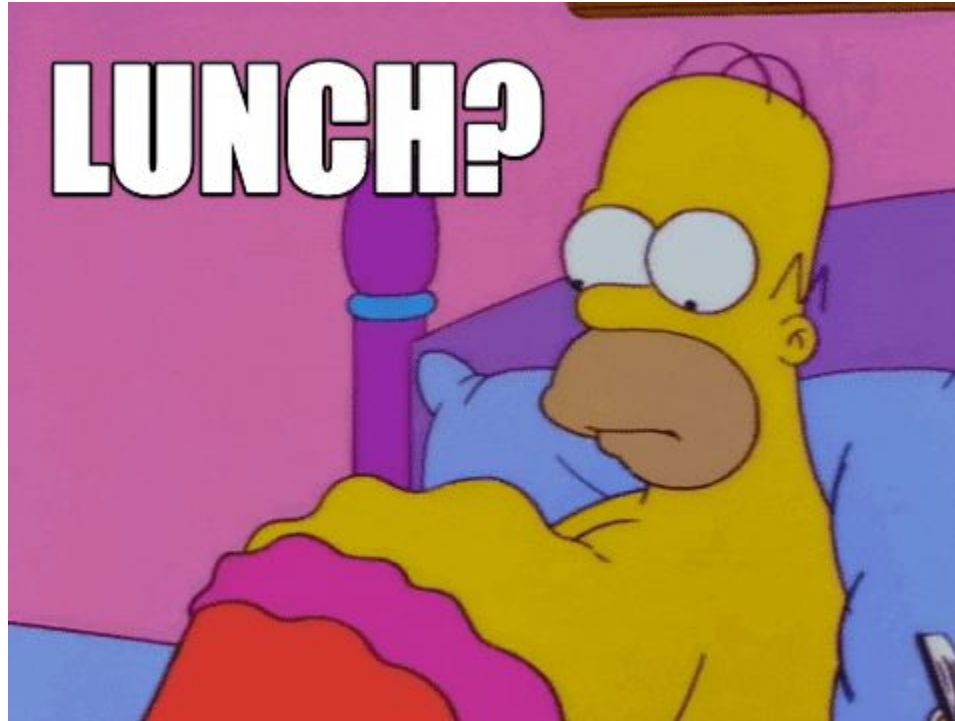
Please sign the paperwork (2 documents) in front of you before we begin the course



## Things to do in Arkansas:

- Lots of local eateries and downtown businesses
- World class art museums
- WalMart Museum
- Botanical Gardens
- Trails, trails, and trails
- Eagle Watch just east of the shop
- Razorback Football Game

Lunches are on your own, but please carpool - they are extra long so you can chat about things and have time to go into Gentry/Siloam



# Introductions

