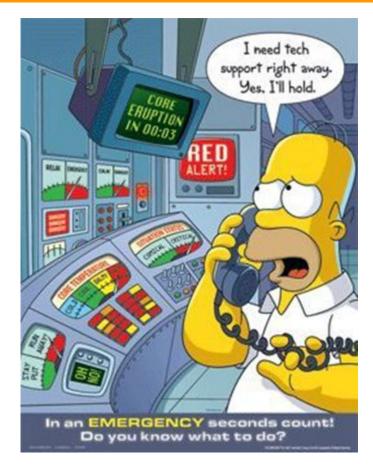
# Network SSID: Leeman Geophysical Guest Password: sciencrules





Welcome and Safety GEARS Workshop 8/1/22



Image: National Safety

## Workshop Staff





#### **About our Locations**

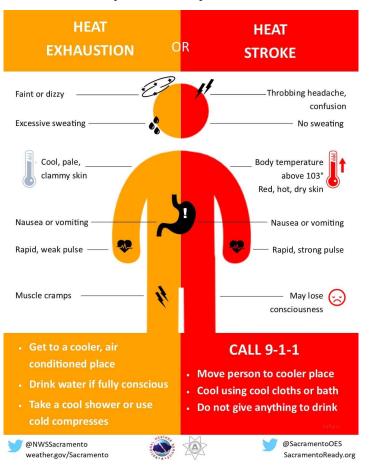
- Restrooms
- Emergency Exits
- Muster Points
- SSFD/SSPD 911
- First Aid Kits
- Fire Extinguishers
- Sanitizing/Lunch Procedure
- Sunscreen
- Main St. Speed Trap
- Low cars caution on east entrance





Image: Google Earth

## It's hot - stay very hydrated, especially when working in the shop!





### **Activities**

Monday



Tue/Wed



Thursday





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

people!





## Sticky Note System





Image: Amazon

## 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





Image: Miller Welding

## **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)

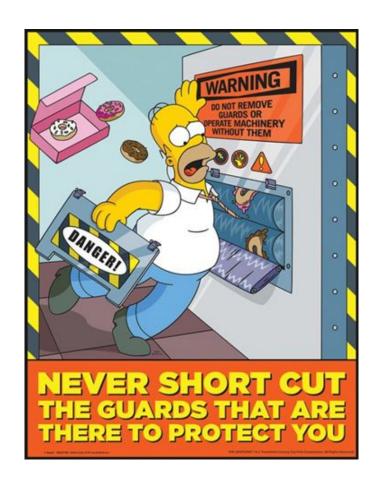




Image: National Safety

## SSFD will cover fire safety





Image: SSFD

#### 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





#### Structure

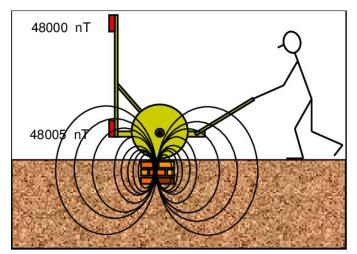


Image: Giphy



## **Projects**









## **Project Groups**

Pressure Sensors	Magnetometers	Stream Sensing
David S.	Federico P.	Matthew M.
Joshua O.	Navin T.	Natasha M.
Nico B.	Alex S.	Emily M.
Jessie M.		



## Project Groups - Rotation

Project	Tuesday AM	Tuesday PM	Wednesday AM	Wednesday PM
Magnetometer	Electronics	Programming	Mechanical	Data Collection
Stream Gauge	Mechanical	Electronics	Programming	Deployment
Pressure	Programming	Mechanical	Electronics	Deployment



## Projects presentations are Friday before lunch





## **Workshop Goals**









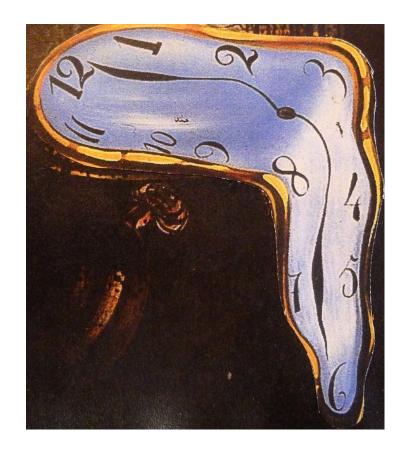




WWW. PHDCOMICS. COM



## 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:

- Have a heat stroke
- Get bit by a water moccasin
- Sweat
- Get sucked into a tornado
- Run from wasps
- Run the AC and heater in the same day
- Get second degree sunburn
- Fist fight mosquitoes



#### Things to do in Arkansas:

- Lots of local eateries and downtown businesses
- World class art museums
- WalMart Museum
- Botanical Gardens
- Trails, trails, and trails
- Grape Festival
- Naturals Baseball Games



#### **Introductions**



Iniza Montaya



Image: Society6