



## EMERGENCY PREPAREDNESS WORKSHOP:



# Emergency Preparedness Merit Badge

Presented By: Jon Sherman

This presentation is available on my website:



[www.iwillprepare.com](http://www.iwillprepare.com)  
Emergency Preparedness





# Be Prepared

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- Why is the Boy Scout Motto “Be Prepared”?

"Be prepared for what?" someone once asked Baden-Powell, the founder of Scouting, "Why, for any old thing." said Baden-Powell. The training you receive in your troop will help you live up to the Scout motto. When someone has an accident, you are prepared because of your first aid instruction. Because of lifesaving practice, you might be able to save a non-swimmer who has fallen into deep water.

But Baden-Powell wasn't thinking just of being ready for emergencies. His idea was that all Scouts should prepare themselves to become productive citizens and to give happiness to other people. He wanted each Scout to be ready in mind and body for any struggles, and to meet with a strong heart whatever challenges might lie ahead.

Be prepared *for life* - to live happily and without regret, knowing that you have done your best. That's what the Scout motto means.

--Excerpted from page 54, Boy Scout Handbook, 11th ed





# What is Emergency Preparedness?

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- Emergencies are unforeseen or unexpected.
- They can be from natural causes: hurricanes, tornadoes, floods, extreme heat, blizzards, etc...
- or from man-made causes: terrorism, hazardous materials spills, vehicle accidents, etc...
- Emergency Preparedness is recognizing what emergencies are likely to occur and preparing in a way that will lessen or even prevent the negative effects.
- “On my honor I will do my best...to help other people at all times...”



Let's look at some potential emergencies that might occur in our area....



# Possible Emergencies

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- Utility Outage (Power, Water, Gas)
- Financial Setback
- Loss of Employment
- Car Trouble or Accident
- Microburst or other storm
- Medical Emergency
- Missing Child
- House Fire
- Gas Shortage
- Transportation Disruption
- Shipping Strike
- Hazardous Materials Spill
- Gas Leak
- Water Contamination
- Palo Verde Nuclear Plant Meltdown
- Satellite malfunction preventing Debit/Credit Card Transactions
- Plane Crash in Neighborhood
- Mass Migration (From North AZ Forest Fires or CA Earthquakes)
- Earthquake
- Volcano
- Pandemic (Bird Flu?)
- Terrorist Attack
- Tornado
- Flash Flood (Dam Failure)
- Forest/Brush Fire
- War



# 4 Aspects of Emergency Preparedness?

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- Prepare:
  - Recognize the potential threats.
  - Make a plan and practice it.
  - Assemble kits and supplies.
  - Install warning devices.
- Respond:
  - Helping those in need during and following the emergency.
  - Perform first aid, construct shelters, search and rescue.
  - Your efforts can reduce secondary damage.
- Recover:
  - Efforts to get things back to normal.
  - Restoring property and physical and emotional health.
- Mitigate:
  - To lessen the effects of... or prevent injury or inconvenience all together.





# Emergency Analysis

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- Let's look at 10 possible emergencies and analyze each by reviewing the four aspects of emergency preparedness (Prepare, Respond, Recover, Mitigate)





# 4 Aspects of Emergency Preparedness

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## Event: Home Kitchen Fire

- Prepare and Mitigate:
  - Train family members what to do if you have a kitchen fire.
  - Prepare and practice a fire escape plan.
  - Know how to shut-off utilities.
  - Prepare a bug-out bag.
  - Don't leave cooking unattended.
  - Make sure smoke alarms are tested and batteries are replaced regularly.
  - Have fire extinguishes on-hand.
- Respond:
  - Use fire extinguisher to put out the fire.
  - If fire gets out of control, evacuate the house.
  - Go to a neighbor's house and dial 911.
- Recover:
  - Do you have fire insurance?
  - Do you have an inventory of your belongings so they can be replaced?



# 4 Aspects of Emergency Preparedness

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Event: **Home basement/storage room/garage fire**

- Prepare and Mitigate:
  - Train family members what to do if you have a kitchen fire.
  - Prepare and practice a fire escape plan.
  - Know how to shut-off utilities.
  - Prepare a bug-out bag.
  - Don't overload electrical outlets.
  - Don't leave oily rags or other flammables lying around.
  - Store only small amounts of gasoline or other fuels.
- Respond:
  - Use fire extinguisher to put out the fire.
  - If fire gets out of control, evacuate the house.
  - Go to a neighbor's house and dial 911.
- Recover:
  - Do you have fire insurance?
  - Do you have an inventory of your belongings so they can be replaced?





# 4 Aspects of Emergency Preparedness

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Event: **Explosion in the home**

- Prepare and Mitigate:
  - Prepare and practice a fire escape plan.
  - Know how to shut-off utilities.
  - Prepare a bug-out bag.
  - Keep appliances inspected and in good working order.
  - Do not store large amounts of flammables.
  - Keep Gas and fuel tanks away from heat sources.
- Respond:
  - Get everyone out of the house quickly.
  - Go to a neighbor's home and call 911.
- Recover:
  - Do you have fire insurance?
  - Do you have an inventory of your belongings so they can be replaced?



# 4 Aspects of Emergency Preparedness

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Event: **Automobile accident**

- Prepare and Mitigate:
  - Become CPR and First Aid certified
  - Keep a first aid kit in your car.
  - Don't text or talk on the phone while driving.
  - Don't distract the driver.
  - Don't, or allow a friend to, drink and drive.
- Respond:
  - Call 911!
  - Check for injuries & treat the wounded. (stop bleeding and treat for shock)
  - Don't move the seriously injured unless they are in imminent danger.
- Recover:
  - Help police or fire department as they instruct.
  - Do you have health insurance?
  - Do you have vehicle insurance?



# 4 Aspects of Emergency Preparedness

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Event: **Food-borne disease (food poisoning)**

- Prepare and Mitigate:
  - Learn correct cooking and food handling techniques.
  - Keep yourself healthy.
  - Keep cold food refrigerated.
  - Cook food to the correct temperature and length of time.
  - Eat food within two hours of cooking or preparing it.
- Respond:
  - Call your doctor if symptoms become extreme.
  - Keep yourself hydrated and well rested.
- Recover:
  - Report food poisoning to your local health professionals.



# 4 Aspects of Emergency Preparedness

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Event: **Vehicle stalled in the desert**

- Prepare and Mitigate:
  - Be prepared for hot or cold temperatures
  - Make sure your car is running properly.
  - Have water, food and tools on-hand.
  - Keep to main roads.
  - Keep your cell phone charged.
  - Leave a trip plan with a loved one.
- Respond:
  - Call for roadside assistance.
  - Stay with your car, but not in it.
  - Raise the hood to indicate you need help.
- Recover:
  - If dehydrated, drink plenty of water.
  - See a doctor if you have spent more than 4 hours in inclement weather or you don't feel well.



# 4 Aspects of Emergency Preparedness

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Event: **Vehicle trapped in a blizzard**

- Prepare and Mitigate:
  - Be prepared for cold temperatures
  - Make sure your car is running properly.
  - Have water, food, warm clothes and tools on-hand.
  - Keep to main roads.
  - Keep your cell phone charged.
  - Leave a trip plan with a loved one.
- Respond:
  - Call for roadside assistance.
  - Stay with your car. It is easier to find
  - Raise the hood to indicate you need help.
- Recover:
  - If dehydrated, drink plenty of water.
  - See a doctor if you have spent more than 3 hours in inclement weather or you don't feel well.



# 4 Aspects of Emergency Preparedness

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Event: **Flash flooding in town or the country**

- Prepare and Mitigate:
  - Know the safest route from your home to high ground.
  - Know whether you live in a flood zone.
  - Store drinking water, food and evacuation bags.
  - Purchase flood insurance.
- Respond:
  - Listen to local radio or TV to receive emergency alerts and instructions.
  - Follow the instructions.
  - Move valuables to the second floor if there is time.
- Recover:
  - Throw away food.
  - Carefully clean anything that got wet.
  - Wait until everything is dry before turning back on your electricity.



# 4 Aspects of Emergency Preparedness

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Event: **Mountain/backcountry accident**

- Prepare and Mitigate:
  - Determine what hazards might you face.
  - Know the area.
  - Have a map, compass and GPS system with you.
  - Know first aid.
  - Know how to signal for help.
  - Bring a first aid kit with you.
  - Leave a travel plan with a loved one.
  - Have a cell phone or Ham radio with you so you can call for help.
- Respond:
  - Call 911 if you can.
  - Send someone for help if it is unsafe to move the victim.
  - Carry the victim out if you can.
- Recover:
  - Analyze the situation to see if you made a mistake you can avoid making the next time you go out.





# 4 Aspects of Emergency Preparedness

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Event: **Violence in a public place**

- Prepare and Mitigate:
  - Recognize possible emergencies.
  - Take notice of emergency exits when in public areas.
  - Report unsafe conditions to proper authorities.
  - Carry a cell phone to call 911.
  - Don't confront those responsible for the violence.
- Respond:
  - Don't Panic!
  - Help calm those around you.
  - Don't endanger yourself.
  - Call 911 when it is safe to do so.
- Recover:
  - Help friends, family and victims cope with the trauma or loss.



# Making your Home Safe

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- Inspecting your home can reduce the likelihood of disasters such as fires, explosions, gas leaks, spread of disease, etc.. From occurring .
- A home hazard hunt conducted from time to time can help point out areas of risk.
- Let's discuss why its important and review your results.



# Prepare an Evacuation Kit

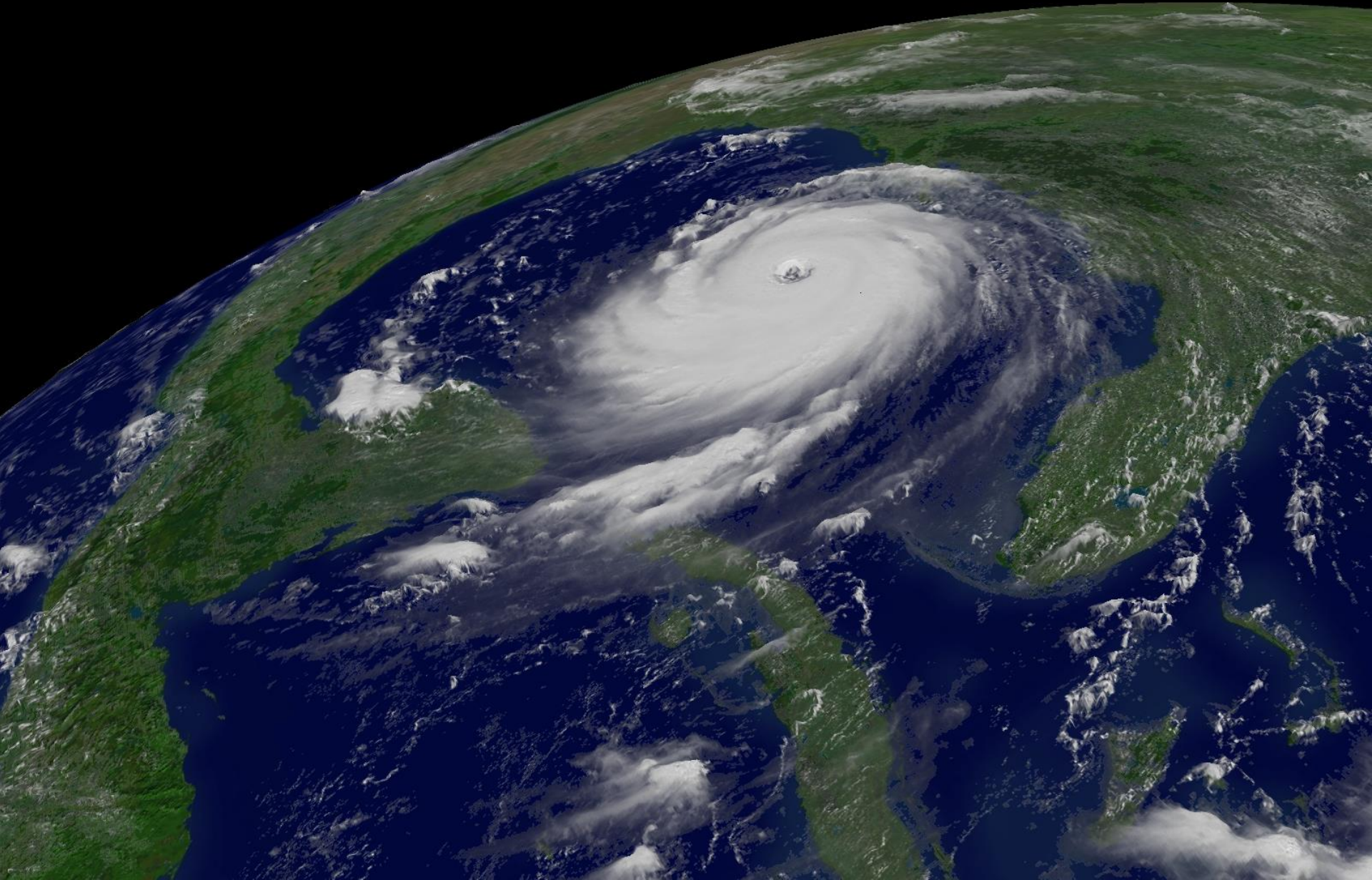
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What is Evacuation and Why Might it be Necessary?



# Hurricanes

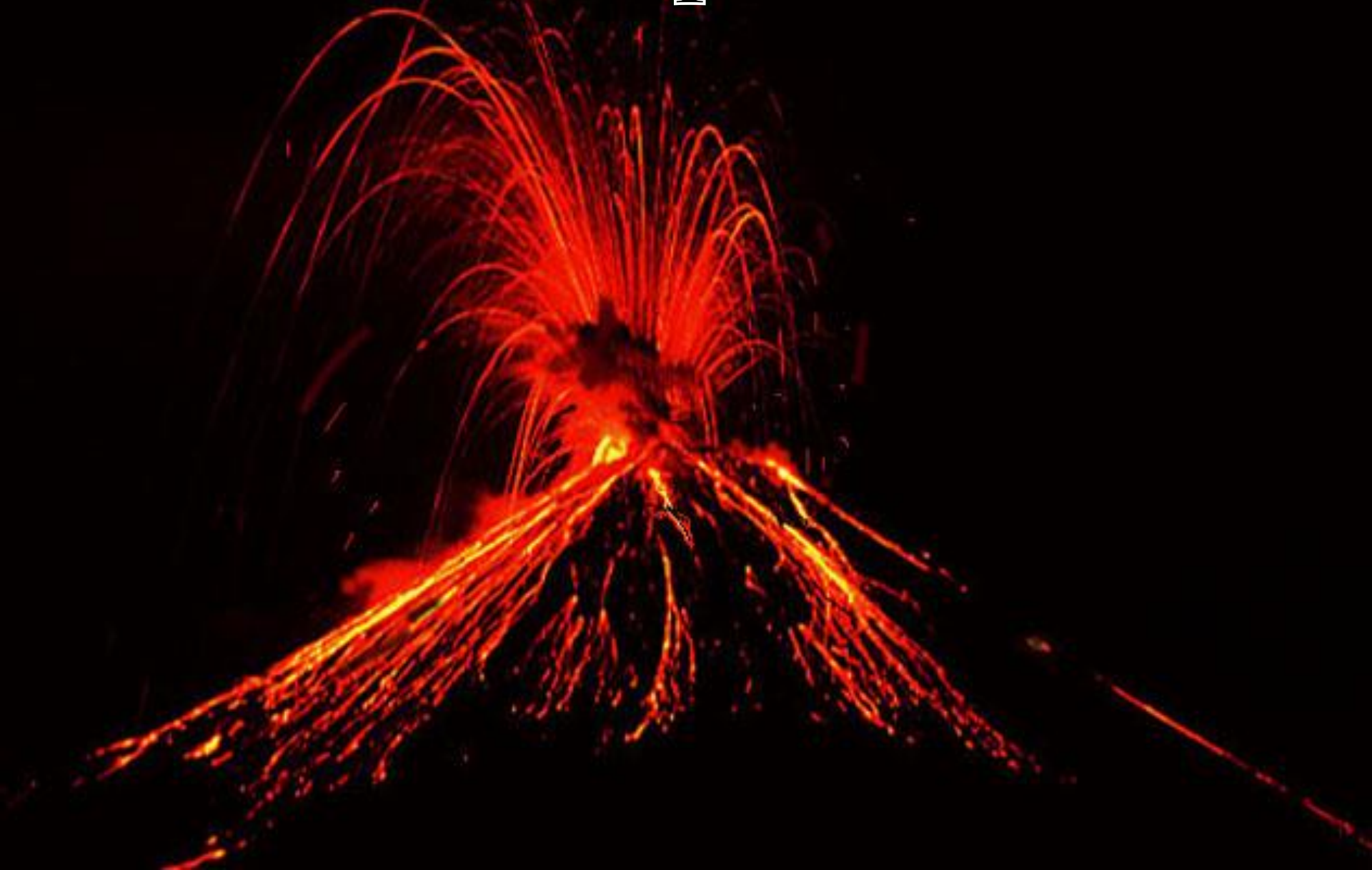




# Riots



# Volcanic Eruptions





# Tsunami





# Tornados



# Shortages





# Pandemic



Fire





# Earthquakes





# Gas Leak



War





# Floods



# HazMat Spill





# Emergency Supplies

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- When you evacuate, you will have no idea how long you will be gone.
- You will need supplies you can use to keep warm, dry, fed and hydrated and treat minor injuries.





# Emergency Kit

- Most emergency management experts agree that following a moderate to large scale disaster, emergency services will not have sufficient personnel or supplies to address the needs of everyone.





# Emergency Kit

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- A “Lag-Time” will exist before services and supplies can get to you.
- On average that lag time has been about 72-Hours.
- During that time, you alone may have to provide your own, food, clothing and other necessary supplies.



# Emergency Kit

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- Having an Emergency Kit assembled and ready saves valuable time.
- You won't have to gather necessary items when you are in a hurry.
- Just grab the bag and go!
- What Bag should you use and what should you put in it?





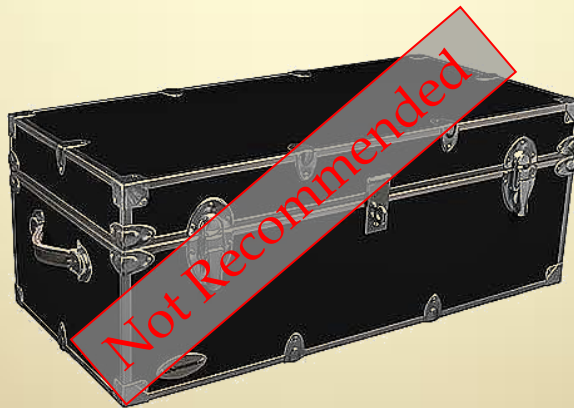
# Emergency Kit Containers

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# Emergency Kit Containers





# Emergency Kit Containers

BEST!



BEST!









# Evacuation Plan





# Evacuation Plan

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- If you are forced to evacuate, you most likely won't have the time to stop and buy the appropriate maps and plan your route or communicate with family.
- Make your plans NOW where you will regroup if separated and what routes you will take.
- Let's discuss your plans.
  - Regroup locations
  - Emergency and out-of-state contact
  - Routes to travel





# Scouts Help Others

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- What are some areas where Scouts can lend a helping hand during emergencies?
  - Crowd and Traffic Control.
  - Messenger Service and Communication
  - Collection and Distribution Services
  - Group Feeding, Shelter and Sanitation
- What Safety Precautions should be considered for each?



# Scouts Help Others

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- Crowd and Traffic Control.
  - **Prepare for:** Caution tape, reflective vest, Flashlight
  - **Training needed:** crowd behavior and traffic safety
  - **Safety Precautions:** Supervision is necessary. Leave if situations become dangerous.
- Messenger Service and Communication
  - **Prepare for:** Map area and assign sections. Know your area. Ham Radio, Tactical Communications, Signaling.
  - **Training needed:** Bike Safety, brief messages. Radio/Phone Etiquette.
  - **Safety Precautions:** Bike Safety, Traffic Safety.
- Collection and Distribution Services
  - **Prepare for:** Maps, distribution and collection locations
  - **Training needed:** Food Collection (Scouting for Food)
  - **Safety Precautions:** Crowd control
- Group Feeding, Shelter and Sanitation
  - **Prepare for:** Cooking equipment, latrine equipment, tents.
  - **Training needed:** Cooking knowledge, know how to setup tents.
  - **Safety Precautions:** Hygiene and Sanitation, proper food handling.



# Volunteers Help Others

- Who Is responsible for providing these services in our community?
  - Crowd and Traffic Control.
  - Messenger Service and Communication
  - Collection and Distribution Services
  - Group Feeding, Shelter and Sanitation

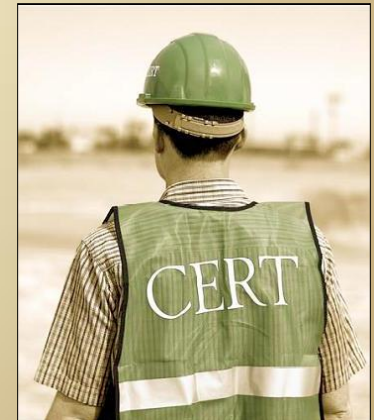


- The Community Emergency Response Team (CERT) program educates people about disaster preparedness for hazards that may impact their area and trains them in basic disaster response skills, such as fire safety, light search and rescue, team organization, and disaster medical operations. Using the training learned in the classroom and during exercises, CERT members can assist others in their neighborhood or workplace following an event when professional responders are not immediately available to help. CERT members also are encouraged to support emergency response agencies by taking a more active role in emergency preparedness projects in their community.



# Volunteers Help Others

- The Community Emergency Response Team (CERT) program helps train people to be better prepared to respond to emergency situations in their communities. When emergencies happen, CERT members can give critical support to first responders, provide immediate assistance to victims, and organize spontaneous volunteers at a disaster site. CERT members can also help with non-emergency projects that help improve the safety of the community.







# Municipal Emergency Management

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- The Town of Gilbert, AZ. has a Town Emergency Manager.
- Sheri Gibbons is the Town of Gilbert Emergency Manager.
- She is in charge of recognizing and preparing the town and its residents for potential disasters.
- She coordinates with the Fire and Police Departments how to best respond during these events.
- She helps organize volunteers like CERT to help as well.

12 Areas of Focus in  
Developing Gilbert's  
Emergency Response  
Plan  
(12 Events Identified  
as Most Likely to  
Occur in Gilbert)

1. Poor Air Quality
2. Civil Disturbance
3. Common Carrier Accident (Plane, Train, Car, Bus, Etc..)
4. Earthquake
5. Power Outage
6. Fire/Explosion
7. Hazardous Material Spill
8. Heat wave
9. Pandemic Influenza
10. Palo Verde Disaster
11. Storms/Floods
12. Terrorism

A 3D rendered image of a white lifebuoy with three red horizontal stripes. A thick white rope is looped around the lifebuoy and extends upwards and to the right, disappearing into the sky. The background is a bright blue sky with scattered white clouds. The word "Lifesaving" is written in a large, dark blue, serif font with a white outline, positioned across the center of the lifebuoy.

Lifesaving



# Touching a live household electric wire

- What's wrong with these two pictures?







# Touching a live household electric wire

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- When someone is electrocuted, their muscles tighten and they may be unable to let go.
- What to do:
  - Do not touch the electrocuted person.
  - Pull out the cord from the insulated portion.
  - Shut-off the power at the circuit breaker.
  - Push the person away using a wooden stick, rolled up newspaper, towel or other implement that doesn't conduct electricity.
  - Call 911!



# A room filled with carbon monoxide

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# A room filled with carbon monoxide

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- Carbon Monoxide is an odorless and colorless gas.
- Carbon Monoxide poisoning kills 200 people a year and sends thousands to the hospital.
- CO can come from grills, appliances, fireplaces, gas-powered tools or a running car in a closed garage.
- How to prevent CO poisoning:
  - Install a CO alarm in your home.
  - Make fuel burning sure appliances and fireplaces are inspected by a professional at least once a year.
  - Never burn charcoal in your home or garage.
- CO Poisoning symptoms:
  - Headache, dizziness, faintness, ringing in the ears, nausea
- If you feel these symptoms, leave the house immediately and call 911.
- If the victim stops breathing, give rescue breathing.





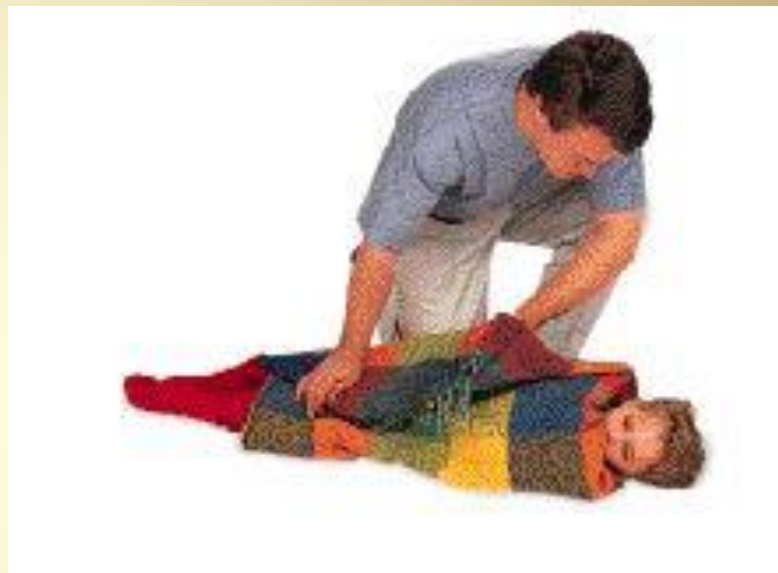
# Clothes on fire

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# Clothes on fire





Drowning





# Drowning Victim

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- How do you Rescue a drowning victim?





# Drowning Victim

R

T

R

G





# Drowning Victim

Reach

Throw

Row

Go (with Support)







# Drowning - Reach

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# Drowning - Throw

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# Drowning - Row

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# Drowning – Go!

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Always Go With Support!





# Ice Rescue

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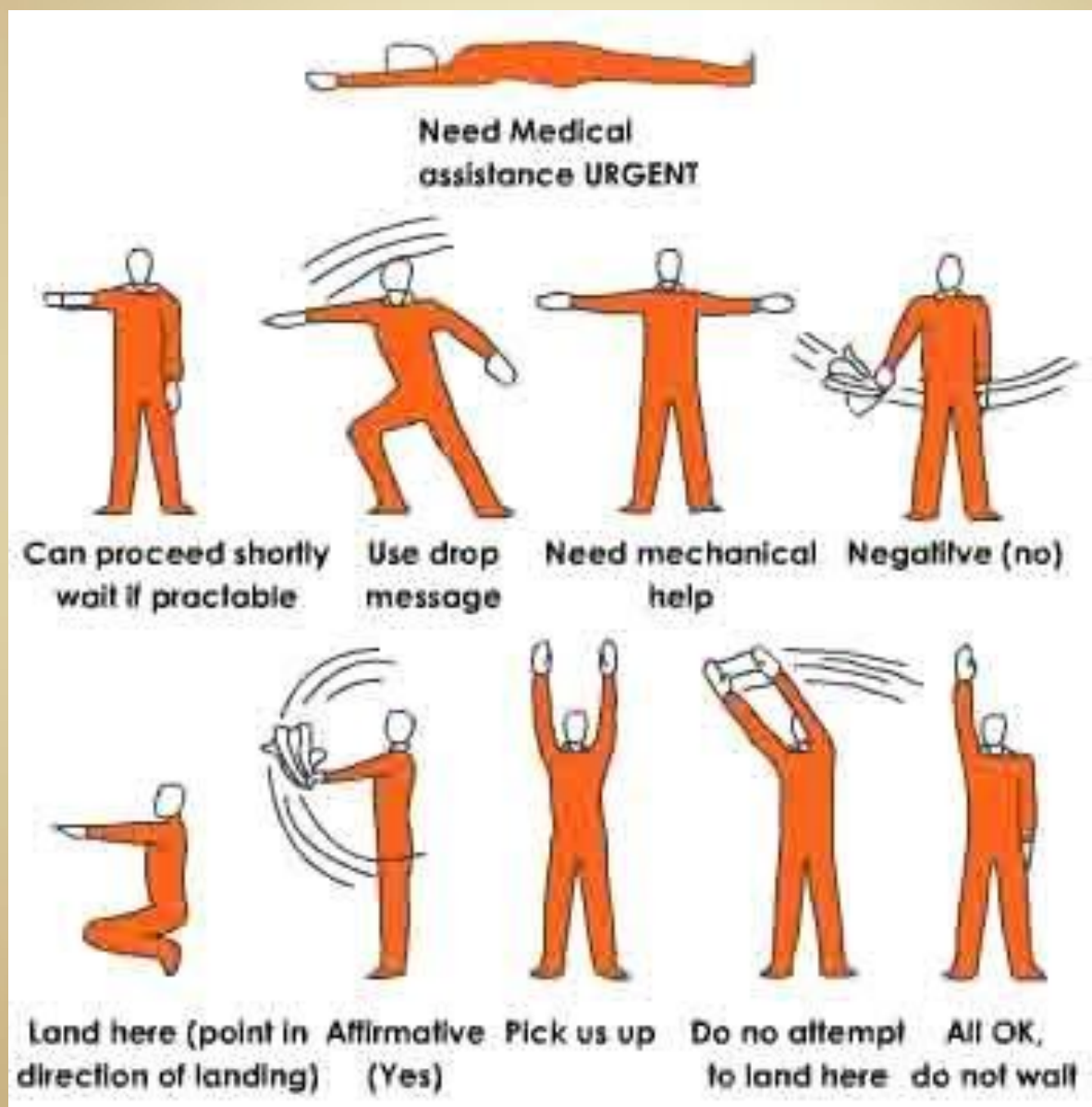
# Signaling



# Aircraft



# Ground-To-Air Signals (Body)







# Ground-To-Air Signals (Pattern)

Message	Code symbol
Require assistance.	V
Require medical assistance.	X
No or negative.	N
Yes or affirmative.	Y
Proceed in this direction.	↑



# Ground-To-Air Signals (Mirror)

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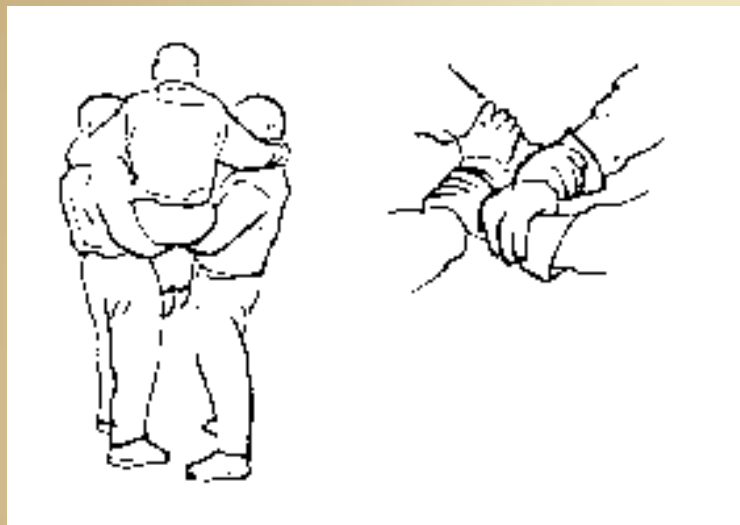
# Long Distance Moving

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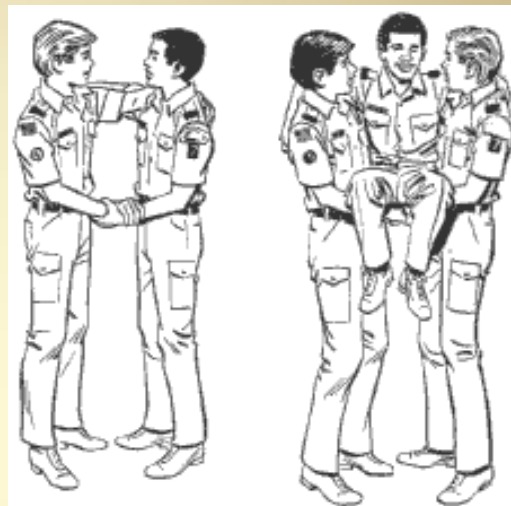
- Sometimes you aren't close to help or even within range of making a 911 call.
- You may have to carry a friend or other victim long-distances to get them to help.
- How would you do this?



# Long Distance Moving



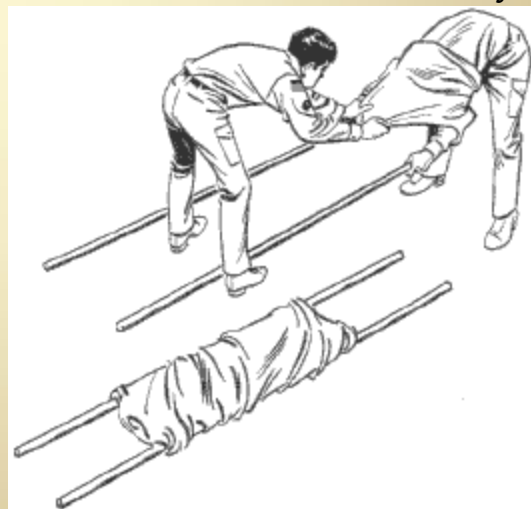
Four-Handed Seat Carry



Two-Handed Seat Carry



Stretcher 1



Stretcher 2





# Mobilization Plan

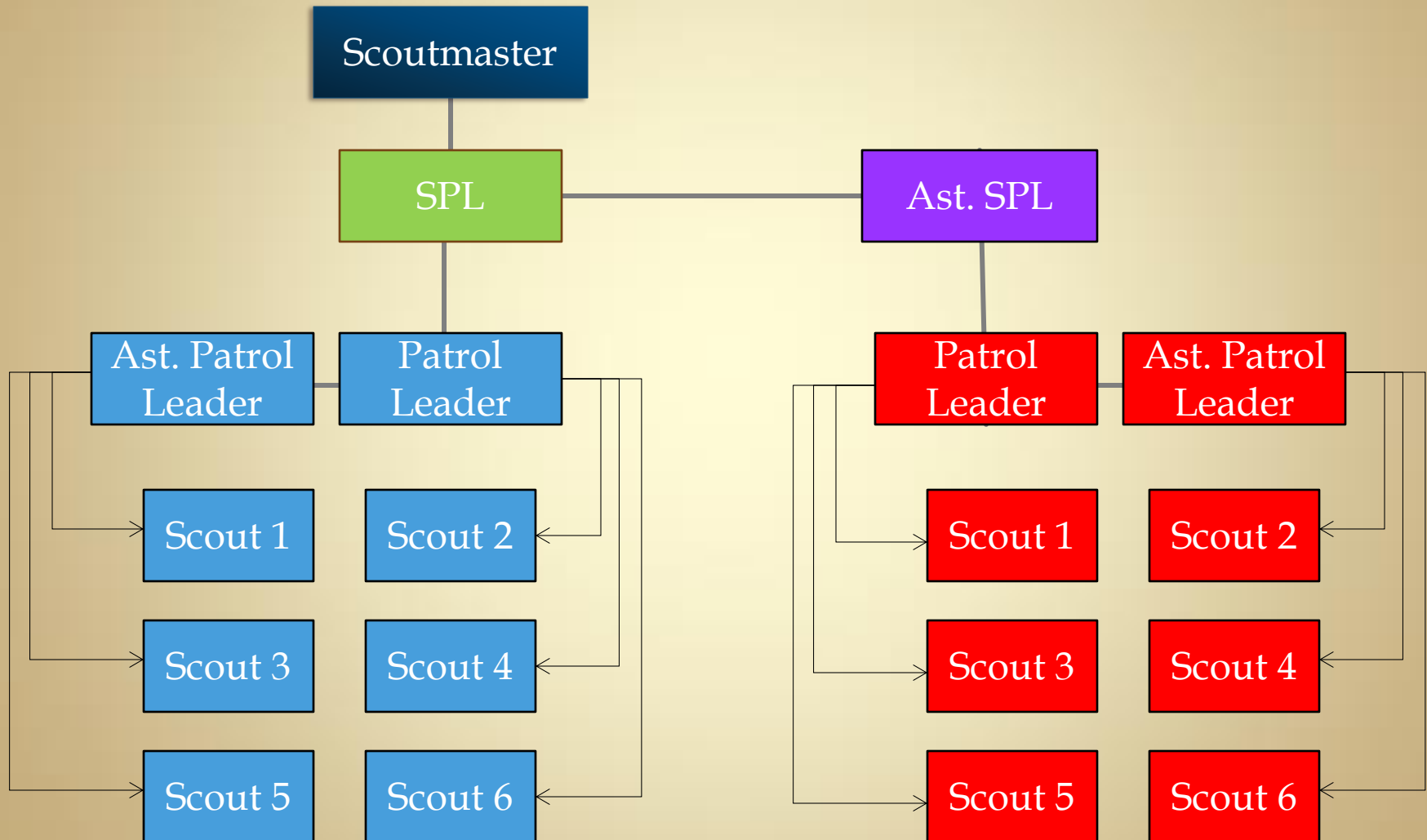
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- A mobilization plan is the process by which you send and receive information in regards to assembling to provide assistance in case of an emergency.
- Information includes:
  - Type of emergency.
  - What time to show up.
  - Where to assemble.
  - What type of equipment to bring.

View our Stake Mobilization Plan [Here](#)



# Mobilization Plan







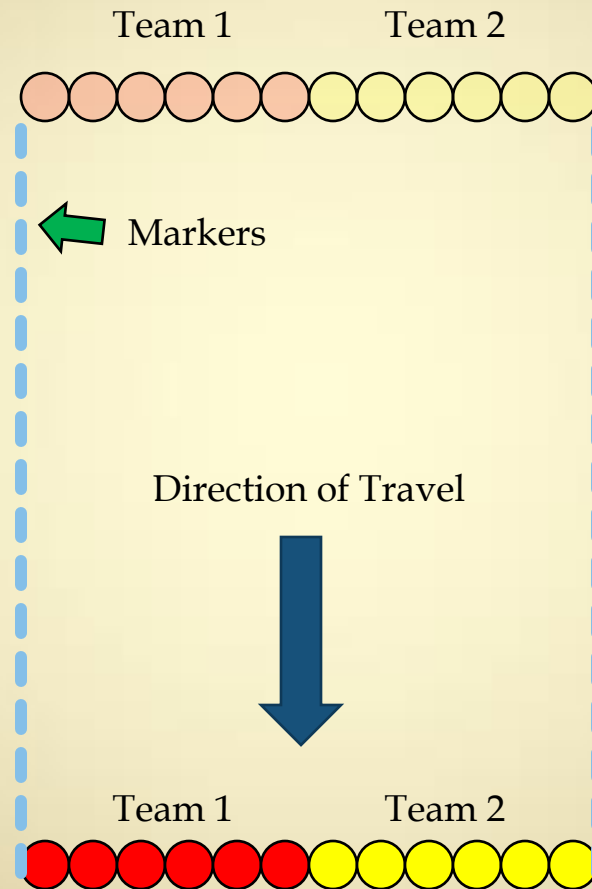
# Search and Rescue





# Search and Rescue

- Search Pattern

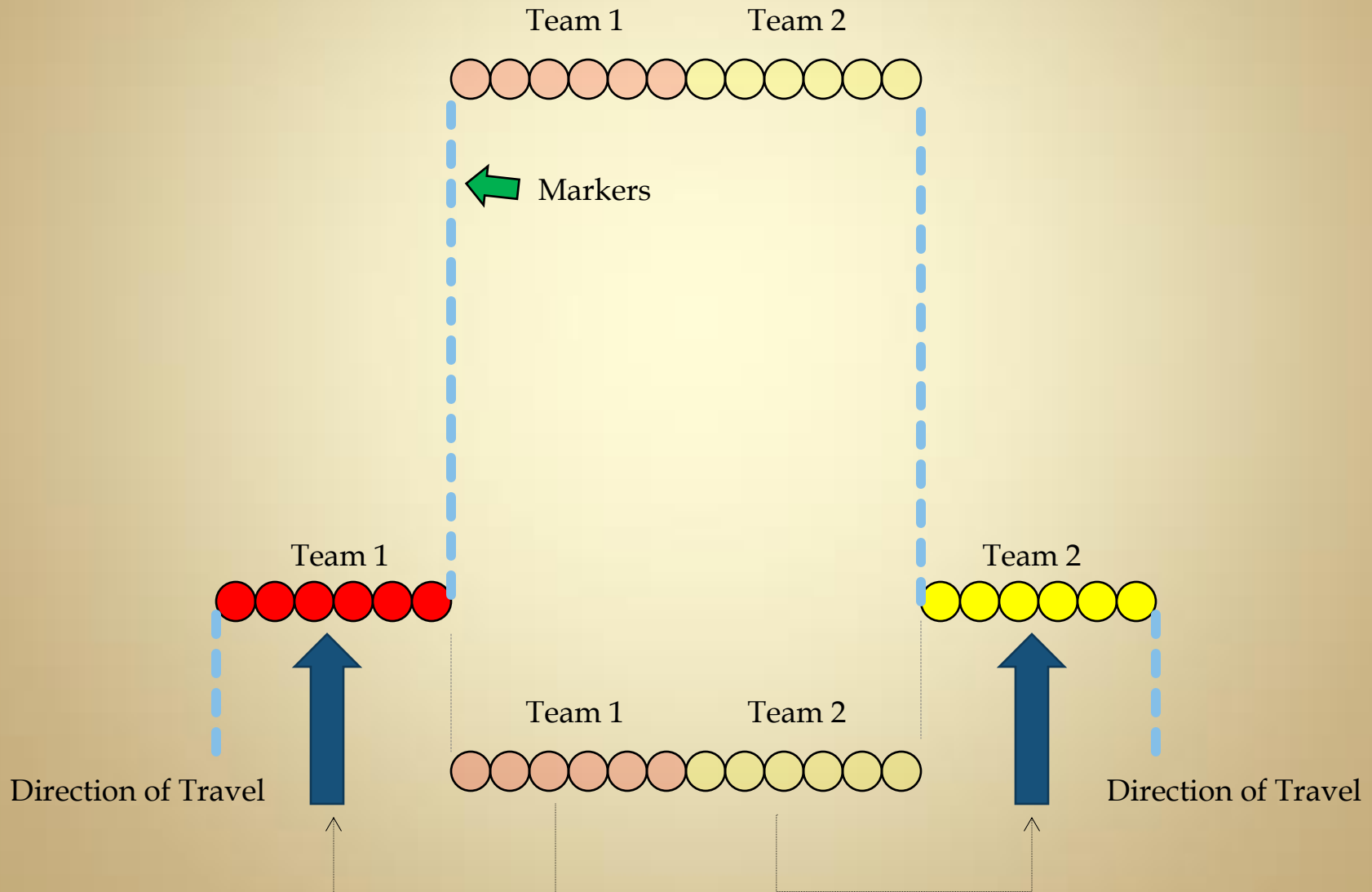






# Search and Rescue

- Search Pattern







**Let's Mobilize!!**





# Search and Rescue

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## Missing Persons Alert



- 3 Children are missing. SPL, organize your team to search for them.
- Last known whereabouts was in the Church Parking Lot.
- Here is a picture of the children...



# Search and Rescue

- Photo of our Missing Persons







# Search and Rescue

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- Welcome Back!!!
- What did we learn?





# Filling out your Blue Cards

## APPLICATION FOR MERIT BADGE

Name Your Name

Address Your Address

City Gilbert or Mesa, AZ, Zip

is a registered

☒ Boy Scout ☐ Varsity Scout ☐ Venturer

of Troop No. Troop #  
Troop, team, crew, ship

District San Tan

Council Grand Canyon

and is qualified to begin working for merit  
badge noted on the reverse side.

10/12/13  
Date

\_\_\_\_\_  
Signature of unit leader

BOY SCOUTS  OF AMERICA®

34124  
2008 Boy Scouts of America

Requirement No. and letter	Date of approval	Counselor initial	Requirement No. and letter	Date of approval	Counselor initial
1			8a		
2a			8b		
2b			8c		
2c			9a		
3					
4					
5					
6a					
6b					
6c					
7					





# Filling out your Blue Cards

The applicant has personally appeared before me and demonstrated to my satisfaction that he has met all requirements for the (please print)

## Emergency Preparedness

Merit badge

Jon Sherman

Name of counselor

4276 E. Loma Vista St.

Address of counselor

Gilbert, AZ.

85295

City

Zip code

(480) 279-1145

Telephone number of counselor

Signature of counselor

Date

Checked and recorded:

Date

Initials

Certificate and badge presented

Date

Applicant will turn in this portion to his unit leader for record posting.

## APPLICANT'S RECORD

Name Your Name

has given me his completed application for the

Emergency Preparedness

Merit badge

Completed on \_\_\_\_ / \_\_\_\_ / \_\_\_\_ by \_\_\_\_  
Date

Signature of counselor

Signature of unit leader

NOTE TO BOY SCOUT, VARSITY SCOUT, OR VENTURER: Retain this copy for your permanent records.

## COUNSELOR'S RECORD

Applicant Your Name

☒ Troop

☐ Team

☐ Crew

Unit number Troop #

Emergency Preparedness

Merit badge

Date completed \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Remarks:

It is suggested that the counselor keep this record in case any question is raised later in regard to this award.

# Contact Information:

Jon Sherman

Email:

[iwillprepare@gmail.com](mailto:iwillprepare@gmail.com)

Website:



[www.iwillprepare.com](http://www.iwillprepare.com)  
Emergency Preparedness





# Needed Supplies

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- Merit Badge Pre-Requisites Page
- Merit Badge Requirements Page
- EP Merit Badge Book
- Copies of the EP Merit Badge Worksheet
- Blue Cards
- Pens, Pencils, Paper
- Poles and Blankets for stretcher carry
- Individually wrapped candy to encourage participation
- 3 Lego Guys for Missing Persons Search
- 2 Colors Poker Chips and 4 Containers for Missing Person Search for use as markers.
- Laptop
- Projector
- Extension Cord
- Presentation Remote
- Evacuation Kit
- Signup Sheet