OPERATING SPEEDS AND CONTROL OF EQUIPMENT

Tool Box Meeting

MEYVN™

Activity: Maintaining Speed Relay Race

30 CFR Standard:56.9101

Objectives:

- □ Conditions that effect operating speeds
- □ Dangers of going too fast
- □ Site speed limits

Time: 10-15 minutes

Materials:
3 Cups of Water
Tape

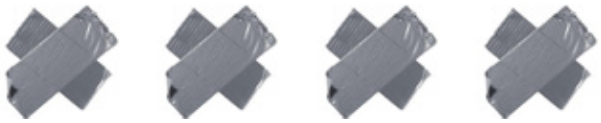
Introduction: Too often accidents are caused by people driving or operating equipment beyond their limits or outside the parameters of design.

Step • 1

Fill three cups to the very brim with water.

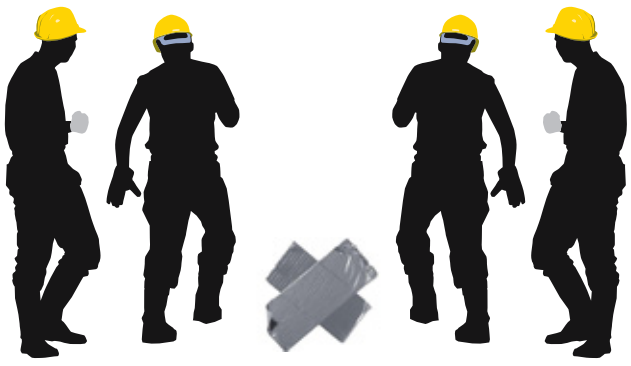
Step • 2

Tape three or four **X's** on the floor, 4-5 steps apart from one another.



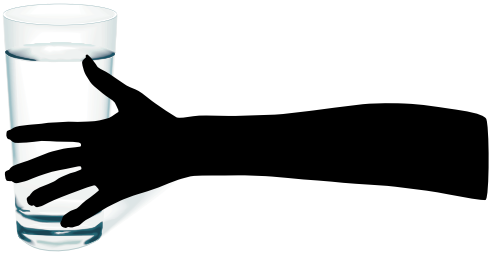
Step • 3

Split the group into two equal teams and have each team line up behind the first **X** taped on the ground.



Step • 4

Give the first person on each team a cup of water filled to the very brim.



Step • 5

Explain the Directions:

- This will be a relay race. The goal is to have all team members complete the circuit before the other team's members do. Even though this is a race, the goal is to maintain control of the cup of water and use appropriate speed.
- Each team member will be responsible for navigating around the **X's** on the floor. When you get the to last **X** you need to turn around and come back through the **X's**.
- If at any point, any droplet of water falls from the cup, you have to come back and start over. First team who have all members navigate around the circuit without spilling a drop of water will win.

Step • 6

Count them down from 5 and then watch to see if anyone spills any of the water. If you see any water come out of the cup have that person come back to the starting line and redo the circuit.

Note: You will have the third cup of water, if someone spills their water be sure to fill them back up so the water is at the brim.

Take Away from Activity:

Make sure your group members realize that when they try to go too fast they are actually moving much slower in the long run because inappropriate speed can lead to accidents, injuries and mistakes on the job.

By maintaining speed in the activity it prevented spills, which allowed the participants to remain in the game. Maintaining speeds is extremely important.

Between 2000 and 2008, there were 15 fatalities due to operating mobile equipment not at proper speeds.

Group Questions:

1. **Where are some areas on-site where speed is critical?**
   a. Downhill slopes, areas where people walk, unfamiliar areas.

2. **Where do we see different speed limits on-site? What are the different speed limits on-site?**

3. **Ask if anyone in the group has any stories about losing control of their equipment due to speed.**

4. **What are some conditions that override speed limit signs?**
   a. Weather, slick roads from water trucks or mag, fog, heavy snow or rain, road construction, people working on the ground, etc.

30 CFR Standard:

56.9101 Operating Speeds & Control of Equipment
Operators of self-propelled mobile equipment shall maintain control of the equipment while it is in motion. Operating speeds shall be consistent with conditions of roadways, tracks, grades, clearance, visibility, and traffic, and the type of equipment used.

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