How to Make Your EH&S Training Come to Life!

And Effectively Change Employee Behaviors

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After two weeks, we tend to remember...

- Reading: 10% of what we read
- Hearing words: 20% of what we hear
- Seeing: 30% of what we see
- Watching a movie, Seeing an exhibit, Watching a demonstration, Seeing it done on location: 50% of what we see & hear
- Participating in discussion, Giving a talk: 70% of what we say
- Doing a dramatic presentation, Simulating the real experience, Doing the real thing: 90% of what we do

(Based on the research of Edgar Dale, originator of "The Cone of Learning")
Talk rate of about 125-175 words per minute. Listen rate of up to 450 words per minute. (1)

RESULT: 75% time differential with which to encourage our minds to wander.

(1) Carver, Johson & Friedman, 1970.
The Solution:
Participatory Training Experience (PTE)
Participatory Training Experience
Traditional Training Gap Analysis + 1

Pre-test  Real time Polling  Post-test

PollEverywhere.com
SIGN IN
WITH YOUR EMAIL

Username or email
Password

SIGN IN

Lost your password?
If you are stuck, please let us know.

www.getkahoot.com
Challenge your assumptions about adult learning by providing a counter argument to the established “rules”

- Minimize lecture mode because it stifles critical thinking and encourages the student to not pay attention to the trainer.
- **Use a warm-up exercise to establish a friendly environment for teaching and learning.**
- Involve adults in diagnosing their own learning needs.
- Choose interactive teaching methods because they make participants feel respected and involved.
- A respectful facilitator plays down his/her position of authority and treats participants as co-instructors.
- Sitting in a circle is an effective teaching and learning environment and democratic technique.

*PowerPoint Gone Bad...*
The employer shall provide the following respirators for employee use in IDLH atmospheres:

1910.134(d)(2)(i)(A) A full facepiece pressure demand SCBA certified by NIOSH for a minimum service life of thirty minutes, or

1910.134(d)(2)(i)(B) A combination full facepiece pressure demand supplied-air respirator (SAR) with auxiliary self-contained air supply.

1910.134(d)(2)(ii) Respirators provided only for escape from IDLH atmospheres shall be NIOSH-certified for escape from the atmosphere in which they will be used.

1910.134(d)(2)(iii) All oxygen-deficient atmospheres shall be considered IDLH.

Exception: If the employer demonstrates that, under all foreseeable conditions, the oxygen concentration can be maintained within the ranges specified in Table II of this section (i.e., for the altitudes set out in the table), then any atmosphere-supplying respirator may be used.
1910.134(d)(2)(i)
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1910.134(d)(2)(iii) All oxygen-deficient atmospheres shall be considered IDLH.
Citation 2 Item 2  Type of Violation:  Repeat

29 CFR 1910.151(c): Where employees were exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body were not provided within the work area for immediate emergency use:

On or about August 30, 2011, the employer did not ensure that eyewash and shower stations had clear access for employee’s immediate emergency use. Two eyewash and shower stations located in the X-ray building had there access block and were not maintained in a clean ready to use condition. This condition exposed employees to the hazard of chemical burns.

a. The eyewash and shower station on the north end of the X-ray building is located near the sulfuric acid supply and was block by a large tank of antifoaming agent.

b. The eyewash and shower station closest to the mixers was blocked with pallets of sodium hydroxide.

Date By Which Violation Must be Abated:  12/27/2011
Proposed Penalty:  $10780.00
**Question 6:** Which provisions of the respiratory protection standard must be followed when an N95 filtering facepiece respirator is voluntarily used?

**Response:** If the employer allows employees to voluntarily use filtering facepiece respirators, the employer must follow the appropriate provisions in (c)(2). The employer must determine that such respirator use will not in itself create a hazard (i.e., by ensuring that masks are not used if dirty or contaminated and that their use does not interfere with the employee's ability to work safely). The employer also must provide the information in Appendix D to each voluntary wearer.
How often must hazardous materials recurrent training take place in accordance with 49 CFR?

1. Once every 3 years
2. Within 90 days after employment
3. Every 24 months

X X X X
Task Assessment: Safety Committee

Regulations Expert
Write Safety Program
Safety Inspections
Conduct Training
Paperwork
Chairperson
Responds to Complaints
(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g., Second degree burns on right forearm from acetylene torch)
No Cost Classes!

http://sustainablewp.org/class
bryan@sustainablewp.org
Use stories to emotionally involve your audience.

Echoes of Ship Breaking