Panel Discussion: Translating Current Animal Welfare Science into Best Practices to Diverse Audiences

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From Science to Practice: How Does it Work at the Farm Level?



J. Dairy Sci. 96:2671-2680 http://dx.doi.org/10.3168/jds.2012-5976 © American Dairy Science Association[®], 2013.

Dairy calving management: Description and assessment of a training program for dairy personnel

G. M. Schuenemann,¹ S. Bas, E. Gordon, and J. D. Workman Department of Veterinary Preventive Medicine, The Ohio State University, Columbus 43210

Science-Based Practice



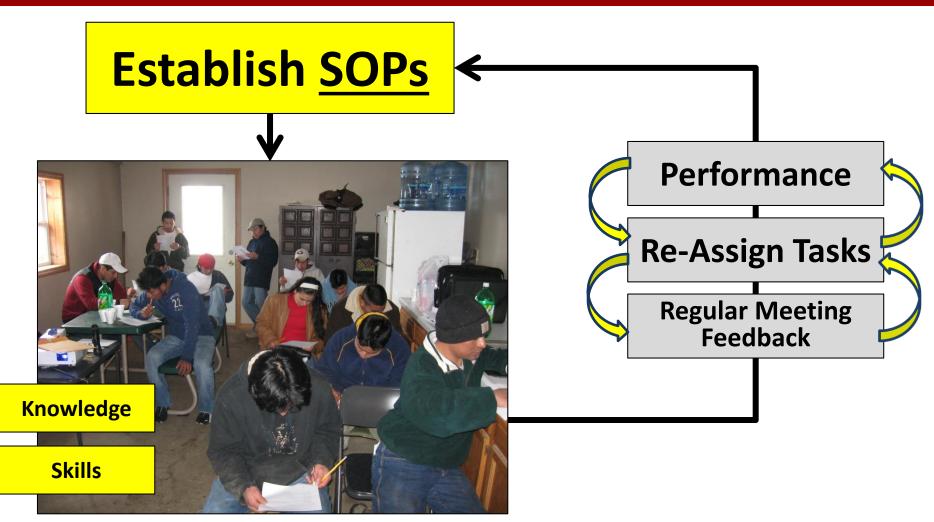
•Format •Timing Retention Attendance •Follow up •Literacy •Language

Reading **Synthesis** Comprehension Practice Application

Teaching

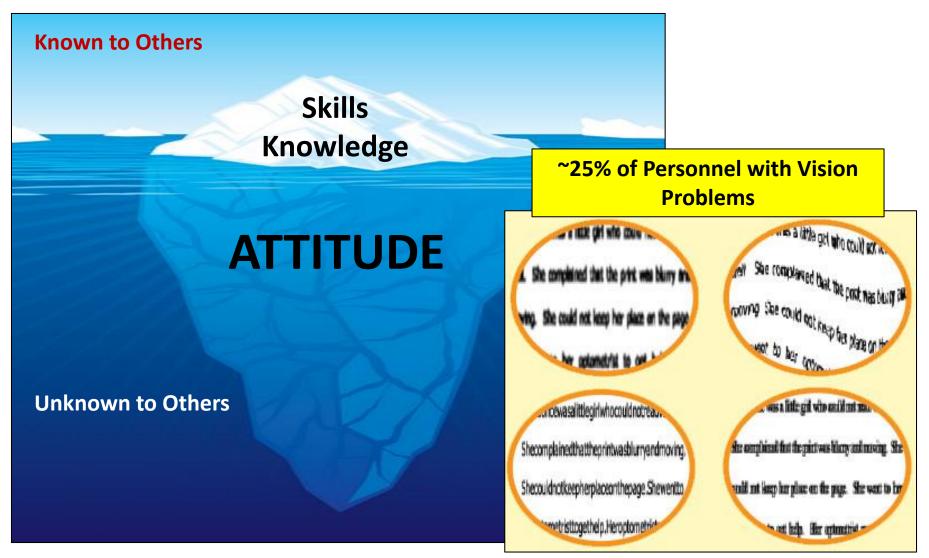
--PROTOC

How to Build & Monitor Effective Teams?



Hands-on Training

Where is the Problem?



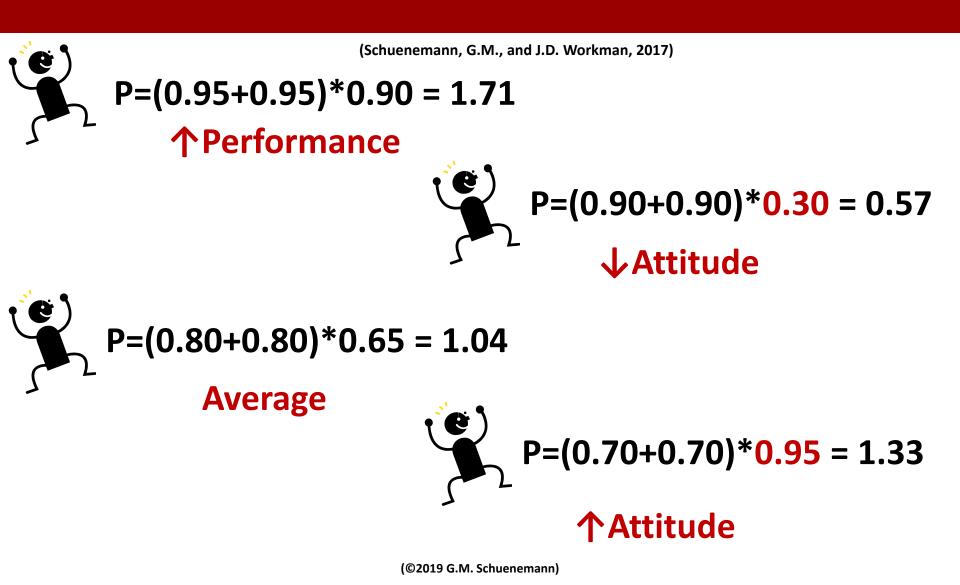
(Source: http://www.cdc.gov/visionhealth/about/resources.htm)

Teamwork Matters for Performance

(Schuenemann, G.M., and J.D. Workman, 2017)

Worker Performance) = (K + S)*A Skills Knowledge Attitude

Scoring Performance (0-2 points)



What Problem Needs to be Addressed to Improve Your Work?

(feedback from 2,900 workers, 450 dairy herds, and 11 US states)

(Schuenemann et al., 2017 ADSA)



Training Program Integrated with Facilities and Consistent with Established Protocols







(Courtesy of Dr. S. Garcia)

Bedding Management and Cow COMFORT: 个DMI and 个Milk (~3 kg/d)

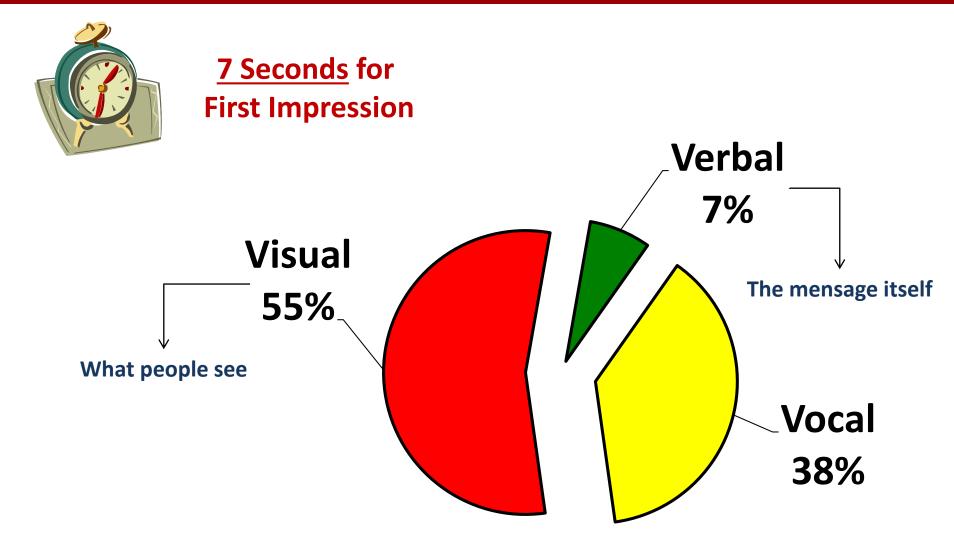
(Biological Response Trail; Gorgerino and Schuenemann, 2018)



Proper Animal Handling Practices



Most Communication Is Non-Verbal



"System-in-Place" with Emphasis on Prevention and Continuous Improvement

- **PRODUCTIVITY**: COMFORT and HEALTH
- <u>BEST WELFARE</u>: Integrated facilities and management (people and protocols) with COMFORT and HEALTH ... good life for animals!
- Positive "people-animal" interactions





- 1) Cultivating a <u>positive work culture</u> by ensuring that best dairy welfare practices are incorporated into the values and mission of operations
- 2) Improving the "working environment"

Break room and food Work clothing Housing Time-off Learning opportunities



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THANK YOU!

