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Behavior Based Safety BPS 2323

Identifying Critical Behaviors

by

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Chapter Description

At the end of this chapter, student should be able to explain about D.O.I.T process, S.O.O.N and ABC model in BBS approach.

Expected Outcomes

Students able to explain:

- How to conduct BBS program in workplace
- What to emphasize when performing behavioral observation
- When to apply ABC model

References:

1. Geller, E.S. (2001). “Working Safe, 2nd ed”. Lewis Publishers.
2. Geller, E.S. (2005). Behavior-Based Safety and Occupational Risk Management. *Behavior Modification*. 29(3):539-561.



Content

- ❑ Introduction of
- ❑ BBS approach (D.O.I.T)
- ❑ Behavioral Observation
- ❑ ABC Model



Introduction

How to Change Behavior?

Quick – fix for safety? **X**

Safety requires...



Continuous
improvement process

Ongoing and
comprehensive
involvement



BBS Approach

D

Define

Critical
Target
Behavior (s)

O

Observe

To identify

- Natural environment
- Social factor

that *influence* target behavior

I

Intervene

**To change
behavior**

**in desired
direction**

T

Test

**Continue
observe –
record**
the target behavior

to test the impact

Benefit of D.O.I.T

Can define..

1. Desirable behaviors to be encouraged
2. Undesirable behavior to be changed

The Focus of D.O.I.T Processes

are depends on



Interview with Workers

- Discuss with workers on how they performing their jobs
- Workers know already the available hazards in their workplace.
- Workers also know what they need to do to avoid injury.
- They know which safety policy or procedures that sometimes ignored.

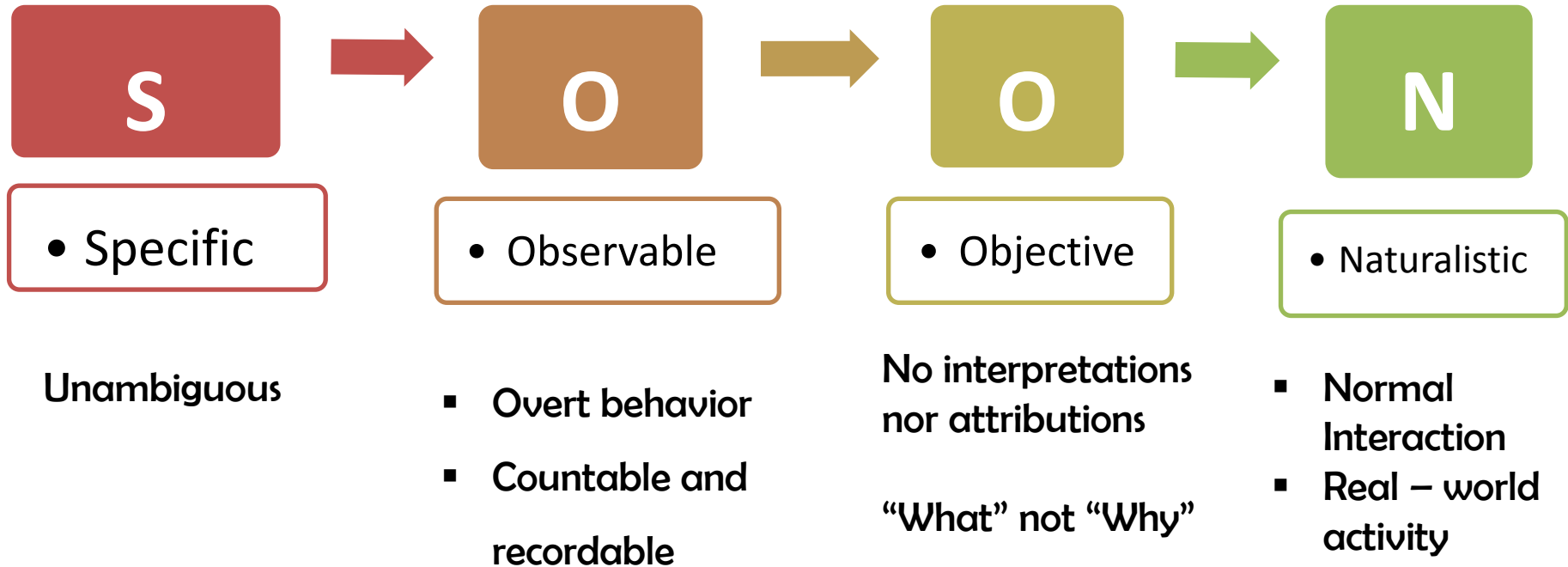
Reviewing Safety Related Documents

To discover

Critical Behavior



Behavioral Observation





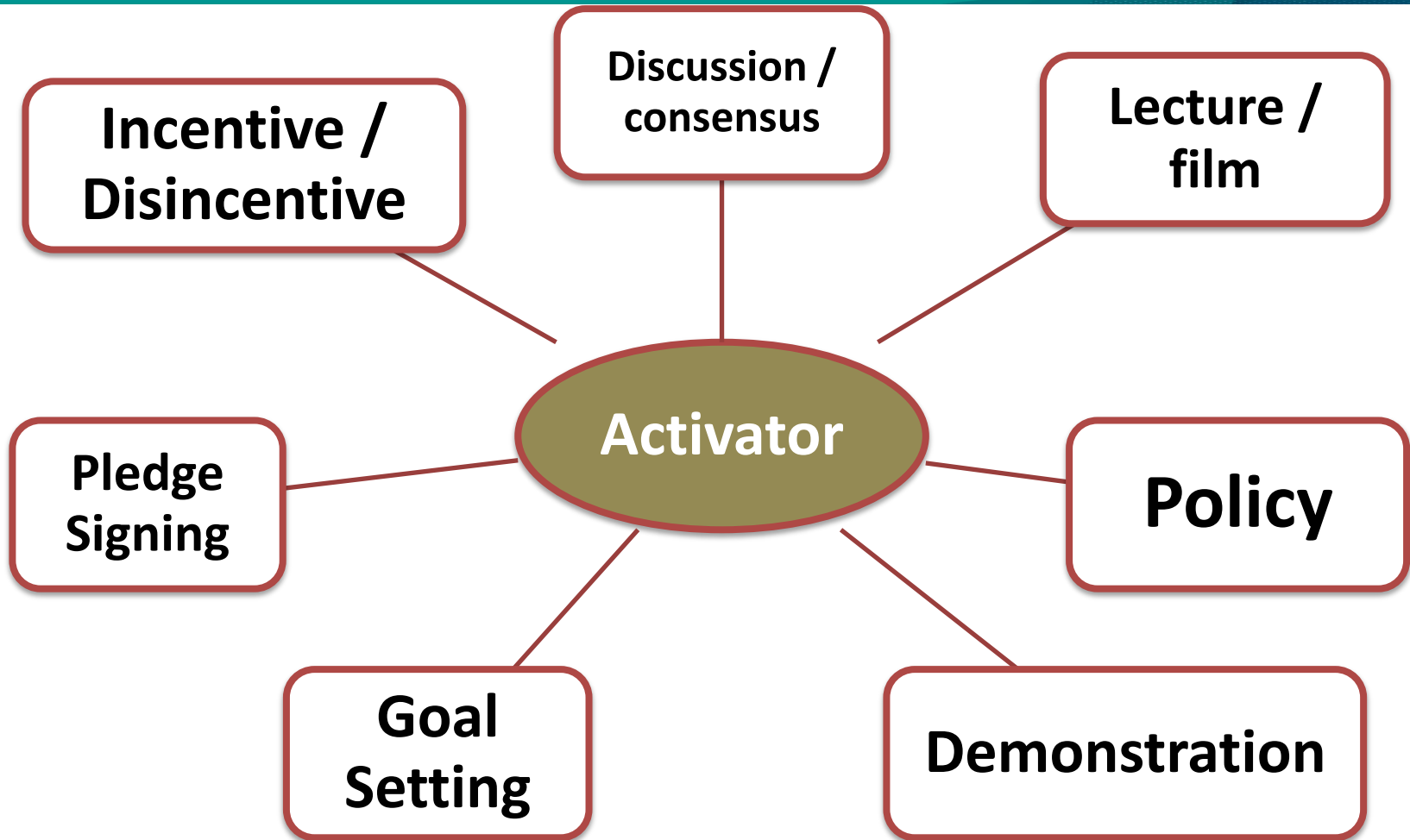
How to develop behavior change intervention?



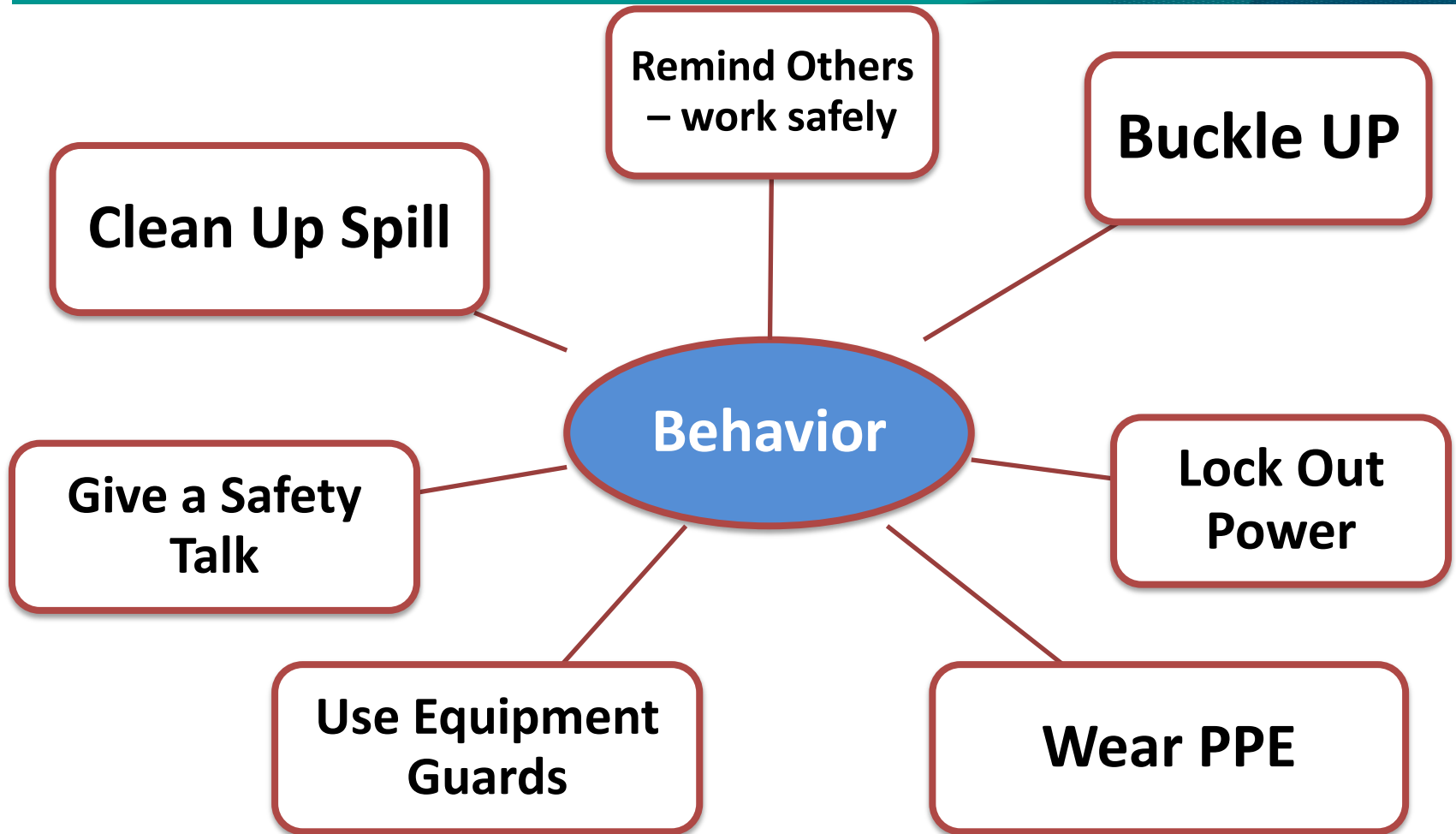
ABC Model



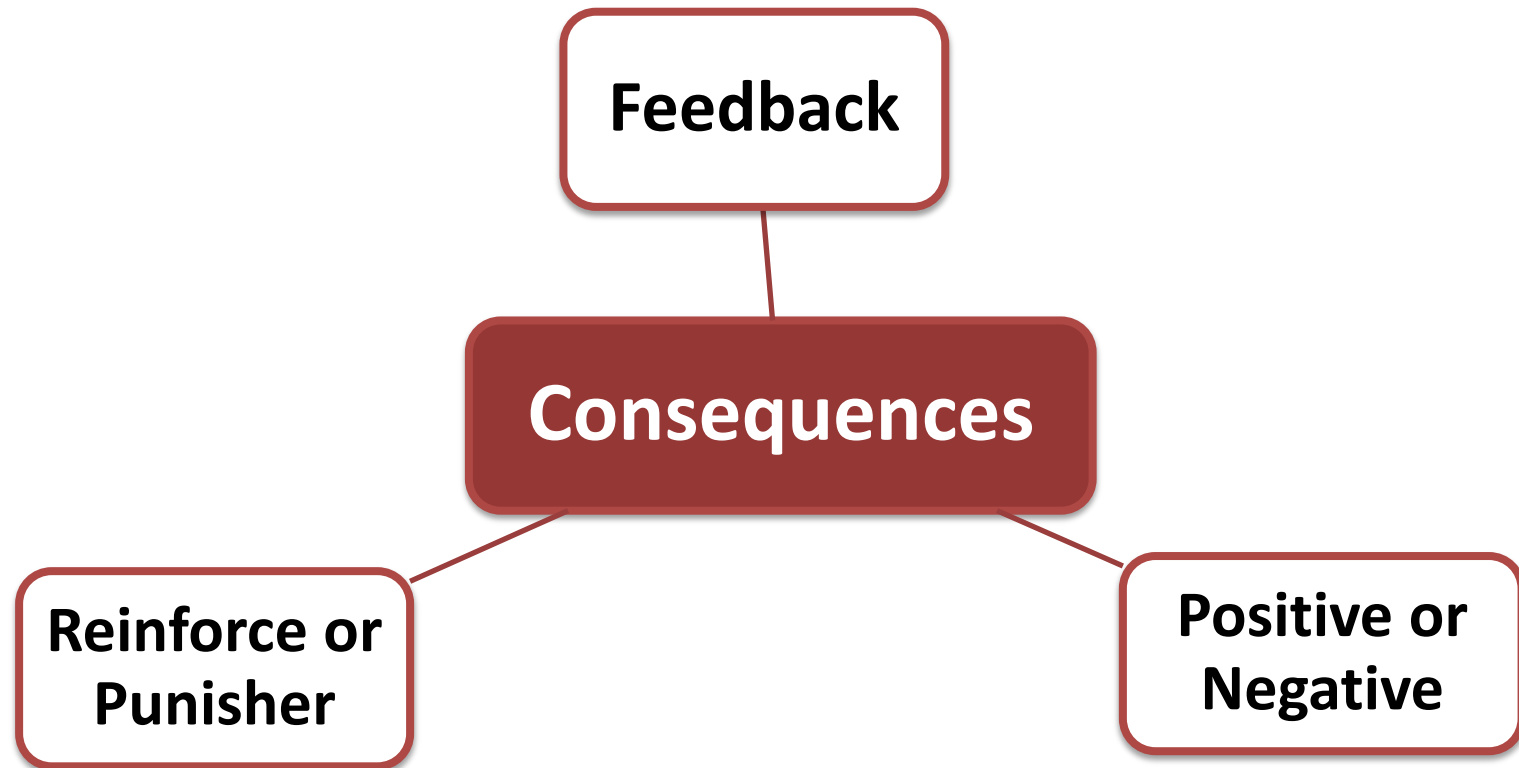
ABC Model



ABC Model



ABC Model



Critical Behavior Checklist

Name of Activity			
Other factors that may influence (environmental, workplace condition etc..)			
Target Behavior	Safe	At- Risk	Comments
Totals:			

% safe observations: $\frac{\text{Total Safe Observations}}{\text{Total Safe Observations} + \text{At- Risk Observations}} \times 100 = \underline{\hspace{2cm}} \%$



Conclusion

Critical behaviors need to be identified, to make sure the observation and intervention process is smooth.

Critical behavior checklist can be used as BBS tool to identify critical behaviors

By using ABC model, effective consequences may be set up to develop workers' safe behaviors.



Thank You