Imitating Behavior: Do-As-I-Do Dog Training  
Children Train Dogs to Imitate Human Behavior.

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Introduction:  
• Dogs have been shown to have complex social interspecies interactions, learning through observing and replicating behavior.  
• Do-As-I-Do (DAID) training methods engage natural social learning skills of dogs, applying imitation learning to human behavior.  
• Evidence demonstrates dogs can apply learning skills to humans, observing, imitating, and recalling human behavior.  
• DAID training methods have been shown to have additional benefits when compared to clicker training methods alone in dog training.

Methods:  
• Set three goal foundational behaviors that the dog can perform solely based on voice command; ie: step on a platform, paw to target, nose to target, around a cone, jump, spin.  
• Set three goal generalizing behaviors that the dog/person can both perform; ie: hit bowling pin, step on a platform, paw/hand to target, around a cone, jump, spin.  
• Spend 10 days learning and practicing behaviors.  
• Day 1: Introduce child to concepts of canine body language and practice skills such as sit, stay, and “watch me” to teach dog to observe the child.  
• Days 2-4: Practice previous behaviors and introduce the three foundational behaviors.  
• Days 5-6: Practice previous behaviors and introduce the generalizing behaviors.  
• Days 7-8: Practice previous behaviors and introduce DAID for three foundation behaviors – child performs behavior and says “do it” while using supporting hand signals (Training Phase 1).  
• Days 9-10: Practice Phase 1 until dog anticipates behaviors, then move onto next phases. Phase 2 uses voice commands only to instruct behaviors. Generalization Phase applies DAID to the learned generalization behaviors.  
• Day 10: If dog is ready, enter Test Phase, where child performs a new, unfamiliar behavior, such as stand in hula hoop, and asks dog to “do it”.

Results:  
• Out of the six dogs included in the Portland study, five reached Phase 1 of the DAID training. The one dog who was unable to reach Phase 1 was the youngest dog in the group and struggled to stay focused, regardless of incentives.  
• One dog reached the Test Phase, performing unfamiliar behaviors, such as step on basket, after observing the child perform them.

Discussion and Conclusion:  
• Overall, most dogs in the study were able to perform some level of DAID imitation-based behaviors. With more time, researchers believe additional dogs likely would have reached the DAID training Test Phase.  
• Using positive reinforcement training, dogs learned new tricks and to imitate human behavior within 10 days, supporting DAID as an effective training strategy.  
• Future research could examine if imitating behavior relies on a human-dog bond by asking a DAID trained dog to observe and imitate a stranger.

Focus:  
• Assisting with DAID training of children and dogs throughout a 10-day camp in Portland, Oregon.  

• Six children and dog pairs were included in the camp.

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References  
Images used do not show Portland participants.

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