

## The Intangible Accommodation Axiom

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Dr. Russell Barkley's executive function construct and AttentionScope®, a lens to bring tangibility to Dr. Barkley's model, are the foundational elements needed for a new field of engineering and a new ADHD paradigm called Cognitive Ergonomics From the Inside Out™ (CEFIO).

Cognitive Ergonomics From the Inside Out™ transforms abstract concepts of cognition into tangible phenomena, revealing causal relationships around intangible accommodations that alter our perspective around how to accommodate those with executive function impairment.

Using foundational truths in the context of CEFIO, we are able to use deductive reasoning to produce a new, objectively sound axiom, validating the purpose of CEFIO.

- ADHD is an executive function impairment.
- Executive functions are a collection of mind tools used in goal-directed behavior over time to solve problems.
- Problems that require executive functioning are typically multifaceted and ambiguous, involving multiple variables and uncertain outcomes.
- Planning, organizing, managing time, and making decisions are typically multifaceted and ambiguous, especially in real-world contexts.
- Given that ADHD is an executive function (problem-solving) impairment, it explains why those with ADHD have difficulty with planning, organizing, managing time, and making decisions.
- The leading view in cognitive science is that language evolved as a tool to coordinate social behavior and solve shared problems.
- Direct communication and collaboration are fundamental mechanisms by which humans solve complex problems, especially those requiring shared understanding and coordinated action.
- Given that ADHD is an executive function impairment, direct communication and collaboration can serve as effective accommodations to support problem-solving challenges.
- This framework reframes direct communication not as a courtesy or preference, but as functionally necessary support for individuals with executive function impairments, including ADHD. When viewed through this lens, such interaction can be considered a form of cognitive accommodation. This perspective has meaningful implications for advocacy and policy development, as well as educational practice, and aligns with the spirit of the Americans with Disabilities Act (ADA) that requires reasonable accommodations for cognitive impairments in school and workplace settings.

This revolutionary new paradigm and resulting axiom transforms invisible struggles into observable truths—redefining what real support looks like for those with executive function impairments.

***Cognitive Ergonomics From the Inside Out™ doesn't just offer insight. It demands a new standard of care, a new approach to removing barriers for individuals to flourish.***