

Working With Children Who Stutter

Accounting For Comorbid Disorders



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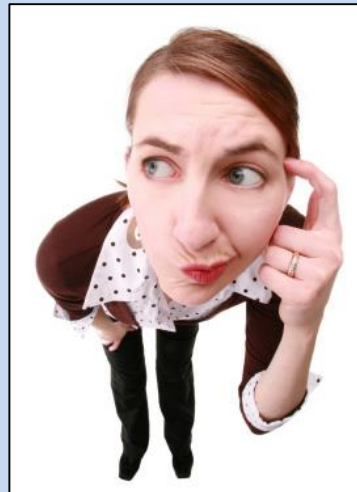
What I hear

My son has Autism and stutters on the last word in the sentence. His therapists *has never seen that before. Have you?*

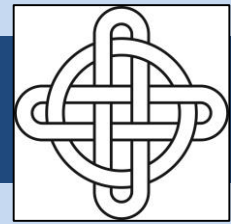
I'd love *to try but I'm not sure* if intervention would do any good. The stuttering is the least of her problems.

I am at a loss with a kid I just evaluated. He is 10 with diagnoses of anxiety, TS, and epilepsy in addition to severe stuttering. *What should I do?*

My 15 year old boy stutters with ADHD. He *never remembers* to use his speech techniques and he *refuses to practice* at home.



Linked with Disfluencies



- Prader-Willi Syndrome
- Down's Syndrome
- Expressive/receptive Language Disorder
- Phonological Disorder
- Asperger's Syndrome
- Intellectual Disability
- Turner Syndrome
- Auditory Processing

- Attention Deficit - Hyperactivity Disorder
- Fragile X
- Neurofibromatosis
- Autism Spectrum Disorder
- Acquired Neurological Disorders
- Prader-Willi Syndrome
- Tourette Syndrome

But our lady
said it was
stuttering...not
fluency or
disfluency!

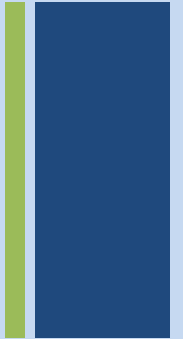


Differential Diagnosis

	Typical Disfluencies	Stuttering	Atypical Disfluencies
Type of Behavior	<ul style="list-style-type: none"> • Whole-word & phrase reps • Sentence Revs. • Interjections/Fillers 	<ul style="list-style-type: none"> • Whole & part word reps • Prolongations • Blocks 	<ul style="list-style-type: none"> • Whole or part word reps • Sound prolongations • Sound insertions
Location of Behavior	<ul style="list-style-type: none"> • Primarily between words 	<ul style="list-style-type: none"> • Within words • Typically initial position • Tendency to cluster 	<ul style="list-style-type: none"> • Medial or final position
Frequency	<ul style="list-style-type: none"> • < 10% of Syllables 	<ul style="list-style-type: none"> • > 4% of syll. • 2x as disfluent • Noticed >10% 	?
Duration	<ul style="list-style-type: none"> • 1-2 Repetitions 	<ul style="list-style-type: none"> • 3 < Reps • Truncated pauses between reps 	?
Reactions	<ul style="list-style-type: none"> • Typically no reactions & min. awareness 	<ul style="list-style-type: none"> • Secondary behs • Avoidances • Fears/Anxiety 	<ul style="list-style-type: none"> • Typically no reactions & min. awareness



Clinical Questions

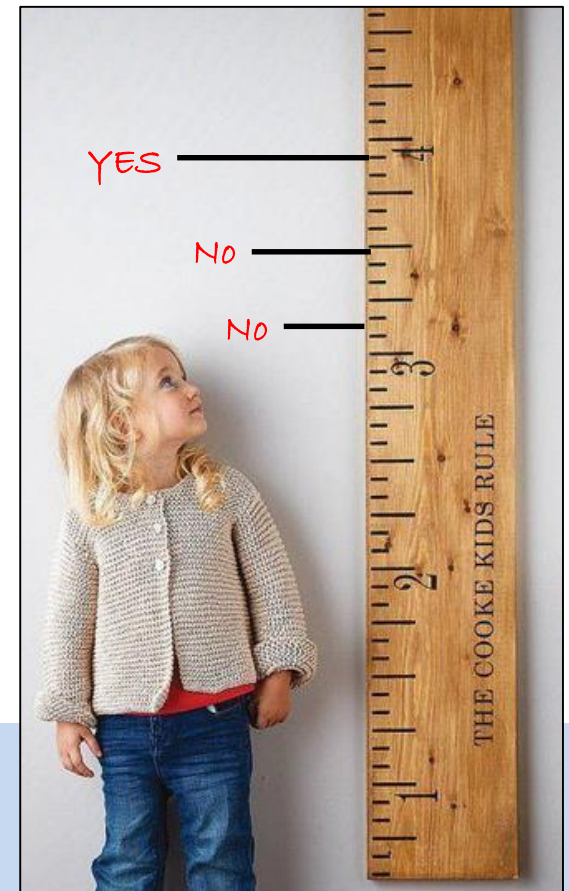


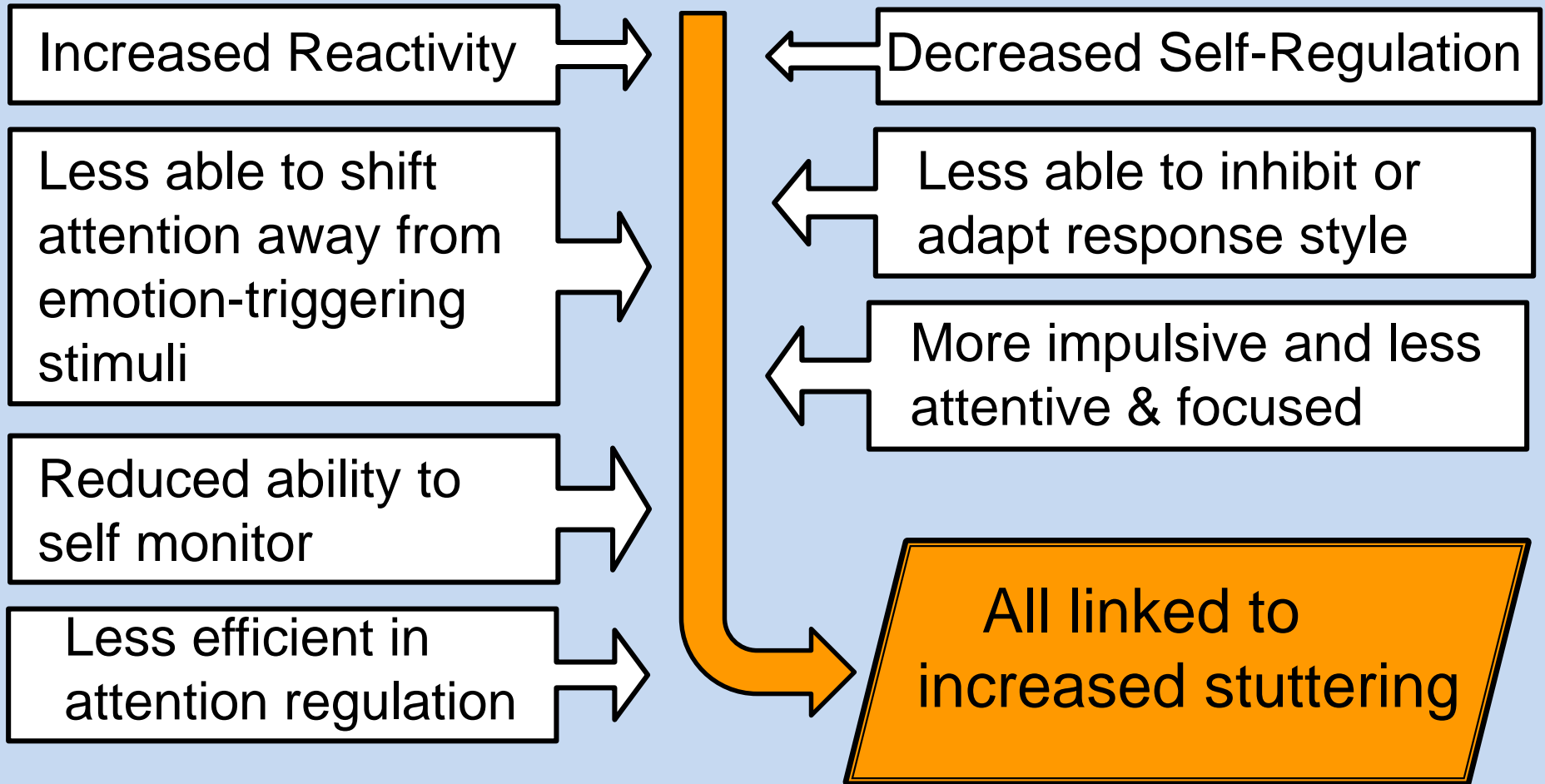
- What characteristics does the child present with that appear to be negatively impacting his *ability* or *desire* to communicate?
- How do these characteristics impact the therapy process?
- What can be done to minimize the impact?

+ Clinical Versus Subclinical

Subclinical behaviors are detectable but not at the clinical level to warrant a diagnosis

- Not high enough to meet diagnostic criterion
- May still impact functioning
- May still need to be addressed





Specific Characteristics

Result in Disfluencies

- Whole-word reps
- Phrase-reps
- Revisions
- Fillers
-
- Part word reps
- Prolongations
- Blocks

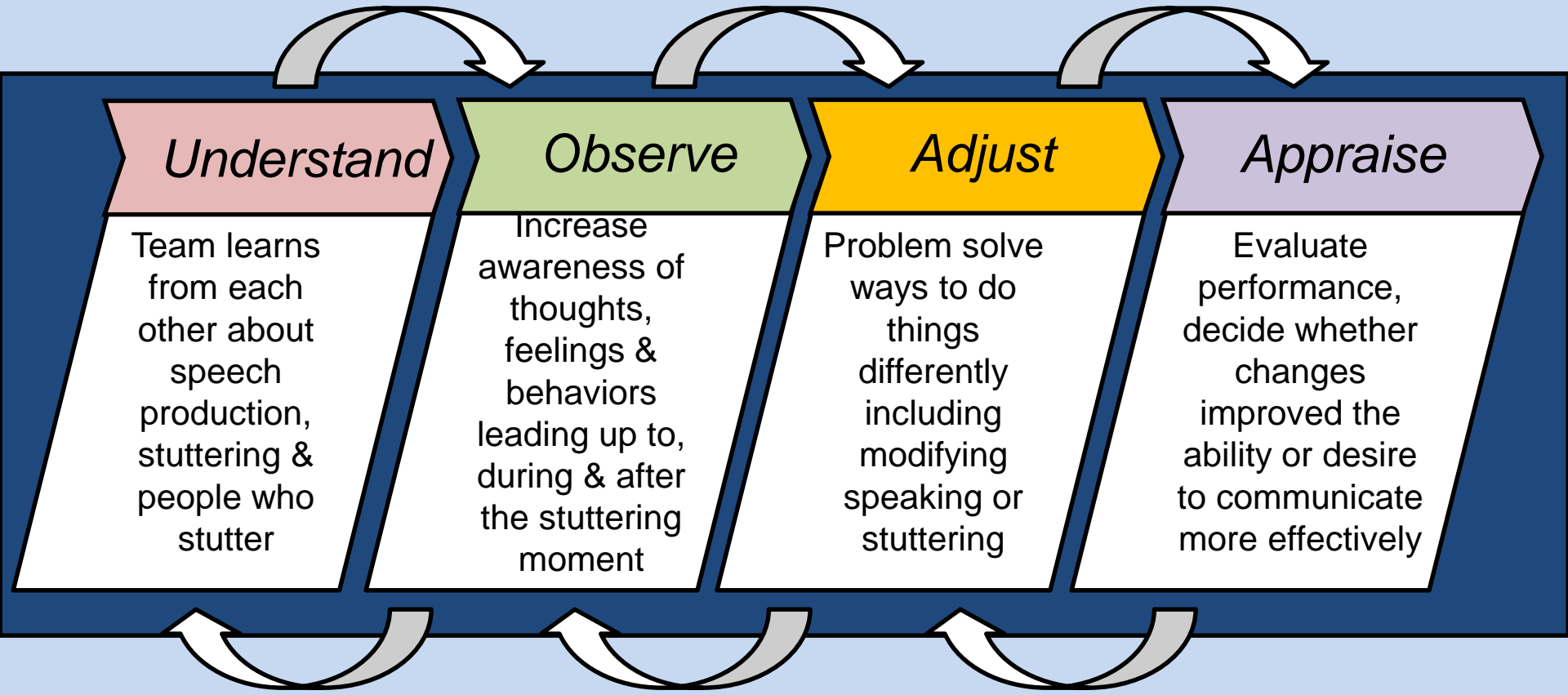
Exacerbate Stuttering

- Increased rate
- Longer utterances
- Impulsivity
- Inflexible thoughts
- Social concerns
- High reactivity

Impact Fluency Management

- Struggles to retain information
- Reduced ability to monitor & appraise performance
- All/nothing thinking
- Not following through
- Forgetful

Intervention



Common Roadblocks - Attention

- ✓ Focus
- ✓ Attending
- ✓ Distractibility
- ✓ Memory
- ✓ Organization
- ✓ Listening

- Child does not appear to be listening or comprehending what is being said
- Child gets distracted from monitoring spontaneous performance
- Child appears disengaged
- Child forgets to do home assignments

Understand

Observe

Adjust

Appraise

Accommodations - Attention

- Repeat directions/information and ask the child to repeat them back
- Start monitoring “externally to internally” and along a hierarchy
- Incorporate topics that are interesting & motivating to the client
- Require daily charting as part of the assignment
- Establish rules for parental reminders

Understand

Observe

Adjust

Appraise

Common Roadblocks - Behavioral

- ✓ Self - Regulation
- ✓ Energy
- ✓ Emotionality
- ✓ Excessive talking
- ✓ Impulsivity
- ✓ Anxiety
- ✓ Impulse control

- Child struggles to sit still or remain in chair
- Child frequently interrupts others
- Child “won’t” use techniques
- Child is anxious about interacting with anyone

Understand

Observe

Adjust

Appraise

Accommodations - Behavioral

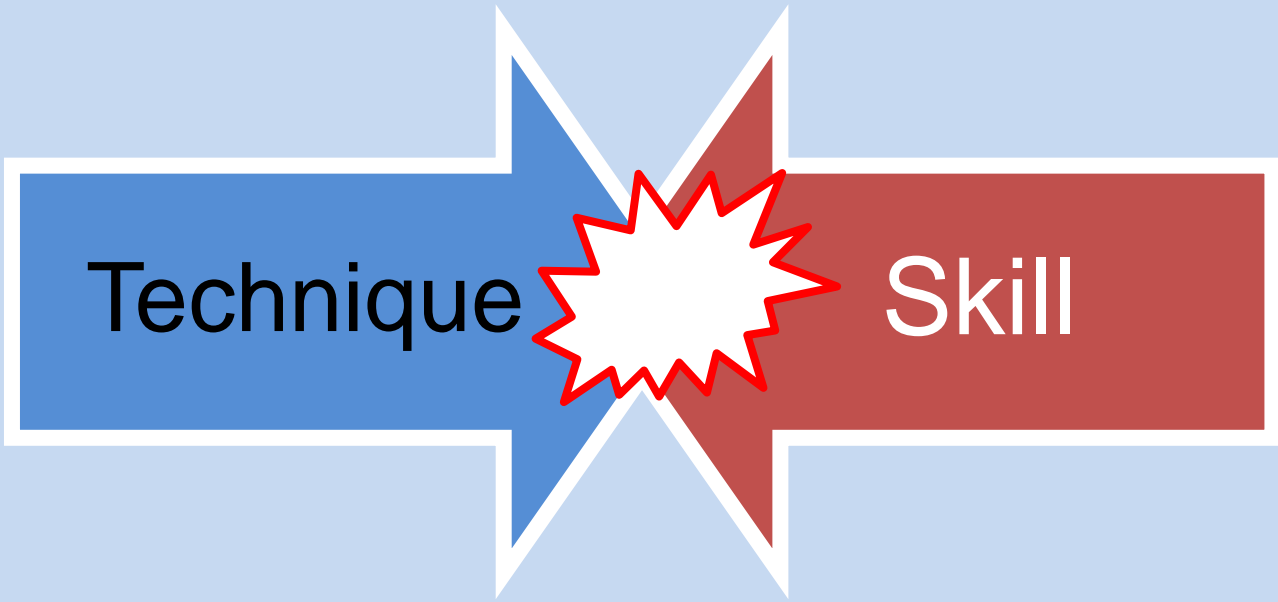
- Shorter work periods with breaks between
- Built in rewards to motivate
- Behavior contracts
- Focus on increasing communicative effectiveness with functional outcomes
- Discuss the difference between technique and skill

Understand

Observe

Adjust

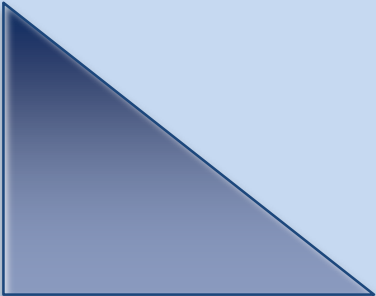
Appraise



Technique
The way to perform a task

Skill
Proficiency of performing with minimum effort and maximum certainty that is developed through training or experience

Ability
An individual's potential or capacity for acquiring a skill based on inherited, individual traits that underlie learning



Common Roadblocks - Cognitive

- ✓ Following directions
- ✓ Retention
- ✓ Planning
- ✓ Concentration
- ✓ Problem solving
- ✓ Inflexible thinking

- Child is not following the activity or appears unaware of what to do
- Inconsistent performance or quickly forgets things
- Child struggles with analyzing situations

Understand

Observe

Adjust

Appraise

Accommodations - Cognitive

- Clear & concise directions
- Use visual reminders
- Model, model, model
- Role play with analysis
- Clear and concrete goals



Understand

Observe

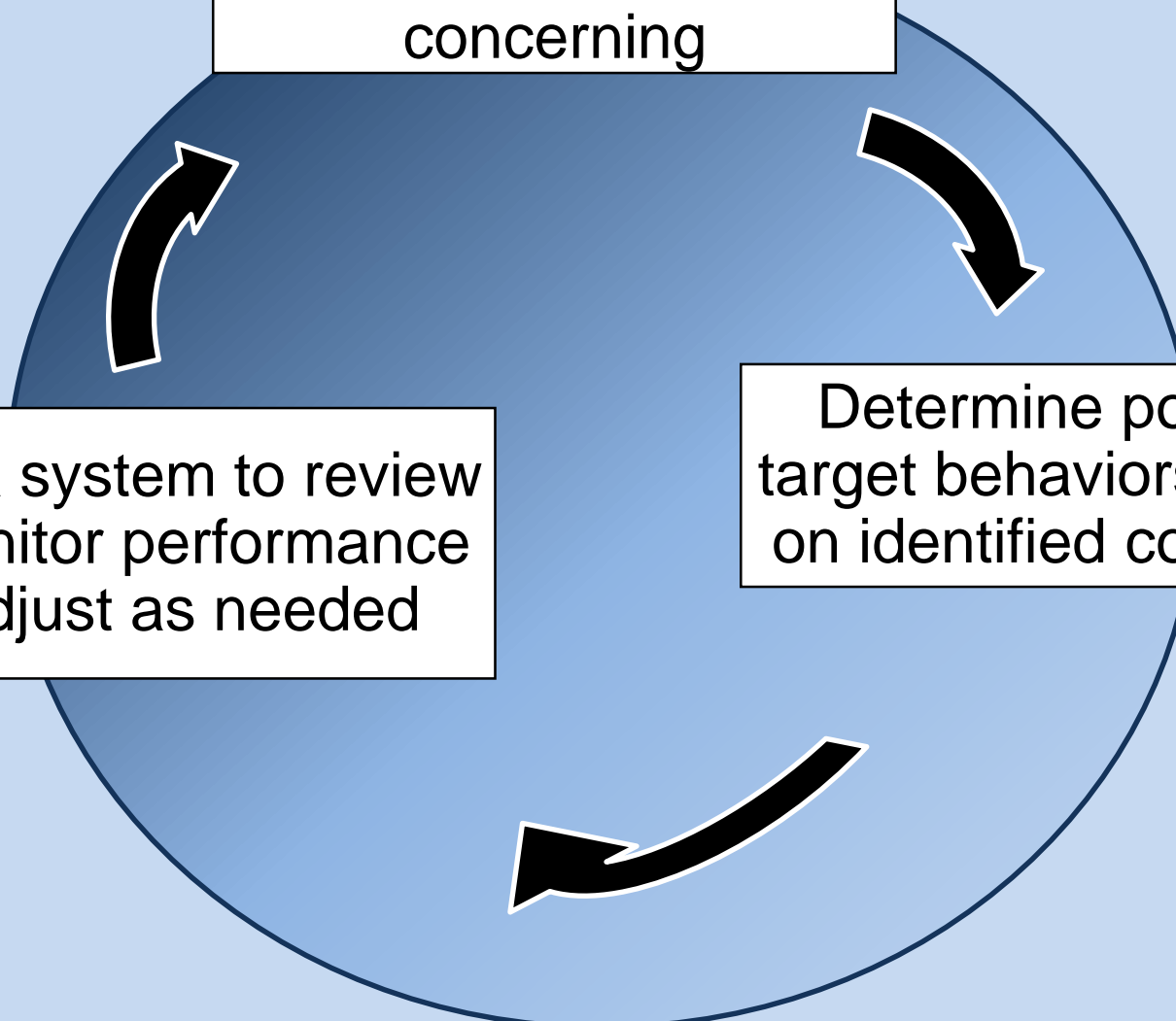
Adjust

Appraise

Identify specific characteristics that are concerning

Determine positive target behaviors based on identified concerns

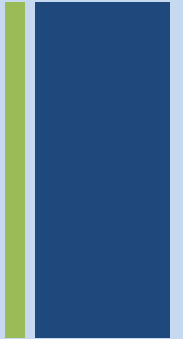
Create a system to review and monitor performance and adjust as needed





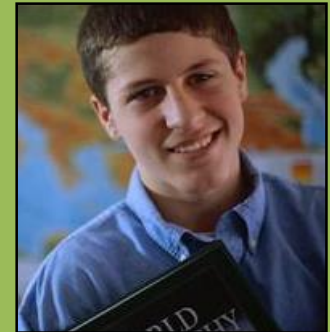
Conclusions

- Concomitant issues can negatively impact one's ability and/or desire to communicate effectively
- Disfluency patterns are common with various concomitant issues but that does not mean that stuttering is
 - Therapists must consider the nature of the disfluency to individualize intervention
- Subsets of CWS demonstrate elevated characteristics of inattention, impulse control and/or hyperactivity-impulsivity
 - Individual characteristics must be taken into account for treatment purposes





Thank You!



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