

# The Quiet Impact of Executive Dysfunction on Classroom Participation in Autism

**Ebony Holliday, Ph.D., NCSP**

Assistant Director, CASSI Community Programs

**Ericka Wodka, Ph.D., ABPP-CN**

Director, CASSI Clinical Operations

Associate Professor of Psychiatry and Behavioral Science, Johns Hopkins University SOM

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# Objectives

1. Participants will be able to define executive dysfunction and understand how it presents in autism.
2. Participants will be able to distinguish unique and overlapping features of autism and attention deficit/hyperactivity disorder.
3. Participants will be able to identify effective strategies to support academic, social, and behavioral functioning of autistic students without accompanying intellectual disability.

*Drs. Wodka and Holliday are being compensated by the WNYRCASD and The Summit Center and have no other financial or nonfinancial disclosures to report.*

# Autism Spectrum Disorder

DSM-5 (TR)

A. Social Communication

B. Restricted and  
Repetitive Patterns of  
Behavior



# Other Childhood Conditions can *Look Like* Autism (Rule-outs)

- Receptive/Expressive Language Disorder
- Attention Deficit/Hyperactivity Disorder
- Anxiety
- Intellectual Disability
- Learning Disability
- Tourette Syndrome
- Giftedness
- Many more...



# Other Childhood Conditions that *Come Along* with Autism (Co-occurring)

- Receptive/Expressive Language Disorder
- Attention Deficit/Hyperactivity Disorder
- Anxiety
- Intellectual Disability
- Learning Disability
- Tourette Syndrome
- Giftedness
- Many more...



# Attention Deficit/Hyperactivity Disorder (ADHD)

DSM-5 (TR)

- A. 6 or more symptoms of Inattention  
(e.g., careless mistakes, poor attention to detail, limited sustained attention, trouble following-through with instructions, distracted, forgetful, loses important items)
  
- B. 6 or more symptoms of Hyperactivity/Impulsivity  
(e.g., fidgety, overly active- out of seat, always on the move, cannot play quietly, talks excessively, difficulty waiting turn, interrupts others)

# How does Co-Occurring ADHD with ASD impact behavioral presentation?

- N=25,078
  - Ages 6-18
  - Males n = 19,681
  - Females n = 5,397
- Developmental and medical history
- Looked at social, RRBs, and motor

THE CLINICAL NEUROPSYCHOLOGIST  
<https://doi.org/10.1080/13854046.2021.1942554>

 **Routledge**  
Taylor & Francis Group



## Co-occurring attention-deficit/hyperactivity disorder and anxiety disorders differentially affect males and females with autism

Ericka L. Wodka<sup>a,b</sup>, Julia Parish-Morris<sup>c,d</sup>, Robert D. Annett<sup>e</sup>, Laura Carpenter<sup>f</sup>, Emily Dillon<sup>g</sup>, Jacob Michaelson<sup>h</sup>, So Hyun Kim<sup>i</sup>, Rebecca Landa<sup>a,b</sup>, the SPARK Consortium<sup>#</sup> and Stephen Kanne<sup>i</sup>



Scan to learn  
more about or  
join SPARK!



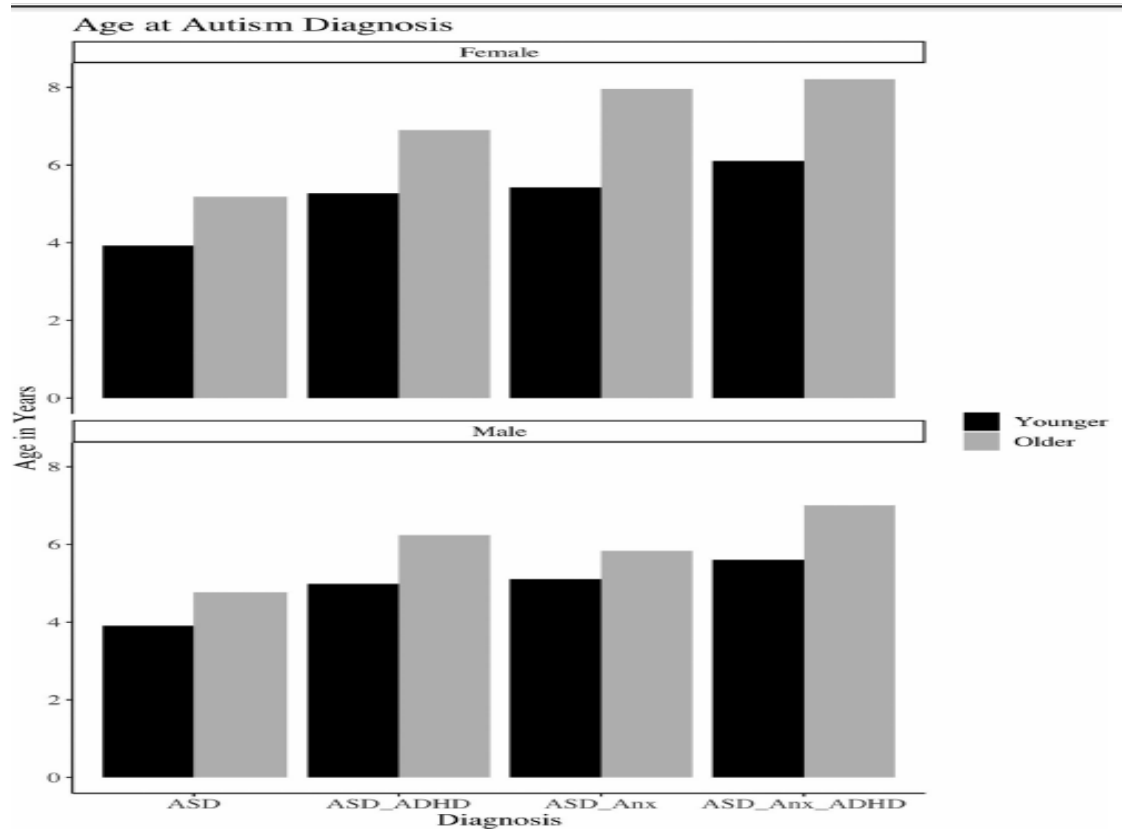
# Demographic differences

	Overall	ASD Only	ASD+ADHD	ASD+Anx	ASD+ADHD+Anx	Subgroup Difference
Sex distribution	N=25,078	N=10,804	N=7,707	N=2,045	N=4,522	
Female – N (%)	5,397 (21.5%)	2,536 (23.5%)	1,268 (16.5%)	595 (29.1%)	998 (22.1%)	$X^2 = 211.87^*$
Male – N (%)	19,681 (78.5%)	8,268 (76.5%)	6,439 (83.5%)	1450 (70.9%)	3,524 (77.9%)	
Sex ratio vs. ASD Only		Reference	More males*	More females*	ns	

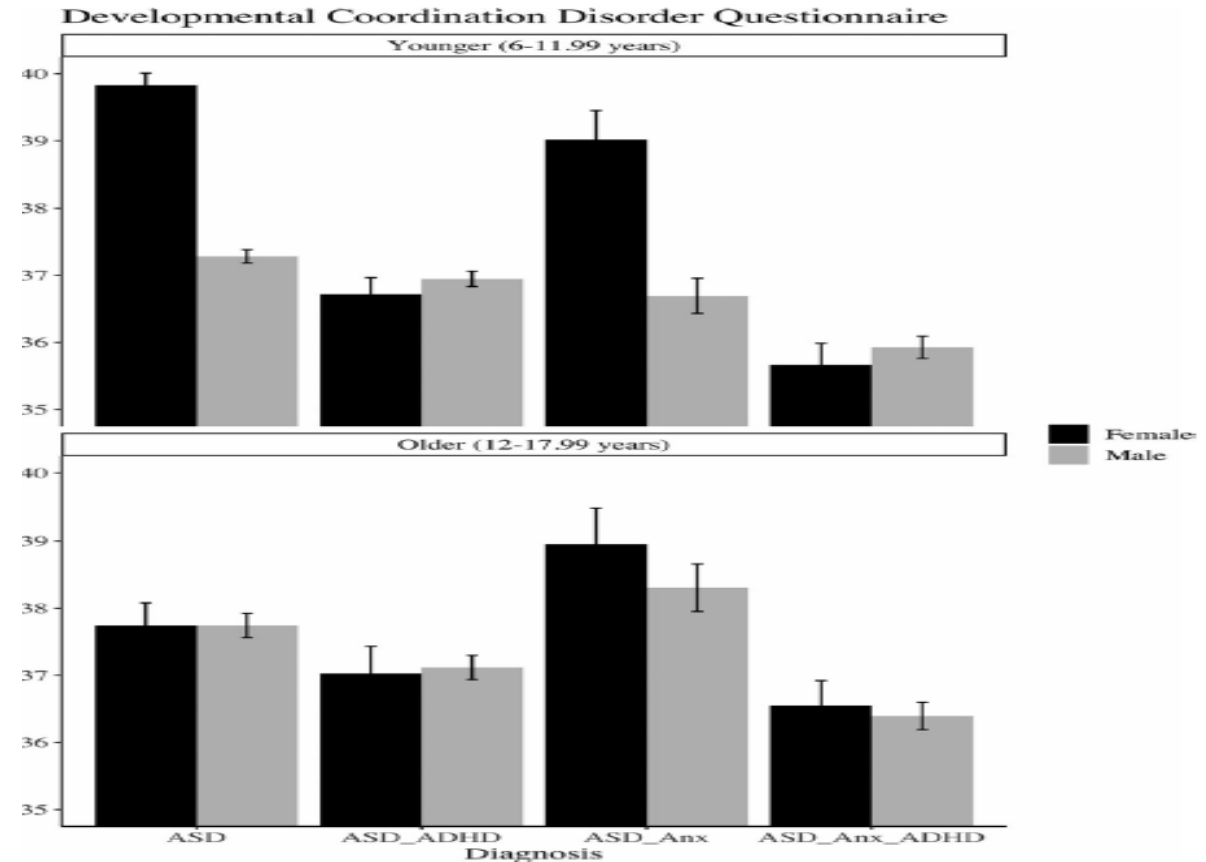


# ADHD Impacts Age of Diagnosis and Motor Skills

Increases the age of diagnosis  
From 4 to 6-8 years



Increases concerns for  
motor and coordination





## The co-occurrence of autism and attention deficit hyperactivity disorder in children – what do we know?

**Yael Leitner**<sup>1,2\*</sup>

<sup>1</sup> Child Development Center, Dana-Dwek Children's Hospital, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

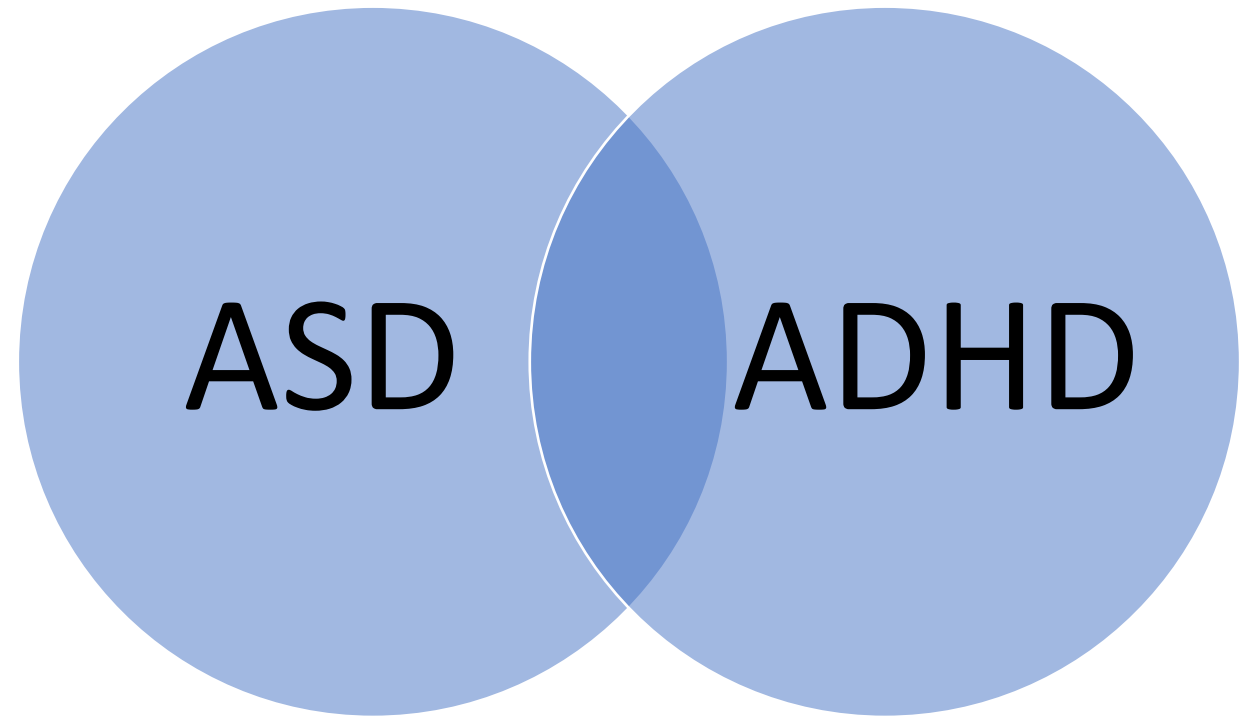
<sup>2</sup> Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

Research suggests that individuals with ASD + ADHD demonstrate greater challenges than a single diagnosis.

There is also preliminary evidence that ASD + ADHD may be less responsive to standard treatments for either disorder.

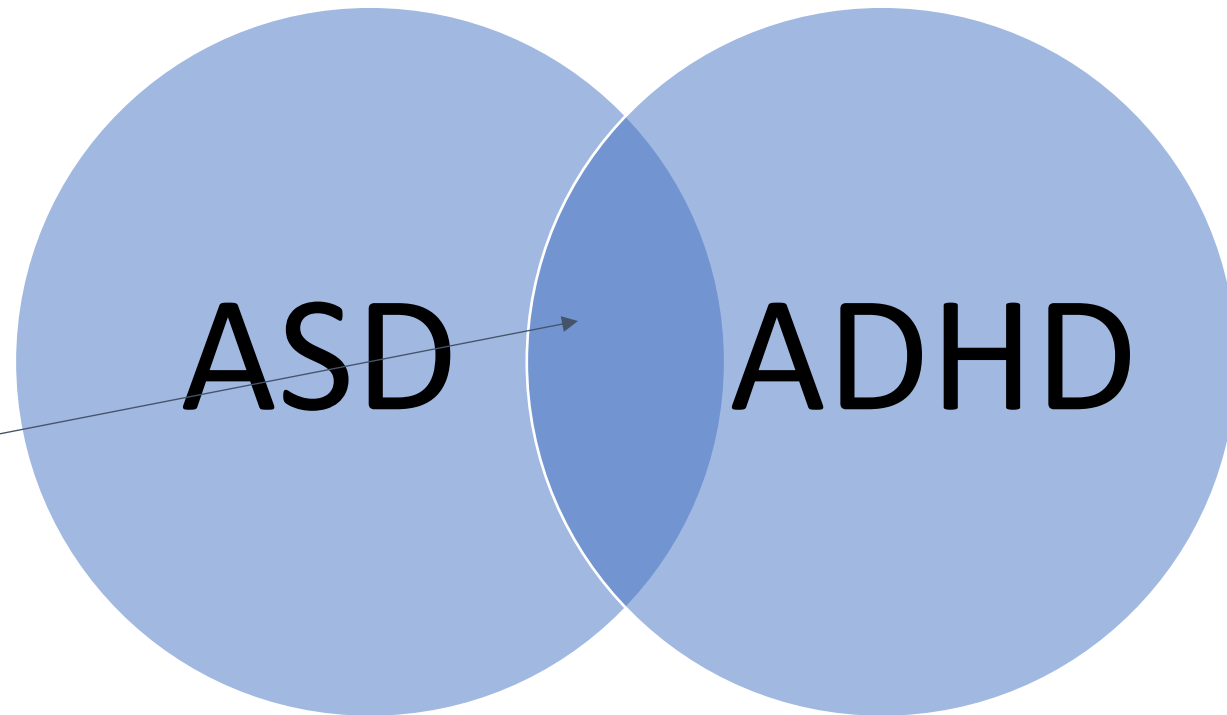
# Similar and Shared: Biological Factors

- Sex distribution (predominantly male)
- Genetics
- Brain involvement



# Similar & Shared: Behavioral Factors

- Social Difficulties
- Sensory & Repetitive Behaviors
- Executive Dysfunction
- Inattention
- Hyperactivity



# Social Difficulties: Similar but Different..

## Autism

- Limited nonverbal communication
- Limited spontaneous seeking to share enjoyment
- Limited social reciprocity
- Limited reciprocal play

## ADHD

- Interrupts and intrudes on others
- Difficulty listening when spoken to directly
- Talks excessively
- Difficulty playing quietly
- Difficulty sustaining attention to tasks or play

# Repetitive Behaviors: Similar but Different...

## Autism

- Stereotyped motor movements
- Lining up toys
- Flipping objects

## ADHD

- On the go, as if driven by a motor
- Taps hands or feet
- Trouble sitting still
- Messy or disorganized work

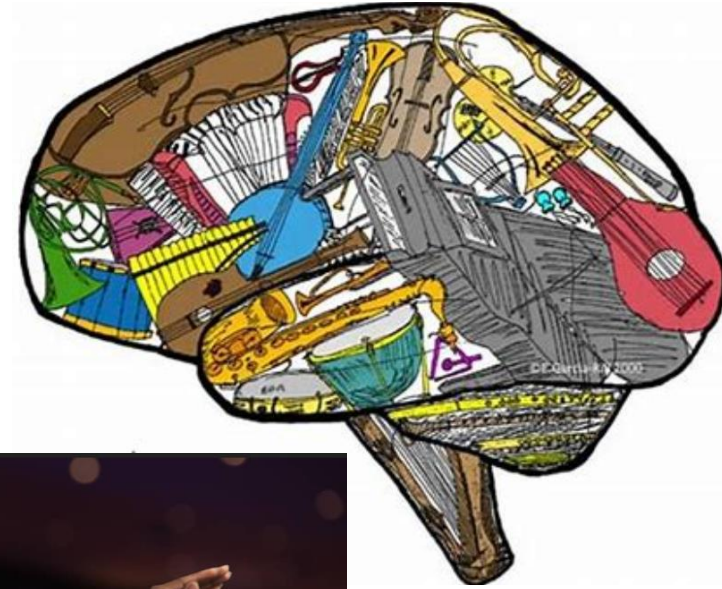
# Executive Functioning (EF)

It requires the ability to plan and sequence complex behaviors, simultaneously attend to multiple sources of information, grasp the gist of a complex situation, resist distraction and interference, inhibit inappropriate responses, and sustain behavior for prolonged periods

(Denckla, 1996).

“The curious dissociation between knowing and doing” (Teuber, 1964)

[OIP.aTcOQVseecM\\_4Ma4AfwSVwHaGE \(421x345\)](#)



# EF Subdomains (Powell & Voeller, 2004)

Cognitive Regulation	Behavioral Regulation	Emotional Regulation
<ul style="list-style-type: none"><li>• Attention regulation</li><li>• Goal setting/planning<ul style="list-style-type: none"><li>• Organization</li></ul></li><li>• Time management</li><li>• Novel problem solving<ul style="list-style-type: none"><li>• Flexible thinking<ul style="list-style-type: none"><li>• Judgment</li></ul></li></ul></li></ul>	<ul style="list-style-type: none"><li>• Task initiation</li><li>• Inhibition of automatic responses</li><li>• Sustaining effort<ul style="list-style-type: none"><li>• Impulse control/delayed gratification</li></ul></li><li>• Anticipation of future consequences of actions</li></ul>	<ul style="list-style-type: none"><li>• Modulation of emotional arousal</li><li>• Modulation of mood<ul style="list-style-type: none"><li>• Self-soothing strategies</li></ul></li></ul>



[https://youtu.be/iE4oCUsh5qs?si=NcA357A\\_i-3hDYSX](https://youtu.be/iE4oCUsh5qs?si=NcA357A_i-3hDYSX)

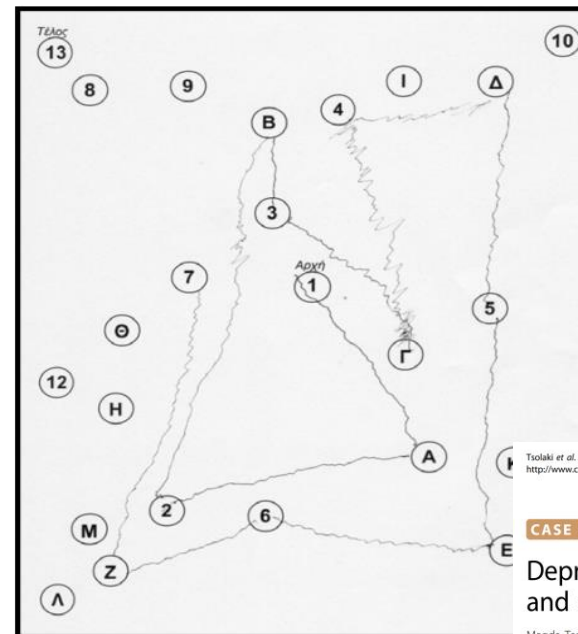
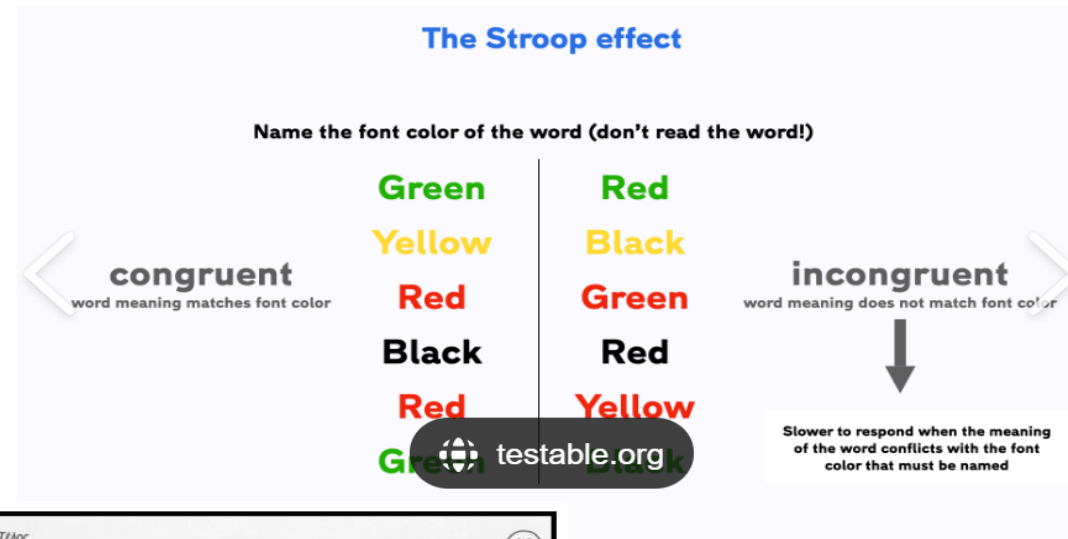


Book Report" from "You're a Good Man, Charlie Brown!" Trimmed

# How is EF measured?- Structured tasks

Tasks with clear rules that provide some degree of structure, often performance WNL

- **Verbal Inhibition:** Stroop tasks (e.g., D-KEFS Color-Word Interference, NEPSY-II Inhibition)
- **Verbal Fluency:** Word generation from category and letter cue (e.g., D-KEFS Verbal Fluency/Switching, NEPSY-II Word Generation)
- **Cognitive Flexibility:** Tasks where child has to switch between task demands (e.g., D-KEFS Verbal Fluency Switching, Inhibition Switching; Trail Making Tests)



Tsolaki et al. *Cases Journal* 2010, 3:47  
<http://www.casesjournal.com/content/3/1/47>



CASE REPORT Open Access

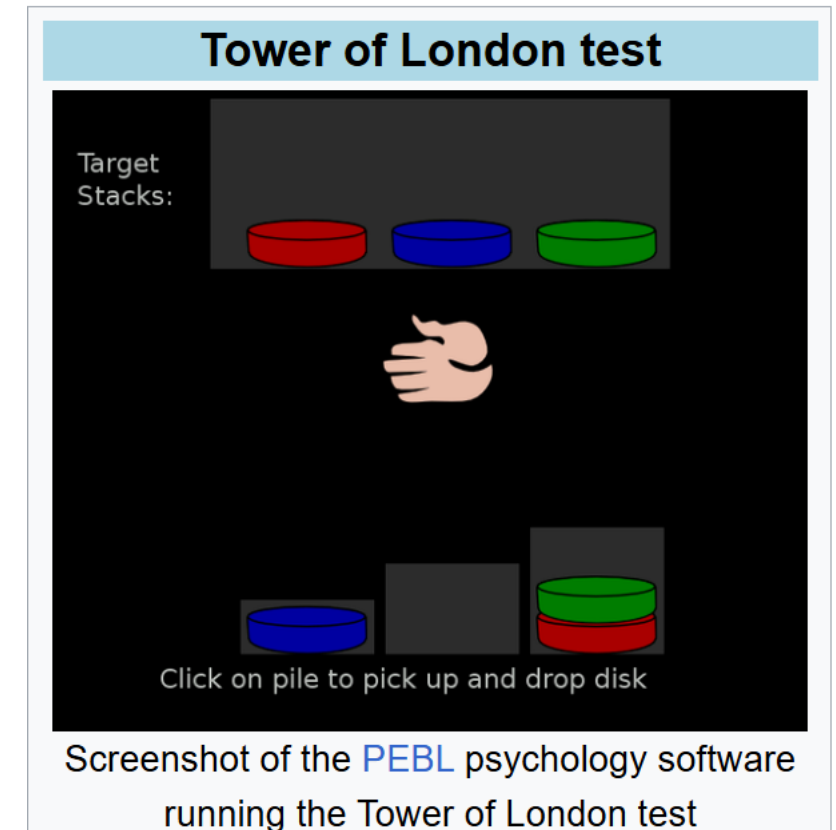
Depression, extrapyramidal symptoms, dementia and an unexpected outcome: a case report

Magda Tsolaki<sup>1,2\*</sup>, Chaido Z. Messini<sup>2</sup>, Marianna Siapera<sup>2</sup>, Foteini Fotiadou<sup>2</sup>, Dionysia Delaporta<sup>2</sup>, Athanasios Karatolias<sup>2</sup>

# How is EF Measured?- Unstructured tasks

Tasks with fewer rules/structure are more difficult for autistic youth and often they may arrive at the correct answer, but take a very inefficient approach. Providers of rely on interpretation of errors or process assessment to capture challenges.

- **Planning/Organization:** Rey Complex Figure, Tower tests

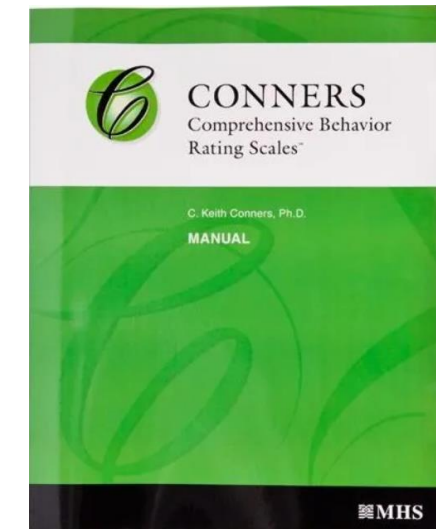
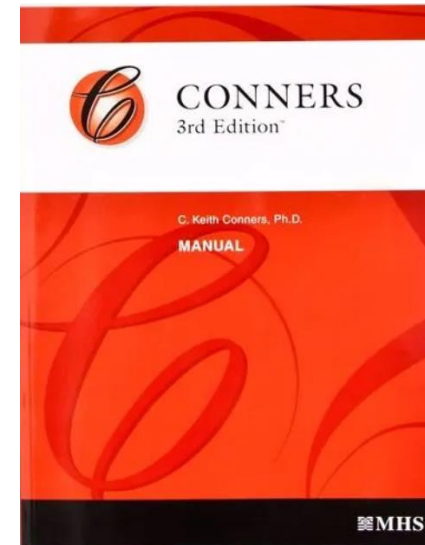


[Tower of London test - Wikipedia](#)

# How is EF Measured?- Parent report

Parent report measures assess multiple aspects of daily executive functioning and often identify multiple challenges

- **Detailed Assessment of Cognitive and Behavioral Daily Executive Functioning:** Behavior Rating Inventory of Executive Functioning (BRIEF-2)
- **Global Assessment of Executive Functioning within Broader Assessment of Behavioral/Emotional Functioning:** Conners-3, Conners Behavioral Rating Scales



# Why are Executive Functions important?

- Developing
- Critical to Learning and Independence
- Teachable
  
- Impact social and adaptive skills (functional outcomes)
  
- Often defines the line between can't and won't that parents/teachers try and understand. Where disability begins and ends.

# EF is controlled by the frontal lobes of the brain and dispersed functional networks throughout the brain

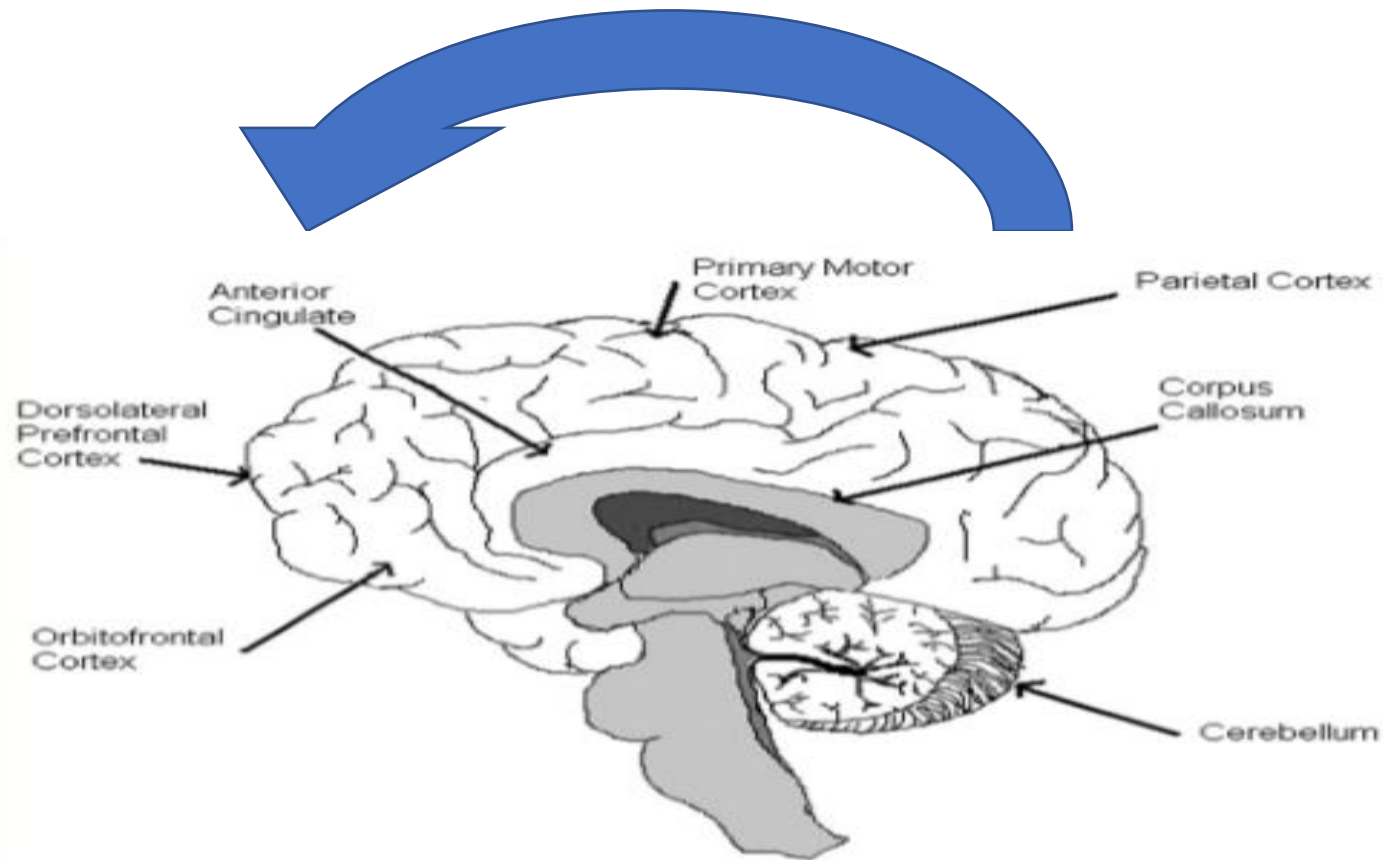
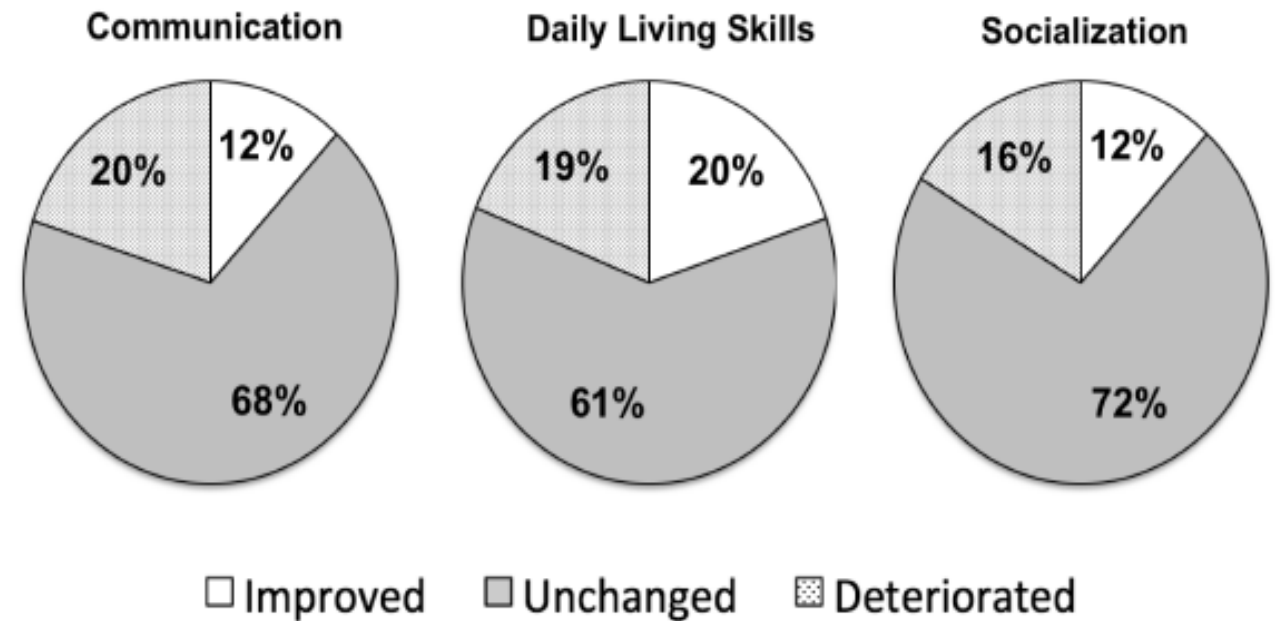


Figure 1. Diagram of prefrontal cortex and related structures.

Powell & Voeller 2004

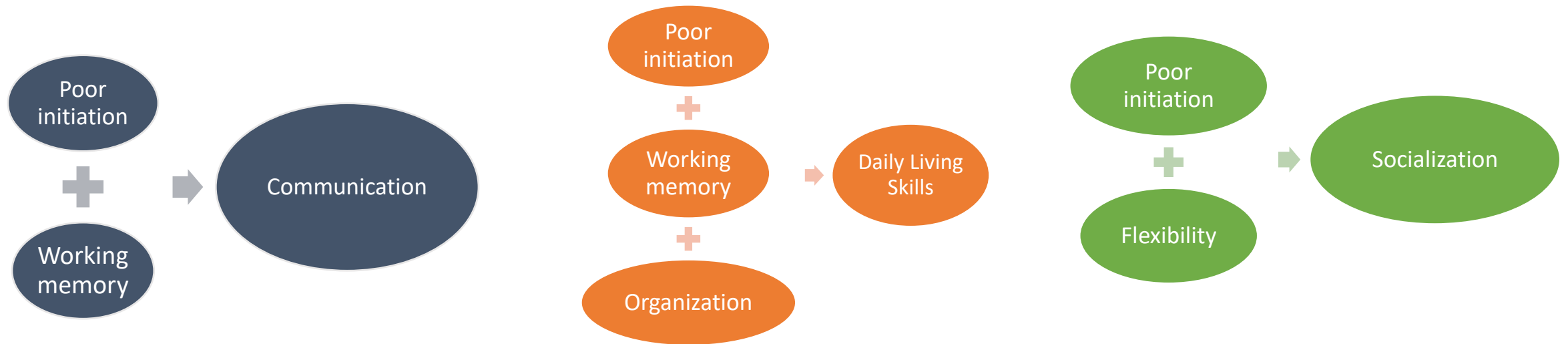
# ASD and Adaptive Functioning

- Based on higher IQ, positive outcome is expected for autistic individuals without ID
  - Less than 20% of all adults with ASD live independently
  - ~ 33% are employed
- Adaptive behaviors slow/plateau, as children move into young adulthood



Pugliese et al. 2016

# ASD and Adaptive Functioning



Pugliese et al.  
2015, 2016



# How EF presents in ASD +/- ADHD

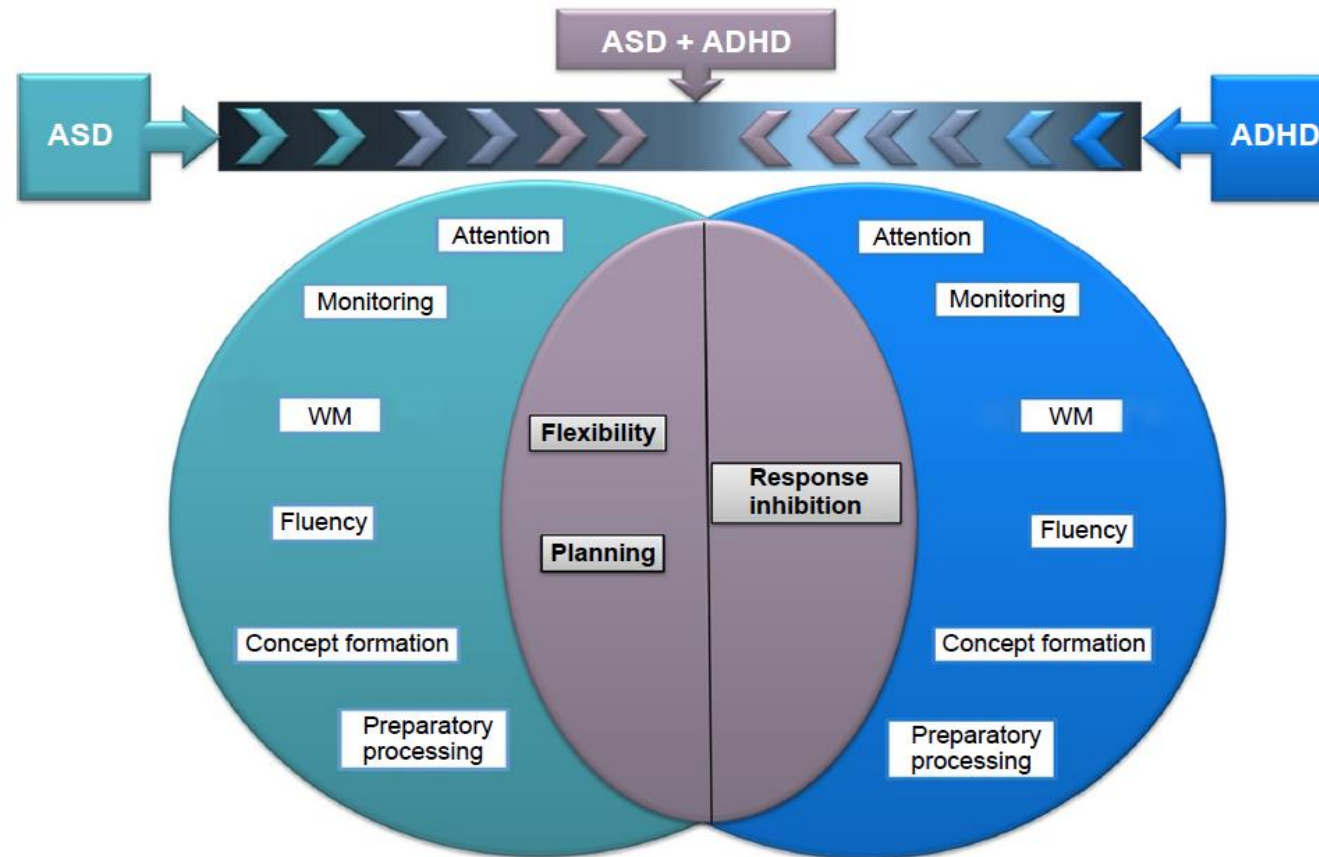
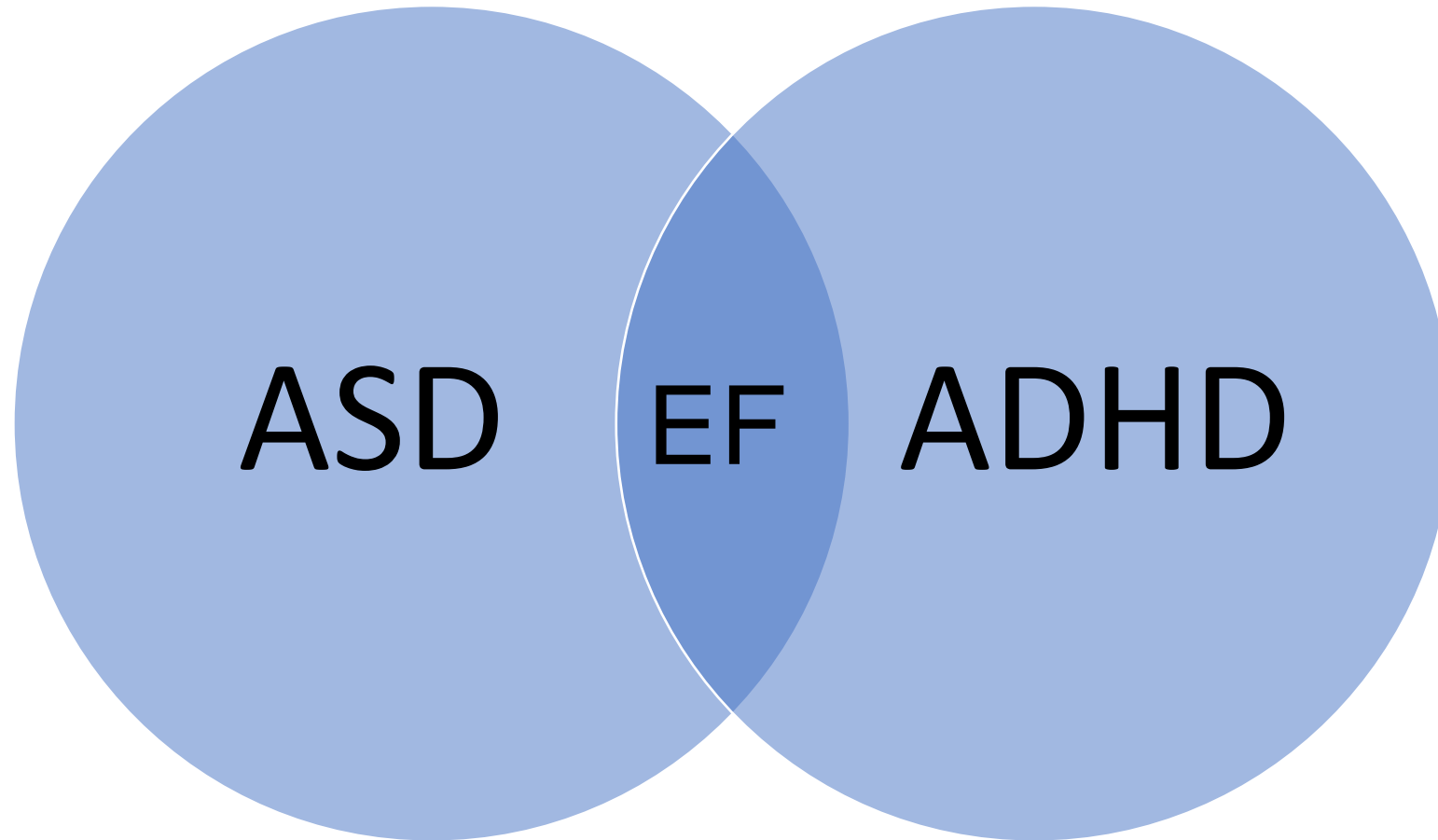


Figure 1 Similarities and differences in executive functioning between ASD, ADHD, and ASD + ADHD groups.

# Impact of EF in ASD

- Rigid and routine bound ways of thinking
- Special interests
- Behavioral inflexibility/preferred activities
- Rigidity in social dynamics
- Efficient and abstract reasoning (vs. getting stuck in the details)

**So, what does this mean for our kids with multiple diagnoses and executive functioning challenges?**



# Strengths

Attention to detail

Memory

Analytical Thinking

Consistency

Reliability

Passion/dedication

Focus/perseverance

# What to do...

Research into behavioral interventions targeting EF in ASD is ongoing.

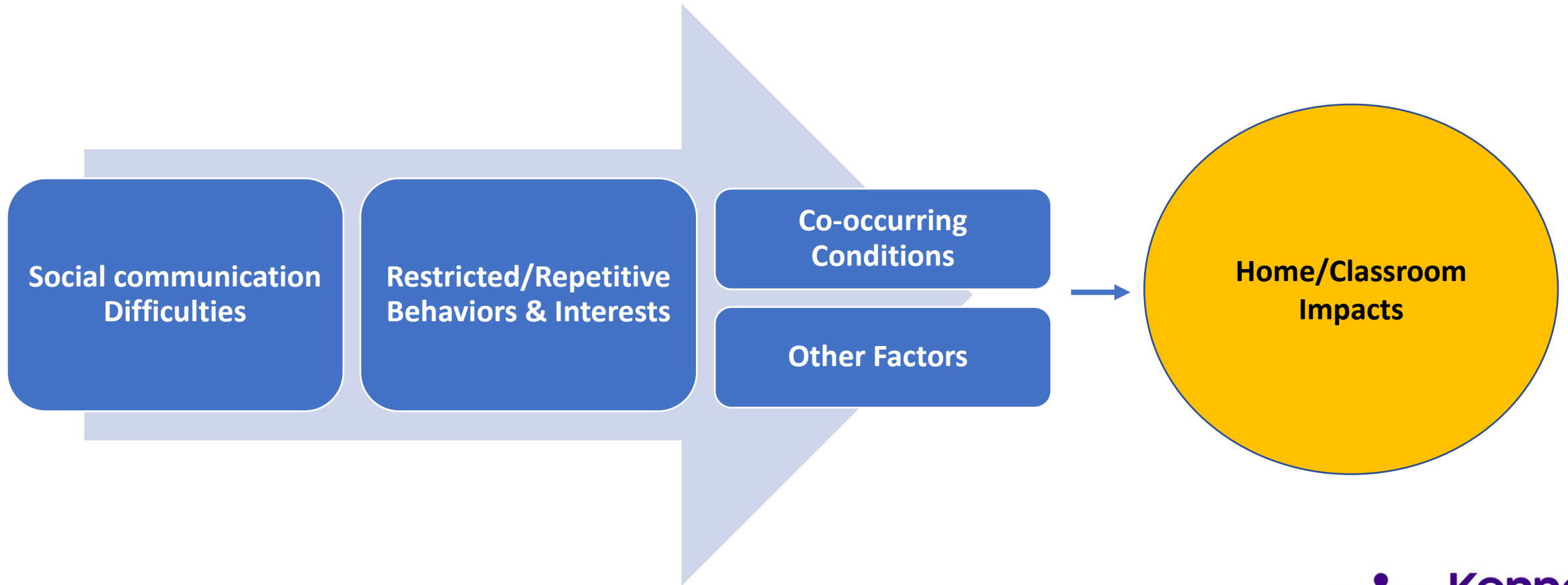
There is some initial evidence that there are methods for both supporting and improving EF.

Given that a child's "job" is going to school, it is important that they be provided with support and reinforcement of techniques both at home and in the school setting.



# **Educational Impact: Strategies and Interventions**

# EF Impact and Strategies for Educational Settings



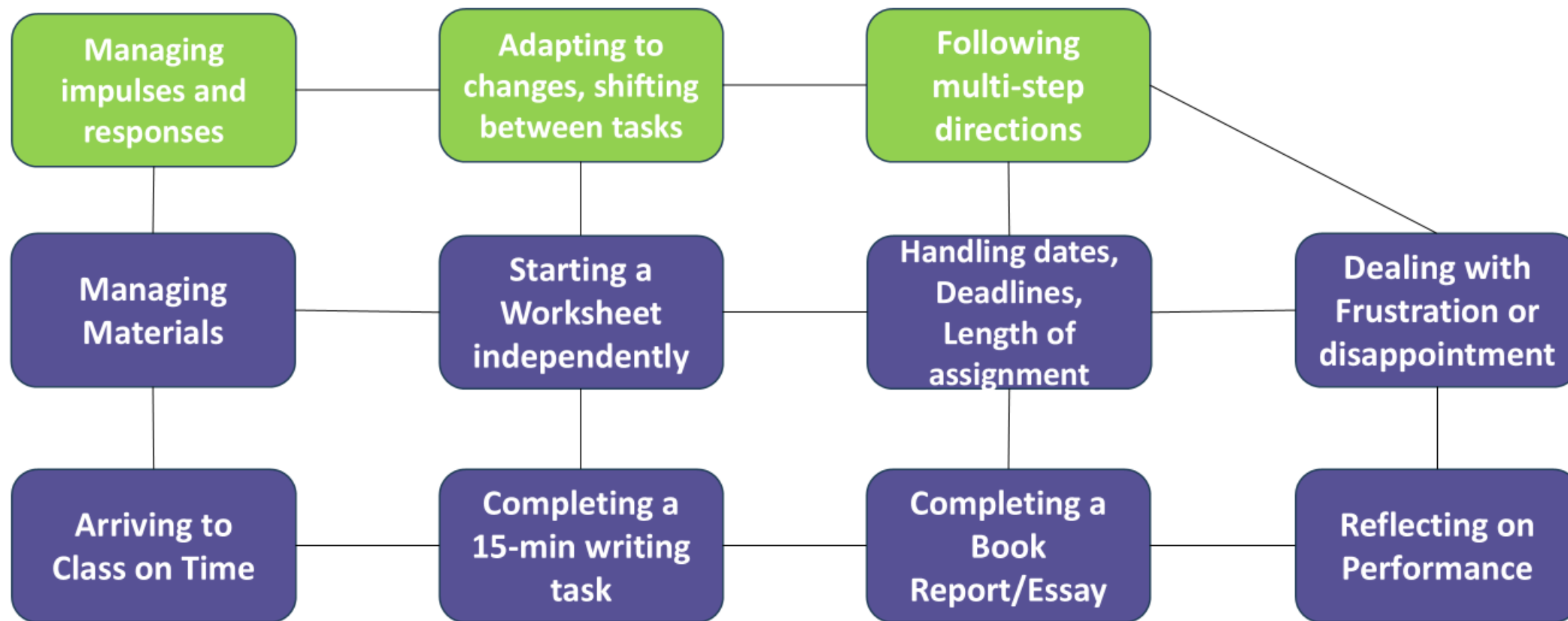
# EF and School Outcomes

- Link between EF and **academic achievement**
  - Reading, spelling, and math
- EF predicts **math and reading competence** throughout school.
- EF is more a significant indicator for **school readiness** than IQ or foundational reading or math skills.
- Executive dysfunction can lead to **social challenges** (emotional outbursts, troubling behaviors, later crime, etc.)

(e.g., Borella et al, 2019; Broidy et al., 2003; Denson et al., 2011;  
Duncan et al., 2007; Morrison et al., 2010)



# EF & Classroom Impact



# EF, School, & Autistic Students

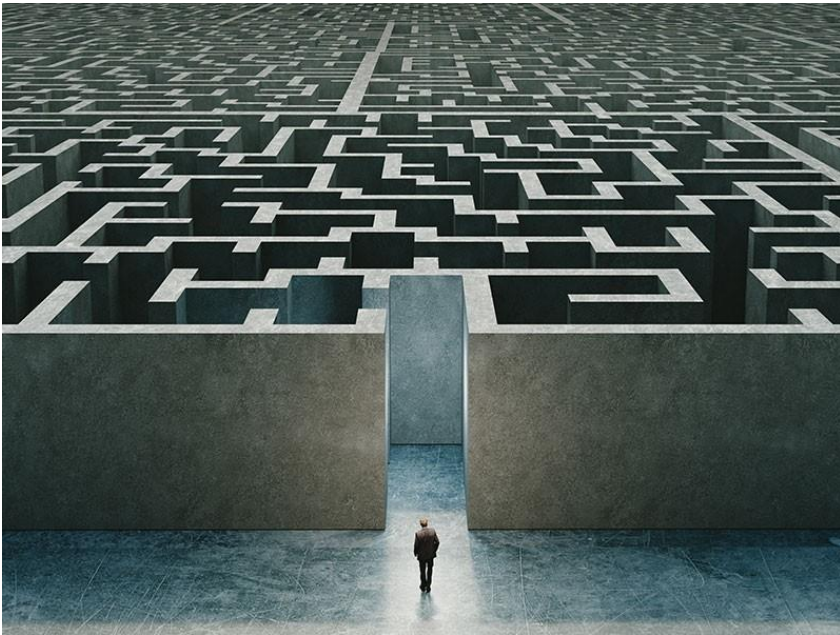
- EF is a critical predictor of multiple outcomes: **school readiness, academic functioning**, language skills, adaptive functioning
- Stronger EF skills predict **better adjustment** (transition from elementary to middle school)

(e.g., Friedman & Sterling, 2019; Hume et al., 2009; Pellicano et al., 2007, Pugliese et al., 2015; Wei et al., 2014)

# The Good News about EF

- EF referred to as part of the “Hidden Curriculum” in schools
  
- **EF is teachable, and malleable! Can be improved!**

# EF Interventions: Where to Start?



[Image: https://accesswdun.com/article/2020/4/897388/the-maze-made-more-amazing](https://accesswdun.com/article/2020/4/897388/the-maze-made-more-amazing)



# EF Interventions & Programs

- **SMARTS (Strategies, Motivation, Awareness, Resilience, Talents, Success)**
  - Curriculum for elementary & secondary students
  - Focus on cognitive flexibility, organizing & prioritizing, self-checking and monitoring, goal setting, memorizing
- SMARTS Elementary EF Curriculum
- SMARTS Secondary EF Curriculum
- SMARTS@Home
- MetaCOG Suveys & Toolkit



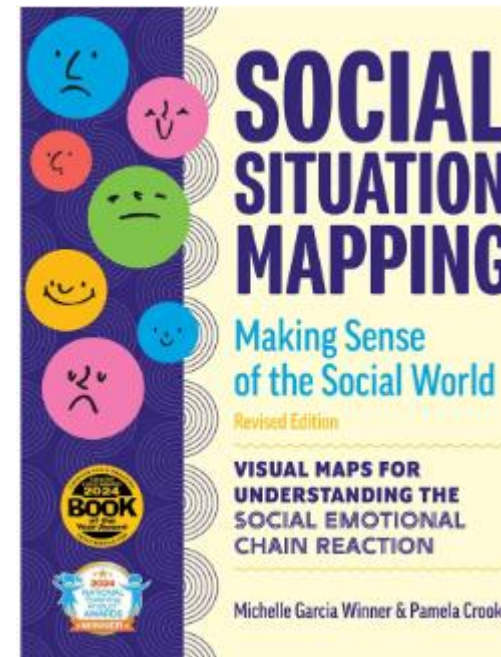
# EF Interventions & Programs

- **Social Thinking Curriculum**

- Focus on teaching complex social EF concepts (e.g., perspective taking)
- Teachings are applicable across settings

Core Areas:

- Executive Functioning
- Conversation & Social Connection
- Friendship & Relationship Development
- Self-regulation
- Social Thinking Vocabulary

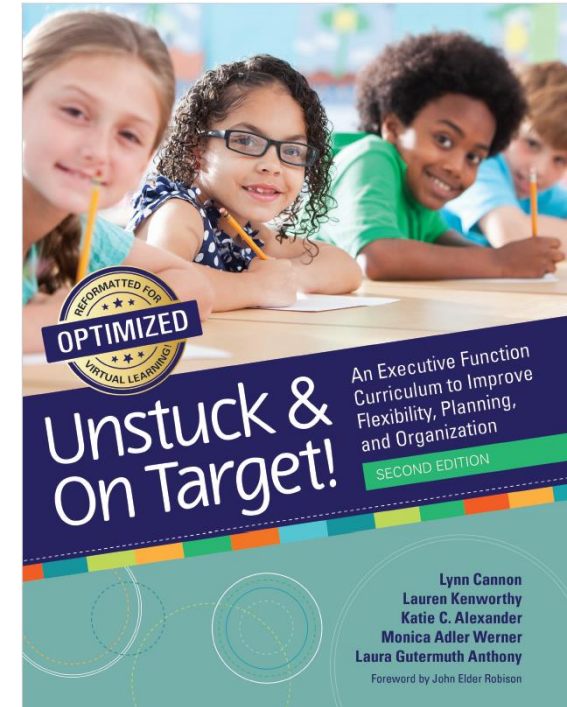


(Winner, 2007)

# EF Interventions & Programs

- **Unstuck & On Target Curriculum**

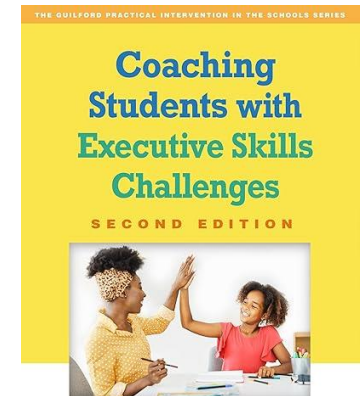
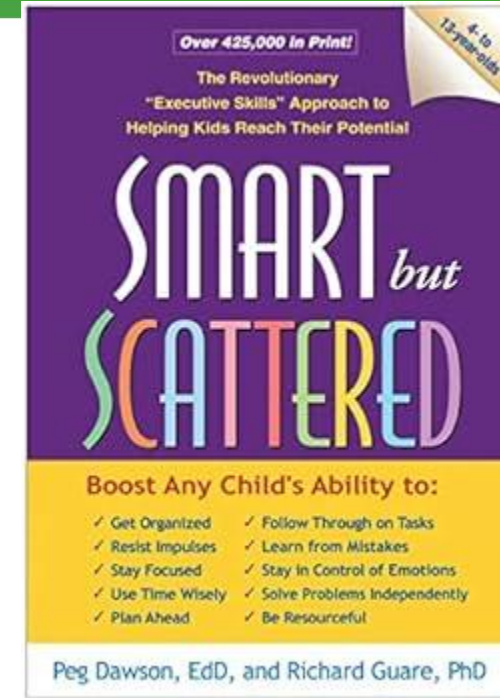
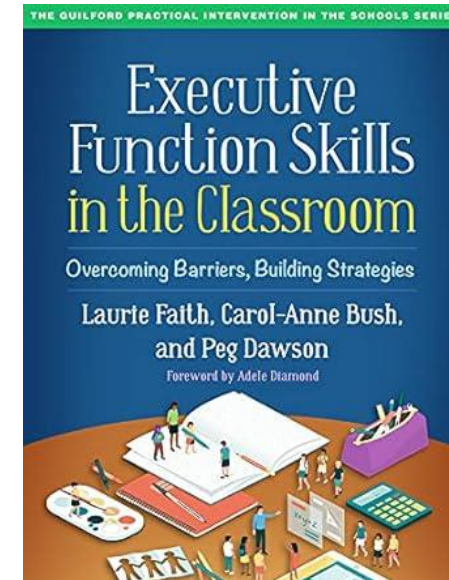
- Focus on improving organization, planning, and flexibility
- Lesson plan with home and classroom practice handouts
- Developed for 8–11-year-olds with difficulties in EF
- Autism, ADHD, anxiety, average IQ,  $\geq 2^{\text{nd}}$  grade language & reading



# EF Interventions & Programs

- **Smart but Scattered**

- Comprehensive framework addressing EF challenges
- Series of EF Books and Resource Hub
- Emphasis on teaching strategies using strength-based approach
- Assessment & intervention strategies, practical tools & resources



Peg Dawson | Richard Guare



# Additional Options

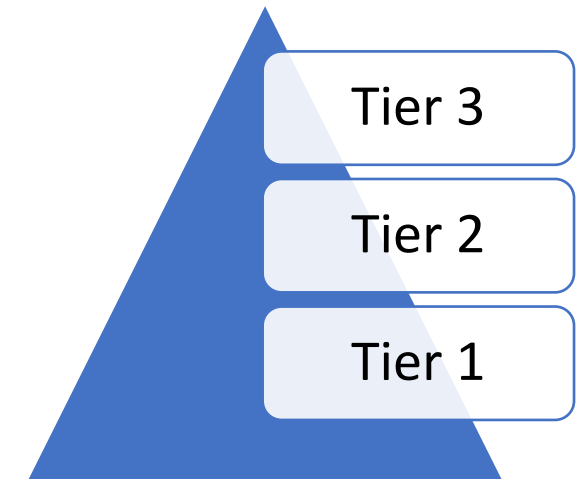
- May be barriers in implementing or adopting comprehensive curricula (time, money, buy-in)
- There are a range of evidence-based strategies to utilize



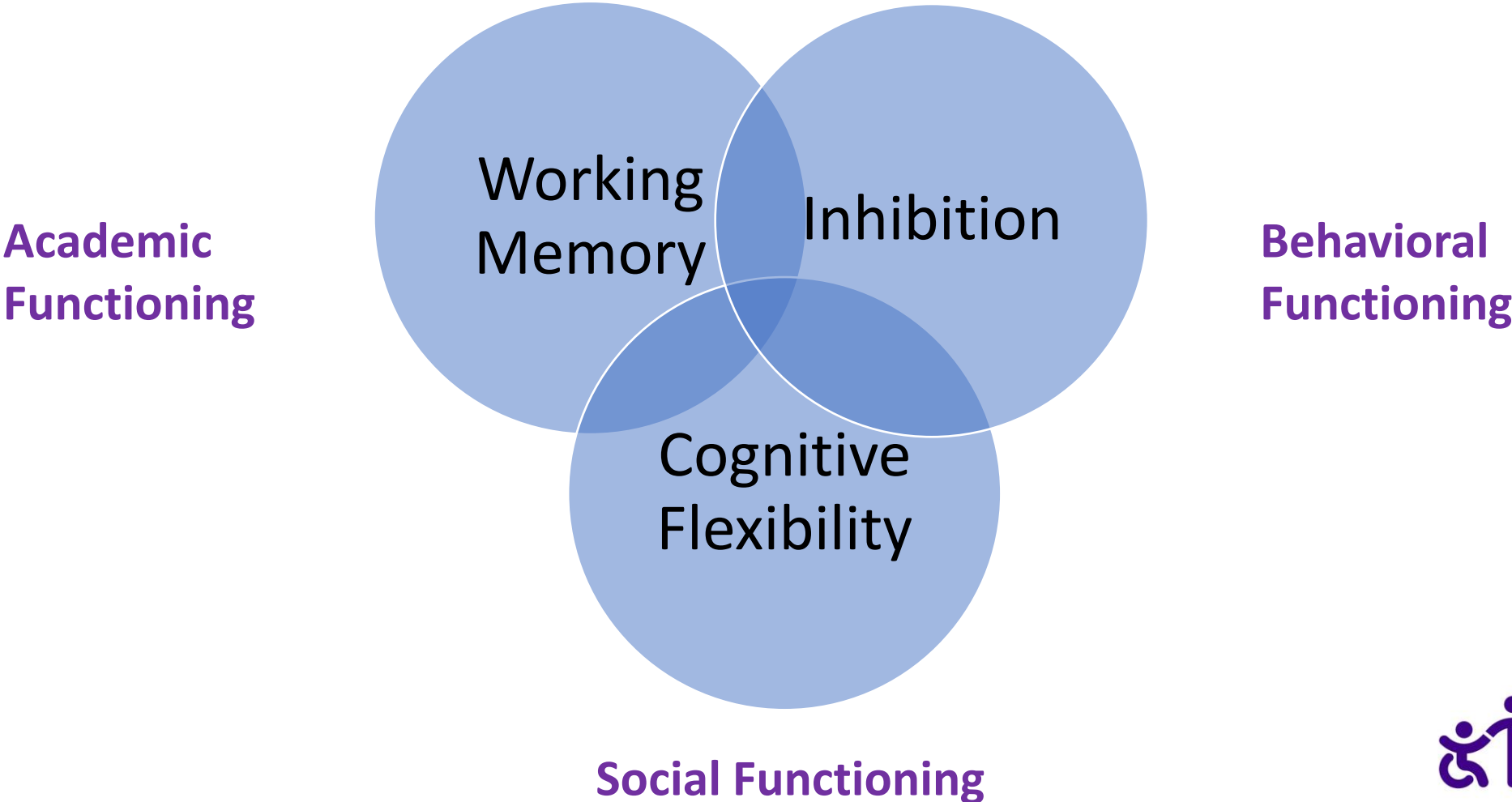
Image: <https://massolutions.biz/the-costs-of-doing-it-yourself/>

# Approach to EF Strategies and Interventions

- Consider a tiered approach (MTSS)
- Be strategic (ask the Wh- questions)
- Link assessment information (formal or informal) to the strategy



# Strategy and Intervention Framework



# Working Memory

## Reminder

Holding and manipulating information in the mind  
(verbal and non-verbal)

# Working Memory & Academic Strategies

EF Difficulty	Possible Impact (Difficulty with...)	Potential Strategies
<b>WORKING MEMORY</b>	<ul style="list-style-type: none"><li>• Remembering new words or vocabulary/content or procedures</li><li>• Multi-step directions or Verbal instructions</li><li>• Writing assignments, reading comprehension</li><li>• Mental Math</li><li>• Note-taking</li><li>• Transferring concepts or generalizing</li></ul>	<ul style="list-style-type: none"><li>• Visual Supports</li><li>• Written Instructions</li><li>• Chunking Information</li><li>• Review and Repeated Practice</li></ul>

# Working Memory & Academic Strategies

2-Digit by 1-Digit Multiplication (A)

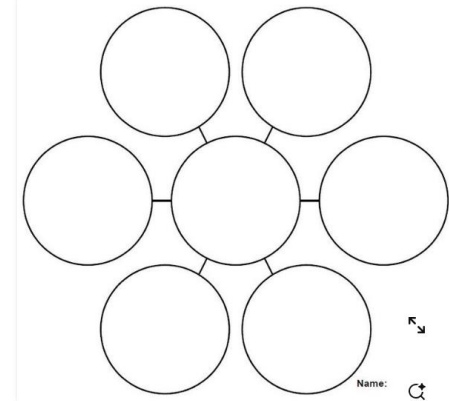
Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_ /25

Calculate each product.

$\begin{array}{r} 72 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 95 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$
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Chunking a Math Assignment



Visual Supports  
(graphic organizers)

# Working Memory & Behavior Strategies

EF Difficulty	Possible Impact (Difficulty with...)	Potential Strategy
<b>WORKING MEMORY</b>	<ul style="list-style-type: none"><li>• Maintaining attention &amp; focus</li><li>• Managing time</li><li>• Remembering where belongings are, organizing materials</li><li>• Task Completion</li><li>• Regulating overwhelm or overload</li></ul>	<ul style="list-style-type: none"><li>• Structured Routines</li><li>• Task Analysis</li><li>• Environmental Arrangements</li></ul>

# Working Memory & Behavior Strategies

## Arrange the Environment

(set up the area to maximize attention, focus, and efficiency)

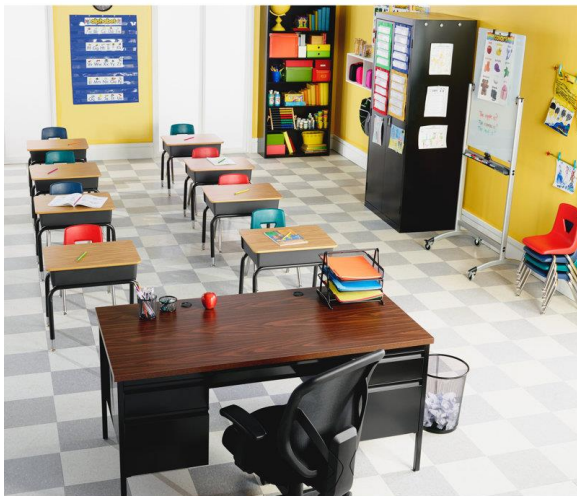
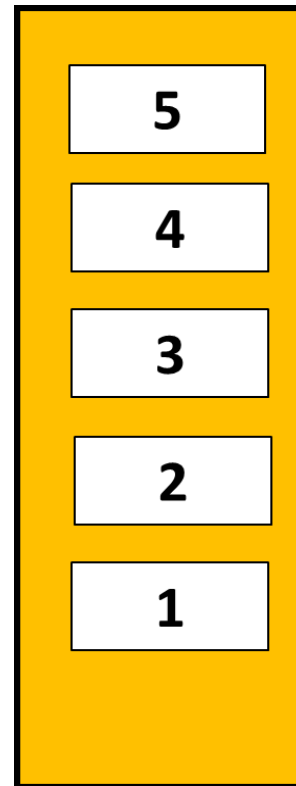


Image: <https://www.wayfair.com/school-furniture-and-supplies/pdp/lorell-classroom-solid-wood-adjustable-height-open-front-desk-lro1966.html>



## Task Board

(helps keep track of the number of steps in an activity or task)



## Task Analysis

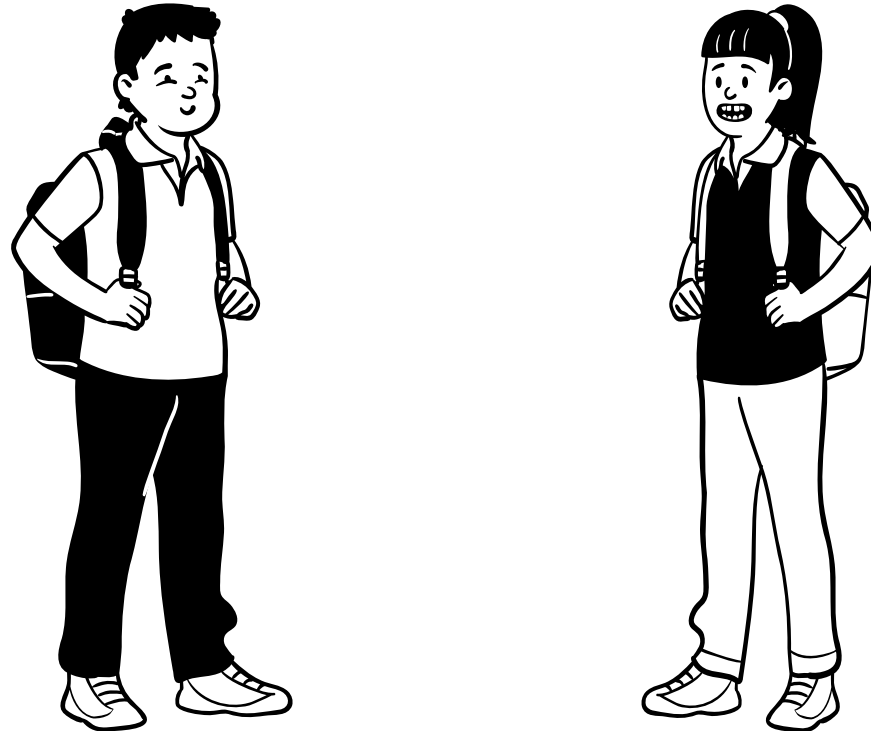
(can be created for simple to complex tasks, helps break down the steps)



# Working Memory & Social Strategies

EF Difficulty	Possible Impact (Difficulties with...)	Potential Strategy
<b>WORKING MEMORY</b>	<ul style="list-style-type: none"><li>• Following Conversations &amp; sequence of interactions (notably in group settings)</li><li>• Processing &amp; retaining social cues (tone, facial expressions, body language)</li><li>• Perspective taking (holding on to others' thoughts/feeling and one's own)</li></ul>	<ul style="list-style-type: none"><li>• Social Scripts and Role-Playing</li><li>• Peer Modeling</li><li>• Visual Supports for Social Interactions</li></ul>

# Working Memory & Social Strategies



**Peer Modeling and Role Playing**  
(specific topics or situations)

# Inhibition (Inhibitory Control)

## Reminder

The ability to control one's thoughts, behavior, attention, and emotions. Inhibitory control allows one to override strong internal and external impulses.

# Inhibition & Academic Strategies

EF Difficulty	Possible Impact (Difficulty with...)	Potential Strategy
<b>INHIBITION</b>	<ul style="list-style-type: none"><li>• Impulsive Responses</li><li>• Task Persistence</li><li>• Focusing on Tasks</li></ul>	<ul style="list-style-type: none"><li>• Explicit Teaching (self-regulation)</li><li>• Time Management Tools</li><li>• Clear and Concise Directions</li><li>• Self-Monitoring Checklists</li></ul>

# Inhibition & Academic Strategies

Interventioncentral.org: Self-Check Behavior Checklist Maker



Self-Check Behavior Checklist Maker: *Checklist Maker*

## Self-Check Behavior Checklist Maker

This form includes all elements of the customized self-monitoring checklist. The format is suitable for one self-rating during a session.

Checklist Item
<input type="checkbox"/> AT THE START OF CLASS:
<input type="checkbox"/> I have a sharpened pencil.
<input type="checkbox"/> I have a pen.
<input type="checkbox"/> I have paper for taking notes.
<input type="checkbox"/> I have my homework ready to turn in.
<input type="checkbox"/> I have put my cell phone away in my backpack.
<input type="checkbox"/> I have closed up my backpack and placed it on the floor.
<input type="checkbox"/> I have cleared my desk of unneeded materials.
<input type="checkbox"/> I am sitting quietly.
<input type="checkbox"/> I am working on the assigned start-of-class activity.

### Self-Monitoring Checklists

(Could be individualized for any task or activity. Remember to teach and reinforce the skill and monitoring of behavior.)

## Tools to Manage Time



Could be teacher/adult initiated or supported

Could be student initiated

# Inhibition & Behavior Strategies

EF Difficulty	Possible Impact (Difficulty With...)	Potential Strategy
<b>INHIBITION</b>	<ul style="list-style-type: none"><li>• Impulsivity, Disruptive Behaviors</li><li>• Self-Regulation</li><li>• Following Directions (non-compliance)</li></ul>	<ul style="list-style-type: none"><li>• Antecedent-Based Interventions</li><li>• Behavior Reinforcement Systems</li><li>• Mindfulness</li></ul>

# Inhibition & Behavior Strategies



## Behavior Reinforcement Systems

### Behavior Contracting

#### EXAMPLE: MIDDLE OR HIGH SCHOOL BEHAVIOR CONTRACT

**Student Name:** John

**Behavior:** John consistently (4 out of 5 days) arrives to class after the class bell rings.

**Desired Behavior:** John will be seated in his assigned seat with the appropriate school supplies before the class bell rings.

**Timeline:** For the first week of implementation, John will be in his assigned seat before the bell rings 4 out of 5 days. Review the behavior contract every Friday.

#### Reward Choices:

- Preferred parking for a day
- Lunch with teacher or any adult in the school
- Listen to appropriate music during study time

Teacher Signature: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Image: (Chandler, Shuster, Jenkins, & Carter, 2015)

### Self-Regulation Strategies

(teaching skills to help regulate thoughts, feelings, and behaviors)

Using the Calm Corner

- Take a break
- Walk to calm corner
- Choose a strategy
- Set timer for 3 minutes
- Take 5 deep breaths
- Rejoin friends!

smell flower

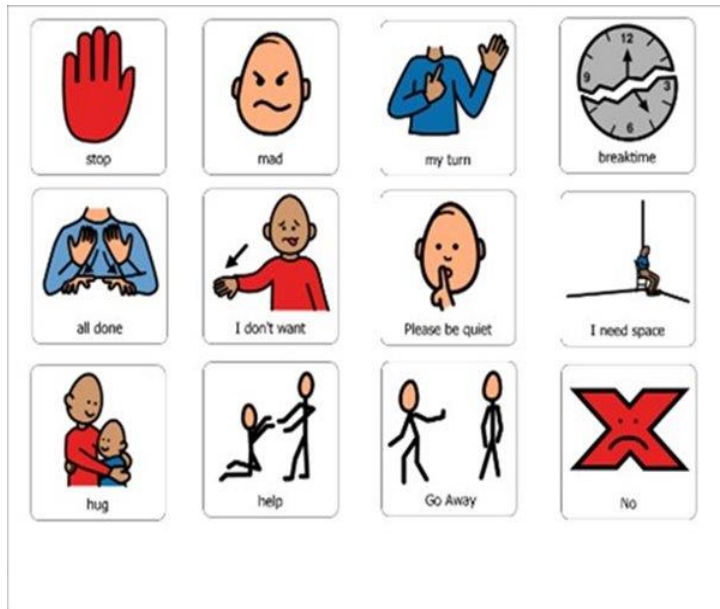
blow candle

# Inhibition & Social Strategies

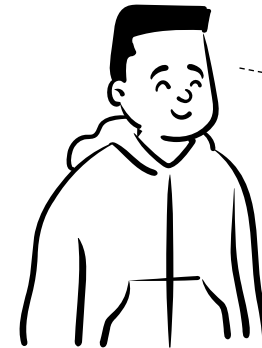
EF Difficulty	Possible Impact (Difficulty with...)	Potential Strategy
<b>INHIBITION</b>	<ul style="list-style-type: none"><li>• Interrupting Others (conversations, interactions)</li><li>• Waiting/Turn-Taking</li><li>• Impulsivity with Social Behaviors or Comments (unfiltered)</li></ul>	<ul style="list-style-type: none"><li>• Social Skills Training</li><li>• Social Narratives</li><li>• Role-Playing &amp; Video Modeling</li></ul>



# Inhibition & Social Strategies



**Visual Supports**  
(assists students in communicating during challenging social situations)



## **Video Modeling**

(teaches a skill by having another peer perform the behavior while being recorded. The target student watches, practices, and performs the behavior with support provided as needed.)

# Cognitive Flexibility

## Reminder

The ability to change perspectives or strategies to adapt to new information, situations, or shifting demands.

# Cognitive Flexibility & Academic Strategies

EF Difficulty	Possible Impact (Difficulty With...)	Potential Strategy
<b>COGNITIVE FLEXIBILITY</b>	<ul style="list-style-type: none"><li>• Adapting to Changes (shifting between subjects, tasks)</li><li>• Integrating New Learning Techniques and Strategies</li><li>• Problem Solving (patterns of thinking)</li></ul>	<ul style="list-style-type: none"><li>• Visual Supports and Schedules</li><li>• Transition Cues</li><li>• Varying Instructional Methods &amp; UDL (Universal Design for Learning)</li><li>• Explicit Teaching and Practice</li></ul>

# Cognitive Flexibility & Academic Strategies

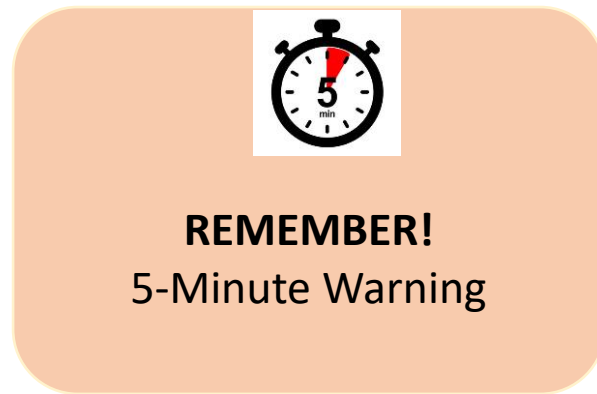
Image: <http://www.udlguidelines.cast.org>

- Shower
- Get dressed
- Eat breakfast
- Brush teeth
- Put on coat and shoes
- Family time
- Wait for bus

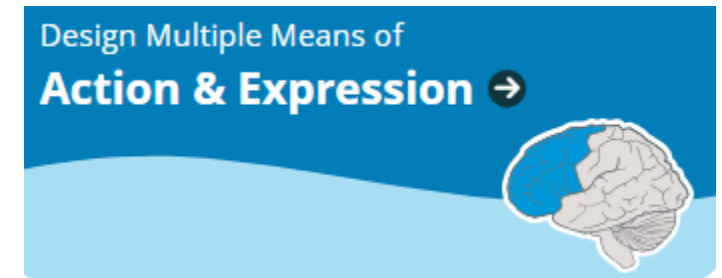
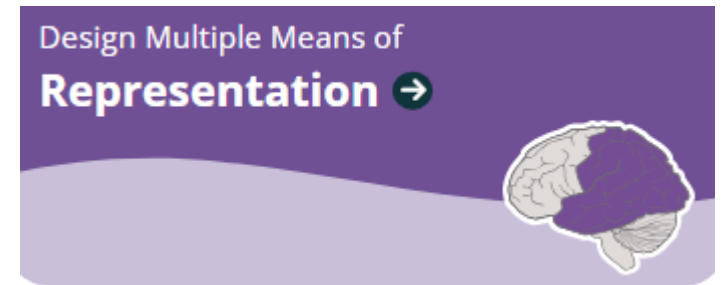
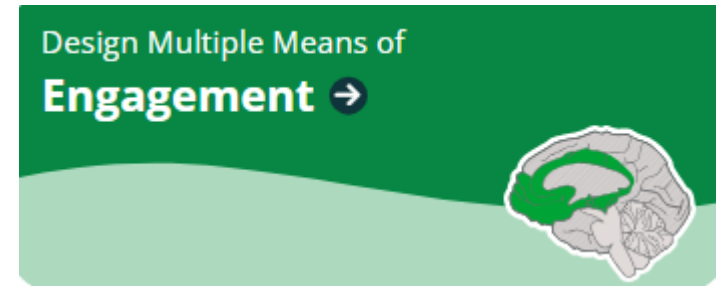
## Visual Schedule

(assists a child who has difficulty transitioning from one activity/environment to another; e.g., going from home to school)

**Transition Cue**  
(Visual card on desk helps remind student of the next activity)



Universal Design for Learning



UDL = framework to facilitate the design of educational environments that are inclusive and accessible for all students.

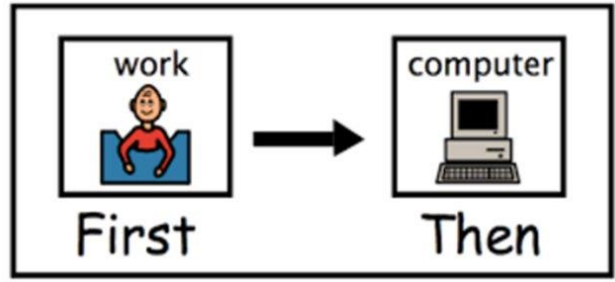
# Cognitive Flexibility & Behavioral Strategies

EF Difficulty	Possible Impact (Difficulties with...)	Potential Strategy
<b>COGNITIVE FLEXIBILITY</b>	<ul style="list-style-type: none"><li>• Need for Predictable and Consistent Patterns of Behavior</li><li>• Tolerating Frustration</li><li>• Adapting to Changes (routines, events)</li></ul>	<ul style="list-style-type: none"><li>• First/Then Boards or concepts</li><li>• Cognitive Behavioral Techniques</li><li>• Behavioral Momentum (and gradual exposure to change)</li></ul>

# Cognitive Flexibility & Behavioral Strategies

## First –Then Boards

(helps with predictability in routines and activities)



# Cognitive Flexibility & Social Strategies

EF Difficulty	Possible Impact (Difficulties with...)	Potential Strategy
<b>COGNITIVE FLEXIBILITY</b>	<ul style="list-style-type: none"><li>• Adapting to Social Changes (conversation, social plans, etc.)</li><li>• Perspective-Taking</li><li>• Flexibility with Social Expectations</li></ul>	<ul style="list-style-type: none"><li>• Social Stories and Scripts about Flexibility</li><li>• Explicit Teaching and Practice</li><li>• Role-Playing and Video Modeling Changes in Routine</li></ul>


# Cognitive Flexibility & Social Strategies

Social Narratives (SN)  
---Implementation Checklist---

<i>Before you start:</i>  <i>Have you</i>	Observation	1	2	3	4
	Date				
	Observer's Initials				
<b>Step 1: Planning</b>					
	1.1 Identify the social situation for the intervention				

**Social Narratives**  
(Type: Social Stories and/or Power Cards)

Social Narratives



---SN Planning Worksheet---  
Power Card

Learner's Name: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Observer(s): \_\_\_\_\_

Target Behavior: \_\_\_\_\_

Social Narratives



---SN Progress Monitoring Form---

Learner's Name: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Observer(s): \_\_\_\_\_

Target Behavior(s): \_\_\_\_\_

Identified Social Situation: \_\_\_\_\_

Data Collection:

	Target Behavior 1		Target Behavior 2 (if applicable)	
Date	Tally	Total	Tally	Total

Resources:  
<https://afirm.fpg.unc.edu/social-narratives>



# Common Pitfalls to Avoid

## Considerations for Implementation:

- Intervention Integrity (fidelity) ↑
  - Intervention isolation ↓
- Intervention Acceptability ↑
- Intervention Feasibility ↑



Image: [https://en.wikipedia.org/wiki/Trapping\\_pit](https://en.wikipedia.org/wiki/Trapping_pit)

# Accessing and Implementing EF Strategies

- **Informal Plans** within School-wide MTSS
- **504 Plans**
  - Eligibility = (1) qualified individual with a disability, (2) limits 1 more life activities)
  - Allow for *reasonable accommodations*
- **Individualized Education Programs (IEPs)**
  - Eligibility = (1) qualified educational disability (2) *educational impact* in the school setting
  - Provide special education and related services

# Thank you!

[www.kennedykrieger.org/cassi](http://www.kennedykrieger.org/cassi)