





<ul> <li>Engagement – "Get to it or not"</li> <li>Optimization – "How am I doing?"</li> <li>Solution – "I'm the decider"</li> <li>Efficiency – "The Smooth Operator"</li> </ul>	▶ Att	ention – "What's	going on out there?"	,
▶ Solution –"I'm the decider"	→ Eng	agement – "Get	to it or not"	
	→ Op	imization – "Ho	w am I doing?"	
▶ Efficiency – "The Smooth Operator"	→ Soli	ition – "l'm the d	lecider"	
	→ Effic	iency – "The Sm	ooth Operator"	
▶ Memory – "You can get there from here"	▶ Mei	nory – "You can	get there from here'	

Attention Cluster	Engagement Cluster	Optimization Cluster	Solution Cluster	Efficiency Cluster	Memory Cluster
Perceive	Attention	Attention	Gauge	Sense Time	Attention
Focus	Energize	Modulate	Anticipate	Pace	Hold
Sustain	Initiate	Balance	Estimate Time	Sequence	Manipulate
	Inhibit	Monitor	Analyze	Execute	Store
	Stop/Interrupt	Correct	Generate		Retrieve
	Flexible		Associate		Optimization
	Shift		Plan		
	Optimization		Organize		
			Memory		
			Evaluate		
			Compare		
			Choose/Decide		
			Optimization		
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EF © Thanksgiving

You cut your finger while chopping vegetables when company has already arrived. What keeps you from yelling "#"########"

Your mother is trying to have a serious conversation with you, but you hear cheers from the football crowd in the other room You are able to still listen to your mother. How so?

Your father-in-law raises his glas to make a toast. All conversations around the table stop and everyone raises their glass. Why?

You accidentally bump into someone and spill red wine over them, and you apologize profusely. Why?

Perceive, monitor, correct

"Being able to focus, hold, and work with information in mind, filter distractions, and switch gears is like having an air traffic control system at a busy airport to manage the arrivals and departures of dozens of planes on multiple runways." In the brain, this air traffic control mechanism is called executive functioning..."

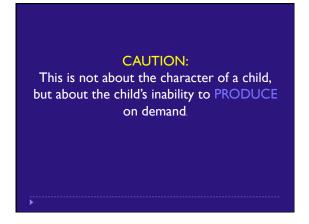
- Center on the Developing Child at Harvard University (2011). Building the Brain's "Air Traffic Control" System: How Early Experiences Shape the Development of Executive Function: Working Paper No. 11



#### Variability within EF self-regulatory skills Skill competency varies within individuals Proficiency in 1 or more of the 32 skills does not indicate proficiency across the board Deficits in 1 or more of the skills do not suggest deficits in all the skills Skill development can progress at different rates, especially when taught effective strategies

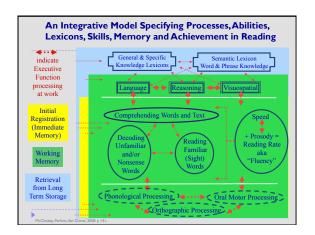


### If he's so smart, what's his problem? Is he... Lazy? Irresponsible? Apathetic? Oppositional? Stubborn? Passive-aggressive? All of the above?

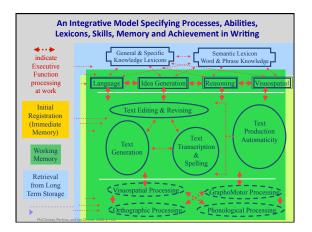


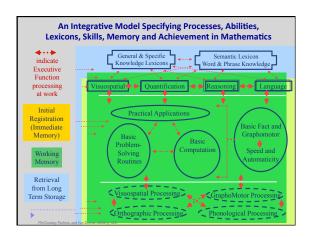
## What is production? Simply stated: ability to get the work done But what does that involve? Recognizing the work required Understanding expectations Doing the work Adhering to deadlines Meeting expectations Presenting the work

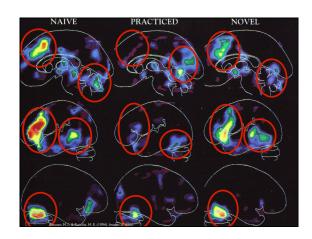
# Could there be a disconnect in... Recognizing the work required? Understanding expectations? Doing the work? Adhering to deadlines? Meeting expectations? Turning in the completed work?



#### Most Common EF Producing Difficulty - Writing Poor graphomotor control Lack of automaticity for handwriting Poor organization of written material Poor retrieval cueing or poor generate cueing for idea generation or idea fluency when writing Inability to use multiple self-regulation EFs at one time (e.g. hold, manipulate, retrieve with generate and execute).







# Change can be difficult Transitions can accentuate EF difficulties Educational (ex., new grade, new school) Home (eg., move, change in family structure) Workplace Can impact: Self-esteem Relationships Academic/work achievement Overall satisfaction



#### BUT...CHANGE IS POSSIBLE! Student: "Am I going to be like this forever?" Our Response: "Not forever...just longer than you'd like." Over time, with intervention, change can happen!!!

#### Interventions Delicate balance between helping them when they need it and helping them develop the strategies so that they can be independent Remember: the goal is for students to utilize these self-regulatory skills on their own (thus the name, self-regulatory)

## Strategies for home intervention Provide predictable, consistent structure to home environments and routines Organizational systems Rules of the house Schedule of activities, upcoming events, responsibilities Study spaces Filing systems Maintain a positive problem-solving mode

Supporting Development of Self-Regulation Skills

Model and encourage the use of internalized "self-talk" for task initiation, planning, organization and completion.

Teach use of self-administered reward routines ("If I get my math homework done in 30 minutes, I will treat myself to ....")

Use behavior reward plans—only if the skills are in place to demonstrate. The plan won't be effective if the child does not have the executive skills you are trying to reinforce.

Develop a common vocabulary and/or visual signals for use of needed self-regulation capacities.

"Read the room" "What's your plan?"

"Start" "Stop" "Time to make a shift"

"Check and correct" "Would you like a do-over?"

"How much time do you need to get this done?"

Supporting Development of Self-Regulation Skills

Providing students with feedback about their performance enables them to engage executive capacities more effectively to learn from their mistakes and improve future performance

Perbal Mediation

Use of verbal cues and questions to guide thinking processes

Relating and discussing social stories to provide basis for models of appropriate behavior



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