Executive Functioning and Gifted Learners

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What is Executive Functioning?

"Brain-based skills required for humans to effectively perform tasks and solve problems." (Guare and Dawson, 2013)

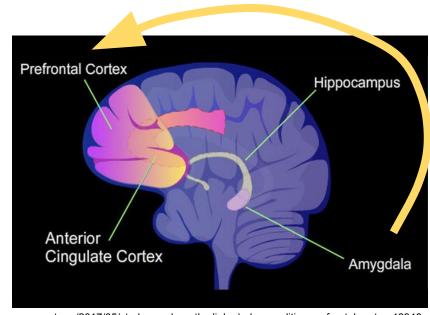


How Does Executive Functioning

- Begins at birth
- Ongoing development through at least late adolescence
- Partially tied to personality tendencies
- Can be taught/learned through explicit instruction and experience
- Not always a disability or pathology

Neurobiology of Executive Functioning

- Prefrontal cortex
- Impacted by stress and environment





Specific Executive Functioning Skills

- Planning
- Working Memory
- Time Management
- Organization
- Metacognition

- Response Inhibition
- Emotional Control
- Task Persistence
- Task Initiation
- Sustained Attention
- Cognitive Flexibility



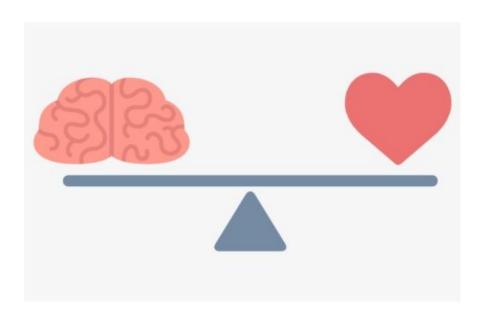
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Gifted and EF: Myth Vs. Reality

Myth

- Advanced cognition or academics = advanced EF
- Struggle is due to laziness or
 obstinance

Reality

- Overexcitabilities intensify things
- EFs develop asynchronously, too
- Only develop skills they need or have opportunity to practice and use

When Executive Funcitoning is Lacking

- Anxiety
- Stress
- Defiance
- Lower self-esteem
- Depression
- Underachievement

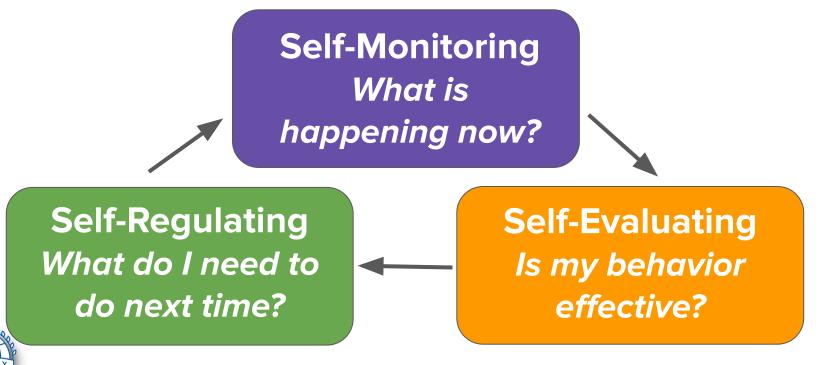




General Strategies to Support EF

- Realistic expectations
- Baby steps
- Child-driven goal
- Model
- Provide multiple opportunities for practice
- Stop and talk through strategies at time of real life application
 - Reflect after practice and real-time application

Metacognitive Cycle



E. Kircher-Morris, *Executive Functioning: The Building Blocks of Success*

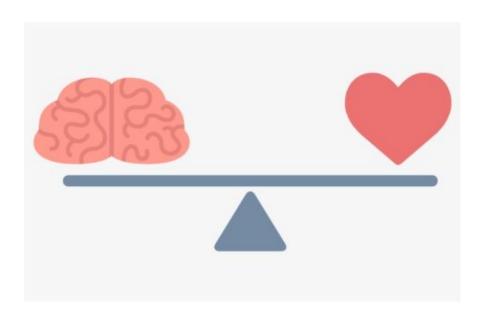
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Specific EF Strategies



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Twice Exceptional/Problems with EF

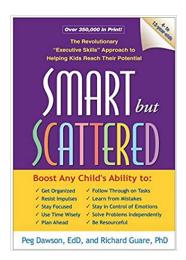
- Assessment
- Plan
 - Gradual
 - Adjustable
 - Personalized
 - Simple
- Accommodate vs. Enable

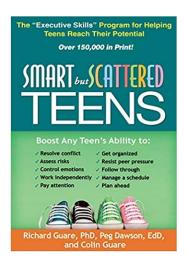


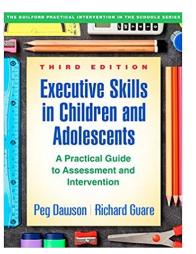


Resources

- Richard Guare & Peg Dawson
 - Smart but Scattered (Teen version available)
 - Executive Skills in Children and Adolescents









Questions ?

