Developing SelfRegulation in Young
Children:
Lessons from Research

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Self-Regulation in Young Children

Children under age 5 do not have a reputation for self-regulation.

What are the signs you observe in preschool children that self-regulation is a challenge for them?



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Connection to School Readiness

Kindergarten teachers most often identify young children as not ready for school because children show poor ______.



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Early Childhood National Centers	Self-Regulation in Young Children
	Why do young children struggle with self-regulation?
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Session Objectives

presentation, you should be able to:

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- Understand what self-regulation is and how it is based on executive functions.
- Identify the three components of executive functions – inhibition, working memory, and mental flexibility - and how they support self-regulation.
- Describe how the growth of self-regulation is based on the maturation of the brain.
- Understand the influences of temperament and stress on individual differences in self-regulation.
- Describe what parents and education staff can do to support the growth of self-regulation.

Agenda

Here's what we're doing today:

- 3.
 - 4.

 - 6.

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1.	Defining self-regulation
2.	Self-regulation and executive functions
3.	Self-regulation and the developing brain
4.	Individual differences in self- regulation: effortful control
5.	Stress and its influence on self- regulation
6.	How can parents and education and care providers support the growth of self-regulation in young children?
	or sen-regulation in young children?

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What is Self-Regulation:

The ability to internally manage one's attention, thinking, emotions, and behavior without external control

self-control

doing what *doesn't* come naturally



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Self-Regulation Develops Over Time

Self-regulation takes time to develop

It is based on the growth of...

- areas of the brain that enable self-control
- temperament
- cognitive abilities related to memory, judgment, and mental flexibility
- experience with culture and adult practices for helping children achieve self-regulation
- capacities for managing stress

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Executive Functions

Self-regulation is based on the development of cognitive processes that enable self-controlled, goal-directed thought and behavior called *executive functions*.



Executive functions are like the air traffic controllers of the mind

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ecutive functions include			
 Inhibition: the ability to resist a strong inclinati one thing and instead do what is most approprinceded 	on to do iate or		
How do you use inhibition in self-regulation How can young children learn to do so?	n?		
What are Executive Functions?			
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What are Executive Functions?

Executive functions include...

• Mental flexibility: being able to switch perspective, attention, or mental focus

How do you use mental flexibility in self-regulation?
How can young children learn to do so?

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What are Executive Functions?

Executive functions include...

- Inhibition
- Working memory
- Mental flexibility



How are they important to how preschool children learn, pay attention, solve problems, and get along with other children and the teacher?

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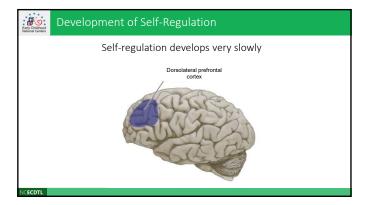


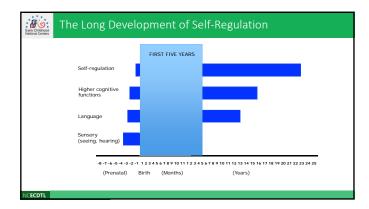
Development of Self-Regulation

At preschool, what must you do to go outside when it's raining?

- Finish your activity
- Put things away
- Go to your cubby and put on your rain gear
 - Take off your shoes
 - Sit down on the floor
 - Pull off shoes and put on boots
 - Stand up
 - Put on hat and coat
- Join other children and teacher at the door

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Effortful Control

"the ability to inhibit a dominant response to perform a subdominant response"

Which executive function does this resemble?



1.7 yrs

1.9 yrs

3.1 yrs

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What do We Expect of Children?

A national survey by ZERO TO THREE asked parents of young children at what ages children should be capable of important developmental achievements.

At what age did parents expect that a young child could...

- Follow instructions like "go pick up your shoes"?
- Share and take turns with other children?
- Control his or her emotions, such as not having a tantrum when frustrated?

Are these realistic expectations?

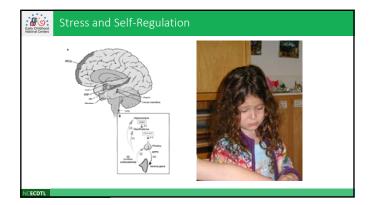
Are they consistent with the child's brain maturation?

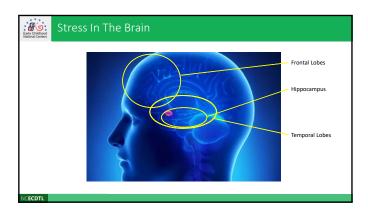
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Why does stress impair self-regulation?











Supporting the Development of Self-Regulation

How do we help children with self-regulation?

- Developmentally appropriate expectations
- Guide children with "do" not "don't" statements
- Enable children to anticipate transitions
- · Help children use words to regulate their actions and thinking
- Predictable but flexible daily schedule
- Options for children's self-regulation (e.g., quiet corner)
- Model emotional self-control, cognitive flexibility, attentional focus
- Recognize individual differences in self-regulation

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Additional Resources

Harvard Center on the Developing Child

Building the Brain's "Air Traffic Control" System: How Early Experiences Shape the Development of Executive Function

https://developing child.harvard.edu/resources/building-the-brains-air-traffic-control-system-how-early-experiences-shape-the-development-of-executive-function/

Ross A. Thompson

Doing what $\emph{doesn't}$ come naturally: The development of self-regulation

 $http://christinaneumeyer.com/yahoo_site_admin/assets/docs/Doing_What_Doesnt_Come_N \ aturally_-_Early_Dev.294102146.pdf$

ECLKC Mental Health Resources

https://eclkc.ohs.acf.hhs.gov/mental-health

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	Answering Your Questions	
Wrap-Up	ruiswering rour Questions	
	Thank you for joining us, please click the link to complete the evaluation for this webinar:	
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