## Self-Regulation "The growth of self-regulation is a cornerstone of early childhood development that cuts across all domains of behavior." From Neurons to Neighborhoods: The Science of Early Childhood Development

2.0 Self-Regulation

At around 48 months of age

2.1 Need adult guidance in managing their attention, feelings, and impulses and show some effort at self-control.

Children follow simple rules and routines, seek to cooperate, manage classroom transitions, and make efforts at self-control (such as self-soothing and waiting) with adult guidance.
Children also easily lose control of their attention, feelings, and behavior.

At around 60 months of age

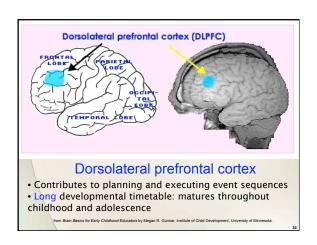
2.1 Regulate their attention, thoughts, feelings, and impulses more consistently, although adult guidance is sometimes necessary.

Children also easily lose control of their attention, feelings, and behavior.

## Self-regulation consists of . . .

- Inhibition: the ability to resist a strong inclination to do one thing and instead do what is most appropriate or needed
- · Working memory: holding information in mind while mentally working with it (such as remembering a goal while acting on it)
- · Cognitive flexibility: being able to switch perspective, attention, or mental focus (such as taking into account another's perspective)
- · Together, these are also called executive functions, and they affect social, emotional, and cognitive ability
- These skills develop over an extended time from infancy through early adulthood
- · These skills are based on the maturing brain

## Development of self-regulation . . . At child care, 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 floor Pull off shoes and put on boots Stand up Put on hat and coat Join other children and teacher at the door



Develop	ment of se	elf-regulati	on	
Say the color of these words in columns as fast as you can:				
Green	Yellow	Blue	Green	
Red	Blue	Yellow	Yellow	
Blue	Yellow	Red		



## Anterior cingulate

- Helps people inhibit a dominant response in favor of a secondary, subdominant response (inhibition)
- · Has an extended developmental timetable:
- roughly 12 months to 25 years!

More on self-regulation . . .

- Stress impairs self-regulation
- Young children who are most economically disadvantaged also show greatest problems with self-regulation
- Self-regulatory problems are most often identified by kindergarten teachers as what children lack when they are not ready for school
- Cultural expectations significantly influence the growth of self-regulation in children

How do we help young children develop self-regulation?

- Developmentally appropriate expectations (are young children capable of the self-control we expect of them?)
- · Tell children what to do not what not to do
- · Plan for transitions
- Help break up complex behaviors into smaller parts, and structure their memory for what to do
- Help children use words to regulate their actions and thinking
- Model emotional self-control, attentional focus, consideration for others
- · Create a predictable but flexible daily schedule that encourages self-control by balancing active with quite periods, individual with group activities, and provides opportunities for a "time-out"