



# Lazy? Unmotivated? Think Again

I'm not lazy

Just buffering . . .

By: Lori Boll

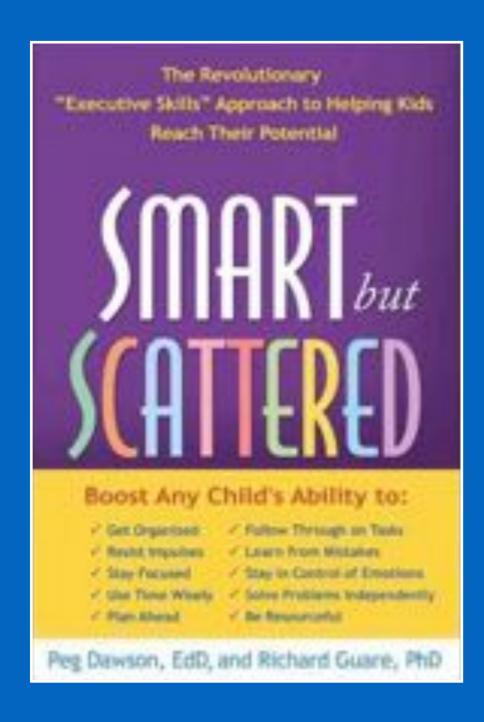
Twitter: @Loriboll

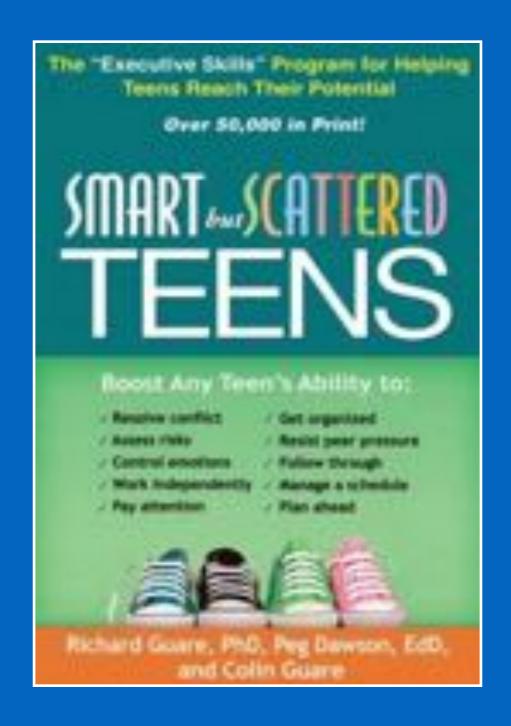
### Today's Take-aways

- Define how we think about our students
- Learn about executive functioning skills
- Figure out how to support our students in the classroom



### Executive Functioning





### Teenage Brain



"The Teen Brain Is A Work In Progress | Inside The Teenage Brain | FRONTLINE | PBS." PBS: Public Broadcasting Service. N.p., n.d. Web. 30 Apr. 2012. <a href="http://www.pbs.org/wqbh/pages/frontline/shows/teenbrain/work/">http://www.pbs.org/wqbh/pages/frontline/shows/teenbrain/work/</a>>.



"Kids do well if they can."

02

"Kids do well if they want to."

The Classic Parenting Guide-Nore Than 500,000 Copies Sold

## Explosive Child REVISED AND UPDATED

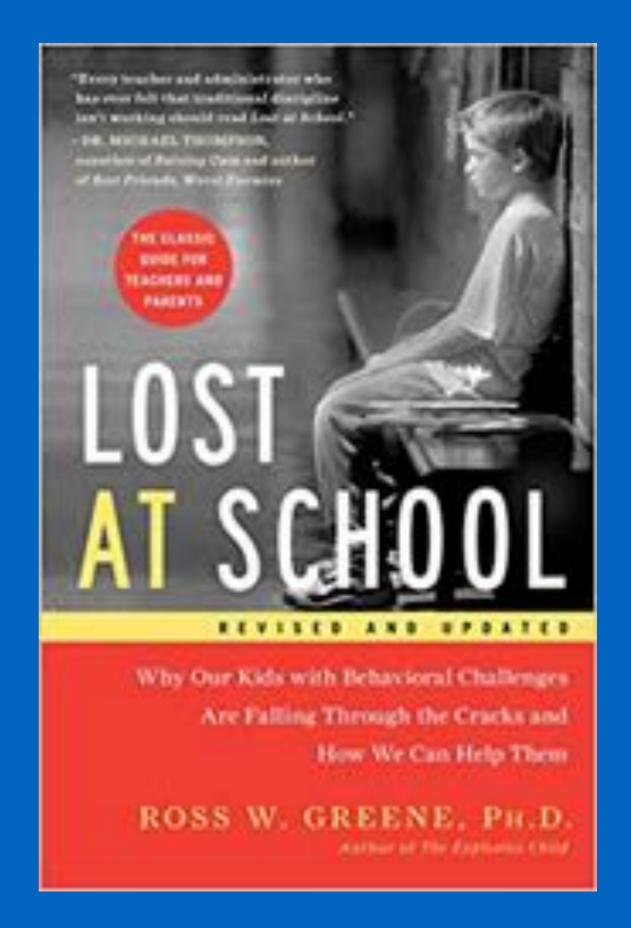
"All parents should read this back, especially these with children who are out of control."

-Edward M. Hallowell, M.D., author of Driven to Distraction

A New Approach
for Understanding
and Parenting
Easily Frustrated,
Chronically
Inflexible Children



Ross W. Greene, Ph.D.

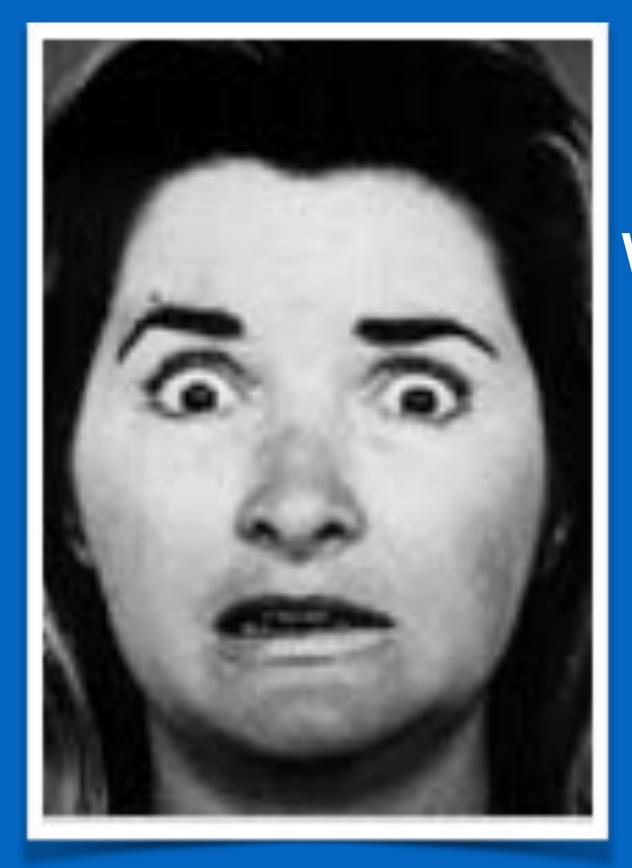


#### "Kids do well if they can."

02

"Kids do well if they want to."





## What emotion is this woman feeling?



put their head in the bu

to be funny no thought about what in there

impulsive

## How could such a smart kid be so







## freshair

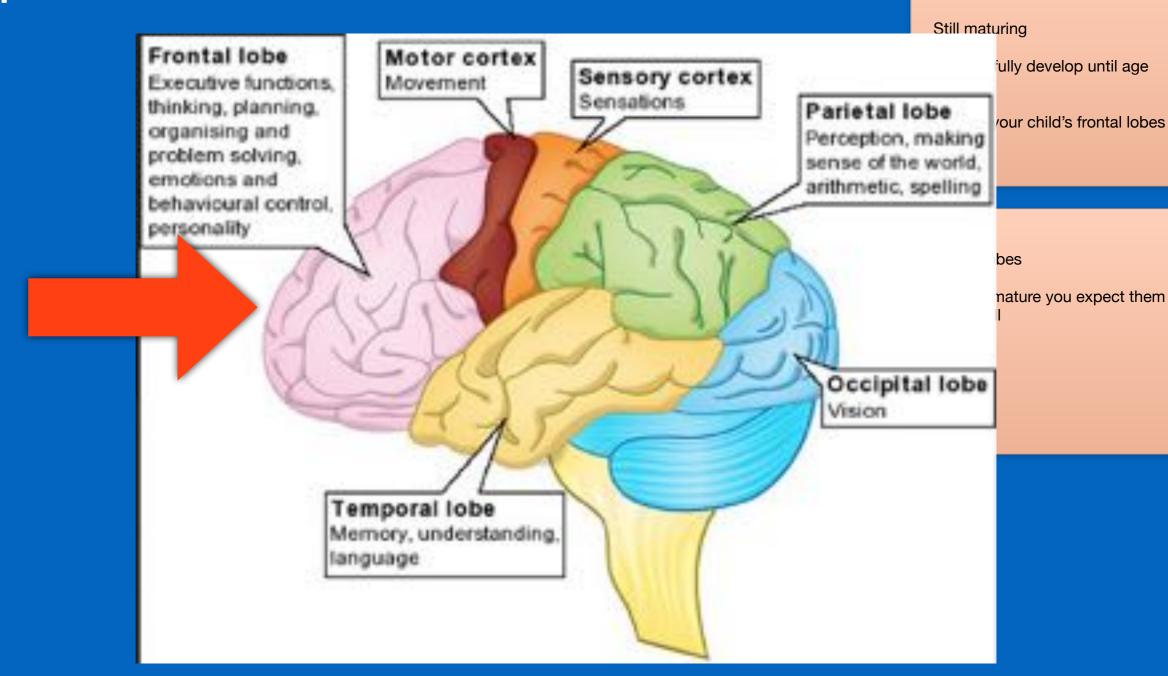
from WHYY

### "Talk amongst yourselves..."



**Executive Skills**: The brain-based skills that are required for humans to execute, or perform tasks.

The Brain's CEO

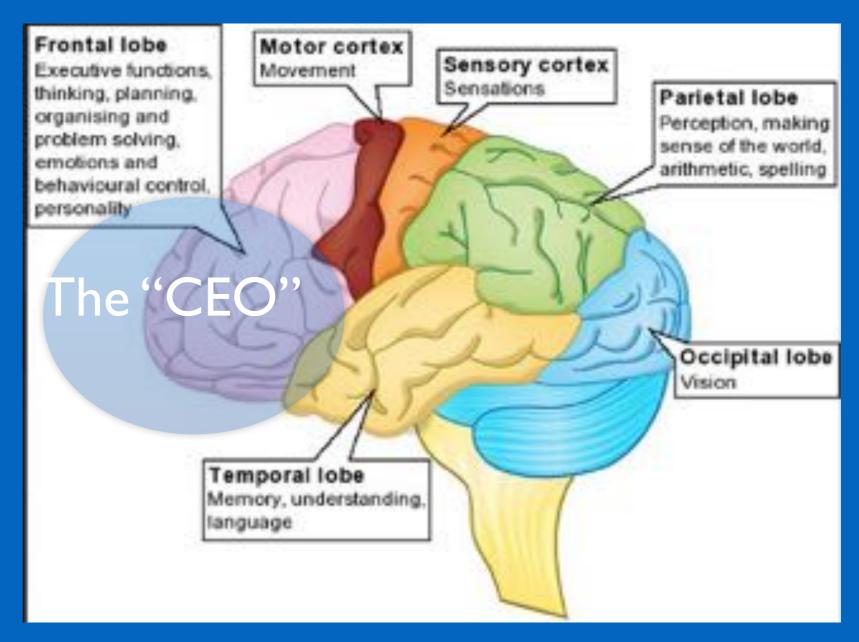


Taylor, A. (2013). *Executive dysfunction after brain injury*. Retrieved from https://www.headway.org.uk/executive-dysfunction-after-brain-injury.aspx

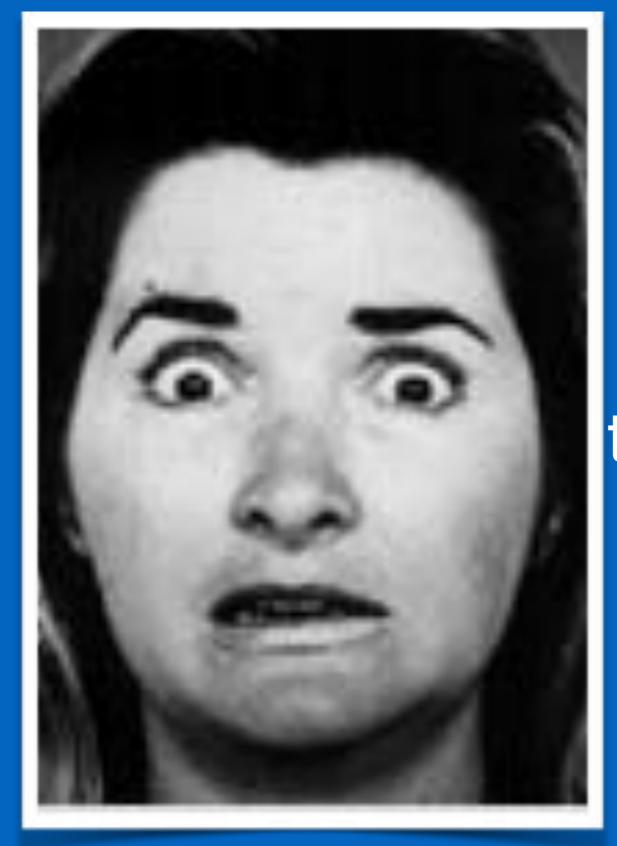


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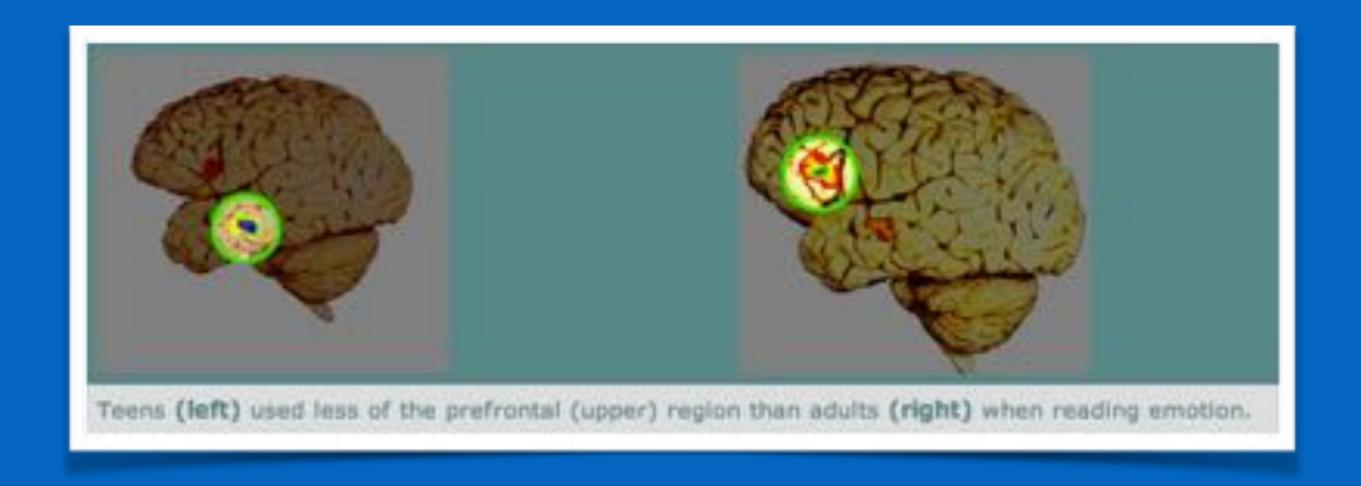
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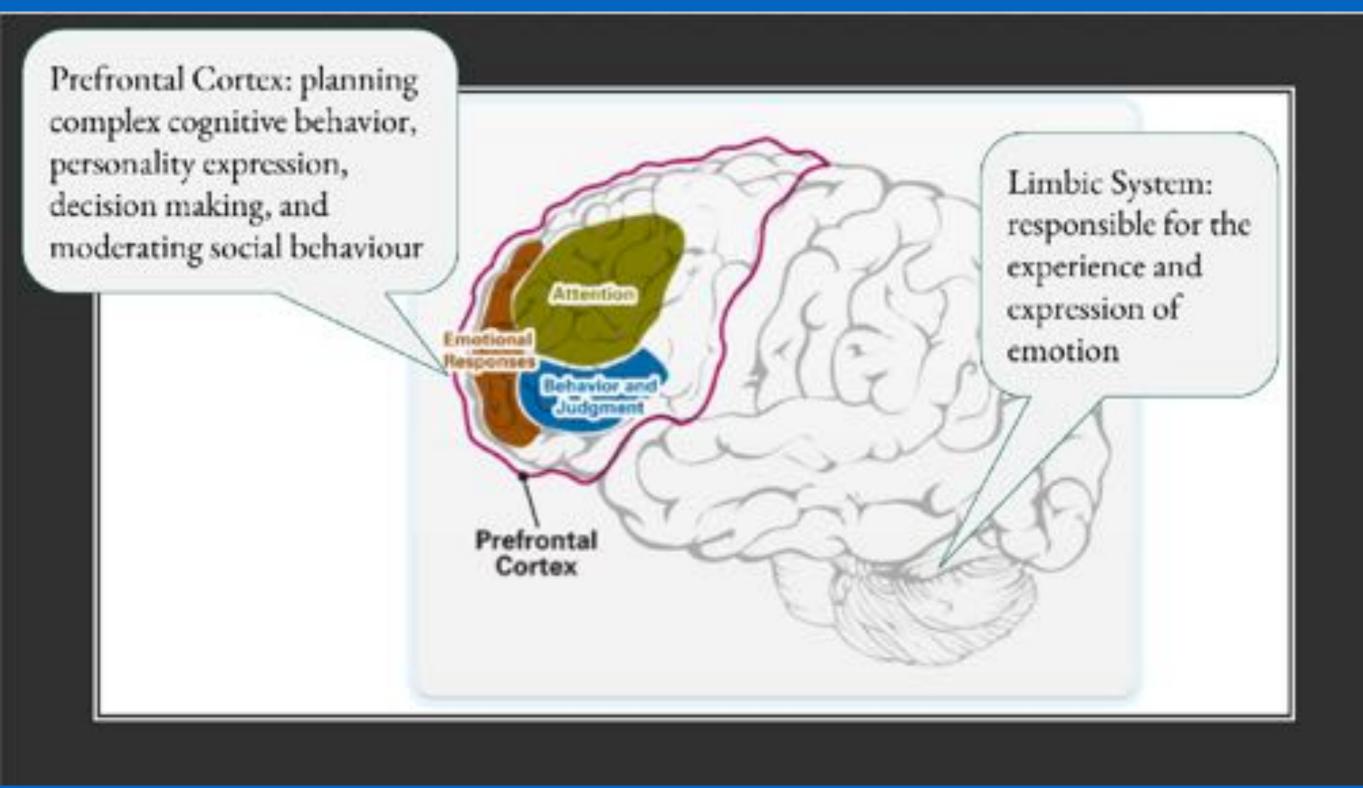


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What emotion do you think teens believe she is showing?





### Executive Skills

- Response Inhibition
- Emotional Control
- Sustained Attention
- Task Initiation
- Goal-directedPersistence

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

## Executive Skills Involving Doing (behavior)

- Response Inhibition
- Emotional Control
- Sustained Attention
- Task Initiation
- Goal-directedPersistence

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

## Executive Skills Involving Thinking (Cognition)

- Response Inhibition
- Emotional Control
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#### Response Inhibition

## The capacity to think before you act

Impulsivity Blurting Out

Temper Outbursts Poor Social Judgement

#### **Emotional Control**

The ability to manage emotions in order to achieve goals & control behavior.

Excitable Moody Short fuse Cries often Argues Can't manage frustration

#### Why it's hard to switch tasks

(Let's call it Tendril Theory) When I'm My mind focused sends out a million Something +endrils of thought Expands When I into all need to of the Switch thoughts tasks & feelings I must This retract takes all of the Some Lendrils time of my mind But when Eventually I am I can interrupted or must shift to switch the new task shruptly It feels That's like all of why I the tendrils don't are being react well ripped out To switch Please taske just give when I'm me time ready

#### Flexibility

The ability to revise plans in the face of obstacles, new information, or mistakes. Adaptability.

Unable to go with the flow

Gets upset when making mistakes

#### **Sustained Attention**

The ability to continue to pay attention in spite of distractibility.

Gets distracted by outside stimuli

Mind wanders Daydreams

Needs consistent prompting

#### **Task Initiation**

The ability to begin tasks or projects without undue procrastination.

Struggles to start an assignment

Missing or incomplete work

Relies on adults prompting

#### **Goal-Directed Persistence**

The capacity to have a goal and follow through with it.

Living in the moment Difficulty setting goals

Struggles to achieve long-term goals

#### **Working Memory**

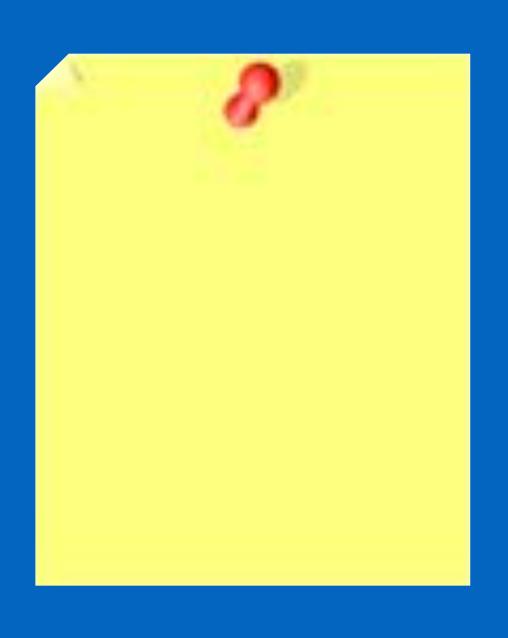
The ability to hold information in memory while performing complex tasks.

Loses papers, pencils, phone

Comes unprepared to class

Struggles to recall facts

## How Big is YOUR postit note?



#### Planning / Prioritizing

The ability to create a road map to complete a task.

Struggles to make decisions about what is important

Does not know where to begin Cannot make a step-bystep plan

#### Organization

The ability to create and maintain a system to keep track of information or materials.

Struggles to keep a notebook/ backpack/ locker clean

Cannot
locate work
to turn in
even when
complete

Papers are crumpled and torn

### Gestault - Organization and Prioritizing







#### **Time Management**

The capacity to estimate how much time one has and how to allocate it.

A sense that time is important.

Struggles with deadines

Late for school

Rushes through work/often turns in late

#### Metacognition

The ability to stand back and take a bird's eye view. To observe how you problem solve.

Poor selfmonitoring skills Struggles to see how others react to their behavior

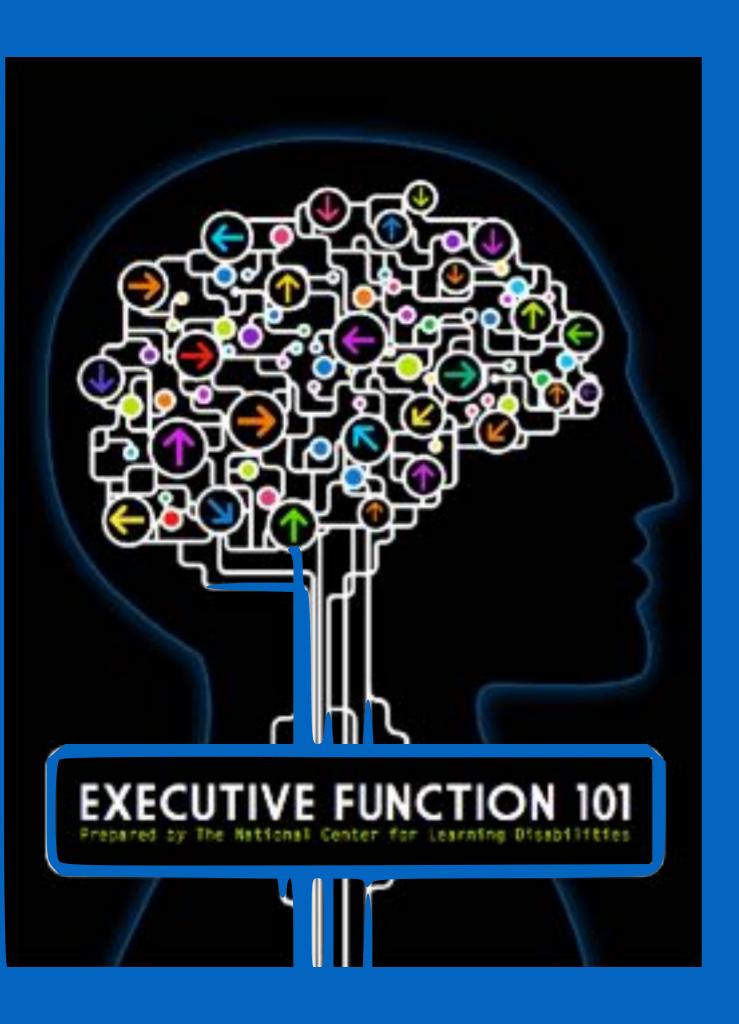
Difficulty picking up on feedback

#### **Stress Tolerance**

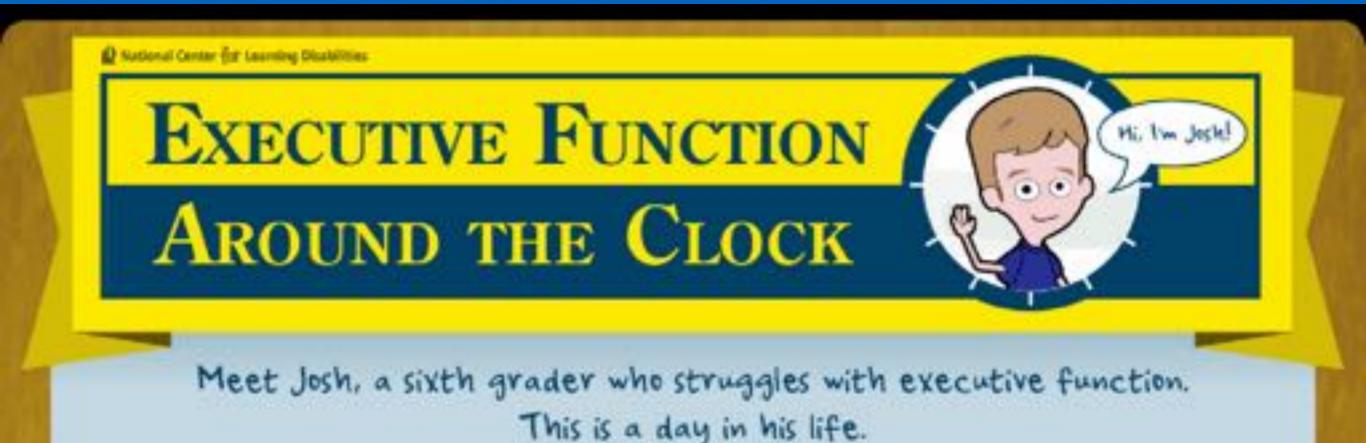
The ability to thrive in stressful situations and to cope with uncertainty, change, & demands.

Complains of headache or stomach-ache

Gets upset during timed activities Unable to tackle problems in order of degree



https://goo.gl/iuas5V



https://tinyurl.com/isbjoshexecutivefun

Meet Josh, a sixth grader who struggles with executive function.

This is a day in his life.



that he he forgotten something. A that's it—his cleats today's game. He sprints back insithe house to get them ... and leave his backpack in the kitchen walks right past the checklist mom made to help him remember what he needs for school. But it's late: The bus is here and about pull away! He's going to miss it ag

EF Area ORGANIZATION

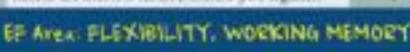
Josh's English teacher stands the blackboard and asks: all me how last night's ading relates to the ords on the board." Every and in the class goes o...except for Josh's. His sart sinks thinking about I the steps answering this sestion takes.

Area: WORKING MEMORY

I don't mou...
I watn't tranking about those words when I read last richt.
I'm so overwhelmed



Time for soccer! A teammate kicks the ball
toward Josh. He knows that in
secon, you do one thing—you kick
that ball as hard as you can! But
where? He can't exactly remember,
so he just kicks. Whom! Ub-ok He's
sent the ball right into his own team's
net. Anger brows on his teammates!
faces as Josh's heart sinks yet again.





but first, Josh has to set the table. Ham. Josh scratches his head and tries to remember exactly what goes at each place setting. He thinks he has get it right this time, but his little sister reminds him that he doese't. How does she' He blows up screaming at her.

EF Arex: ORGANIZATION, EMOTIONAL CONTROL

After hours of caseling from his more, Josh finally sits down to do his homework. But, ugh, where to begin? He knows he has several projects and papers that need attention, but what's due when? What needs done for tomorrow? Overwhelmed, he puts his head down.



#### EF Aren: TASK INITIATION



Delays and procrastination mean that Josh is burning the midnight oil. He is exhausted, but his history paper is due tomorrow. But he just can't figure out a structure for his paper and the steps he needs to take to get it done.

SETTING PRIORITIES

Finally, the paper is done and Josh can eateh a few hours of Z's. But he can't seem to drift off to sleep—he's worried that he didn't do the paper right. And then there's the problem he'll discover tomorrow morning: His discover tomorrow morning: the best of him, and he forgot to put the finished paper in his backpack.

Pincilly, fine proper is done! that did I inven do it right? I can sever tell...

EF AVEA: SELF MONITORING, ORGANIZATION







Why does disorganization rear its ugly head in Middle School?

# ELEMENTARY

- Organized
- One Classroom
- Everything you need is in room
- Transition as a class
- Teacher manages
   your world



# ELEMENTARY

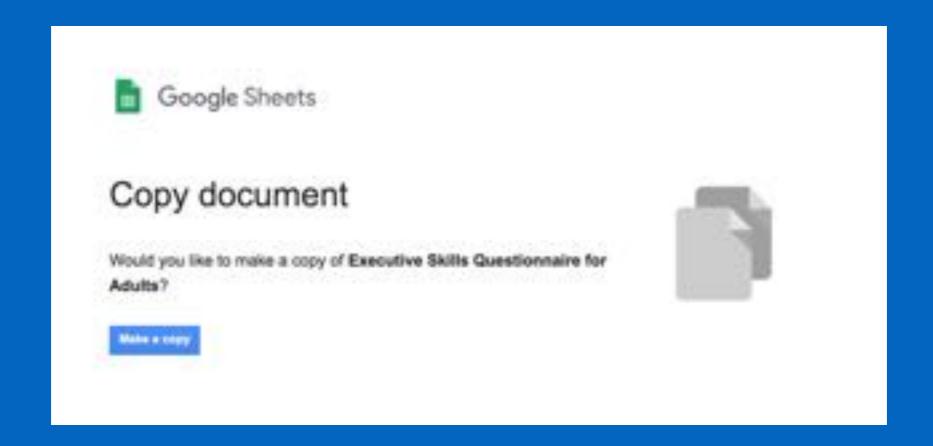
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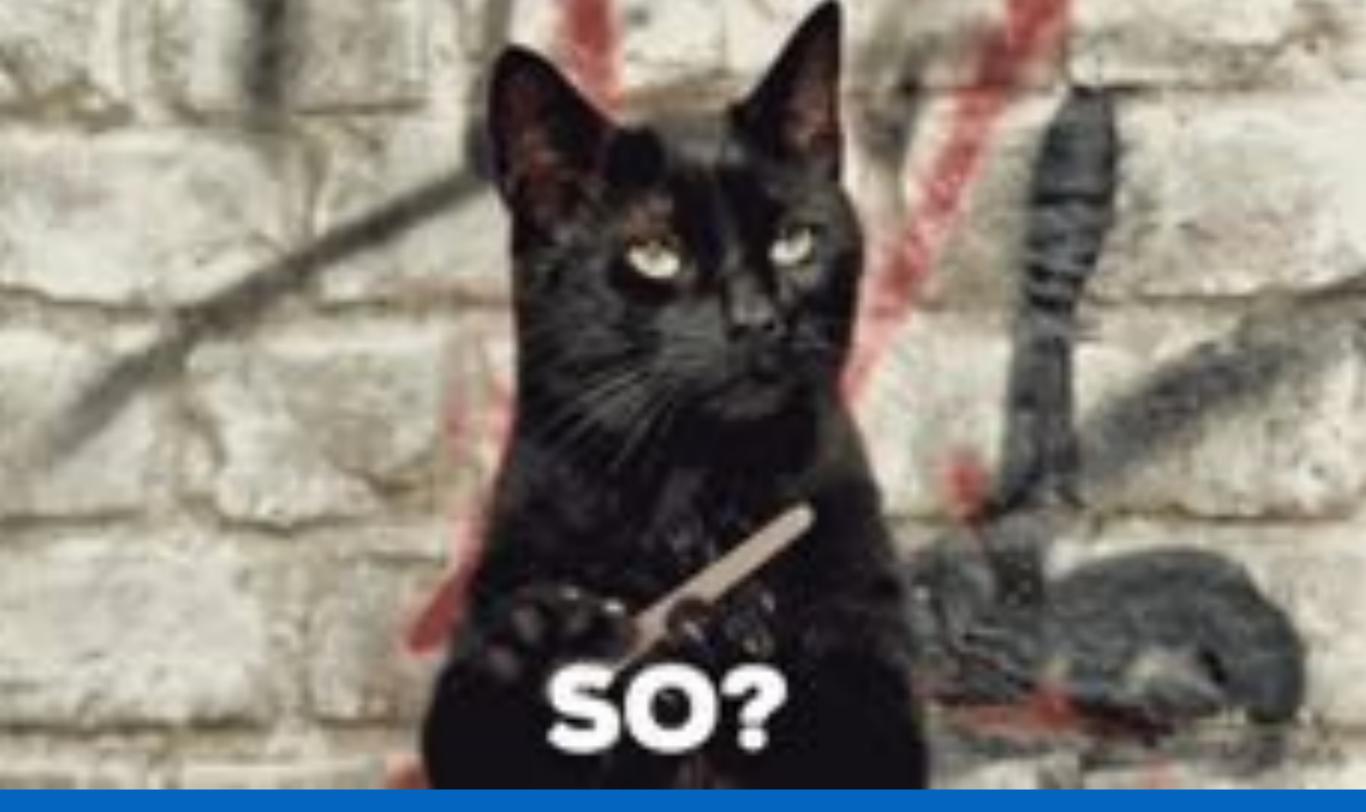
# MIDDLE

- · More unstructured
- Multiple classes
- Locker
- Individual schedules
   & transitions
- You manage your world
- Differing
   Expectations

# Let's figure out your EF strengths/challenges



https://tinyurl.com/executive-functioning-test



What do we do with kids whose CEO's aren't functioning like we want them to?

### "Kids do well if they can."

02

"Kids do well if they want to."

# We lend them ours.







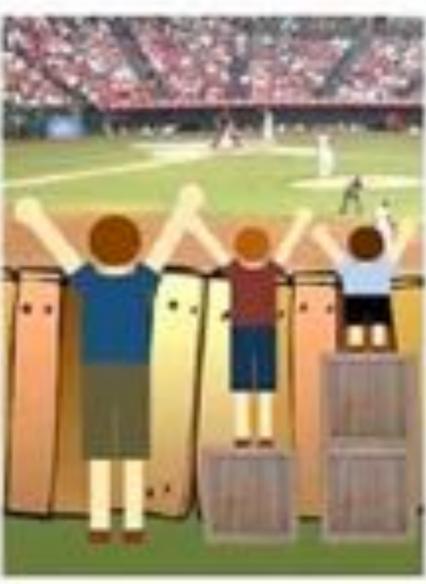
ever ybody gettink what they need In order to be



CLEARING A PATH FOR PEOPLE WITH SPECIAL NEEDS CLEARS THE PATH FOR EVERYONE!

## Universal Design







Use Visuals Graphic Organizers

Timers

Work Sprints

Games

Executive Functioning Strategies

Tech

**Planners** 

Whole School Buy-in

Scaffold

Locker Org.



Working Memory

Metacognition

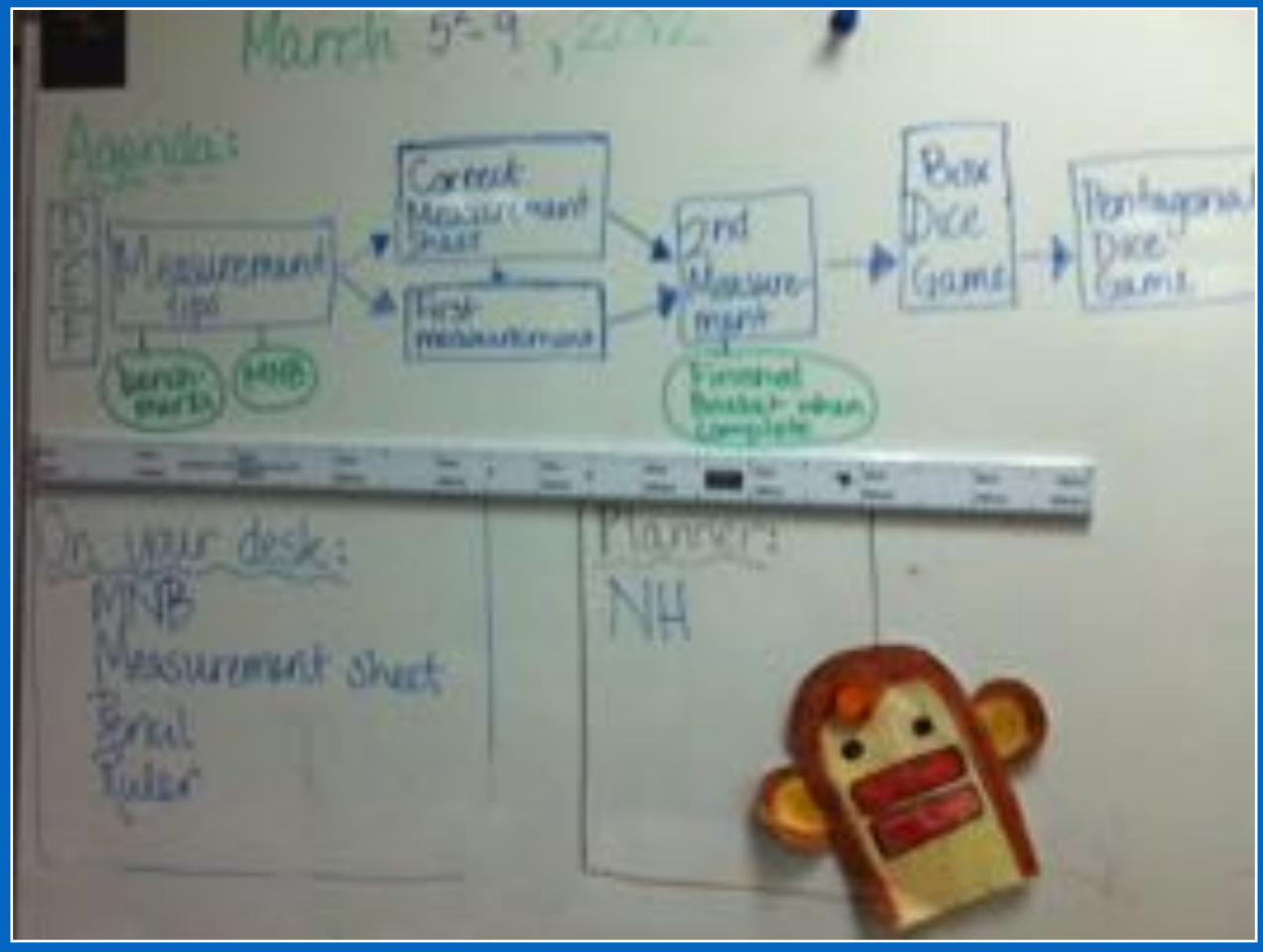
Task Initiation

Sustained Attention

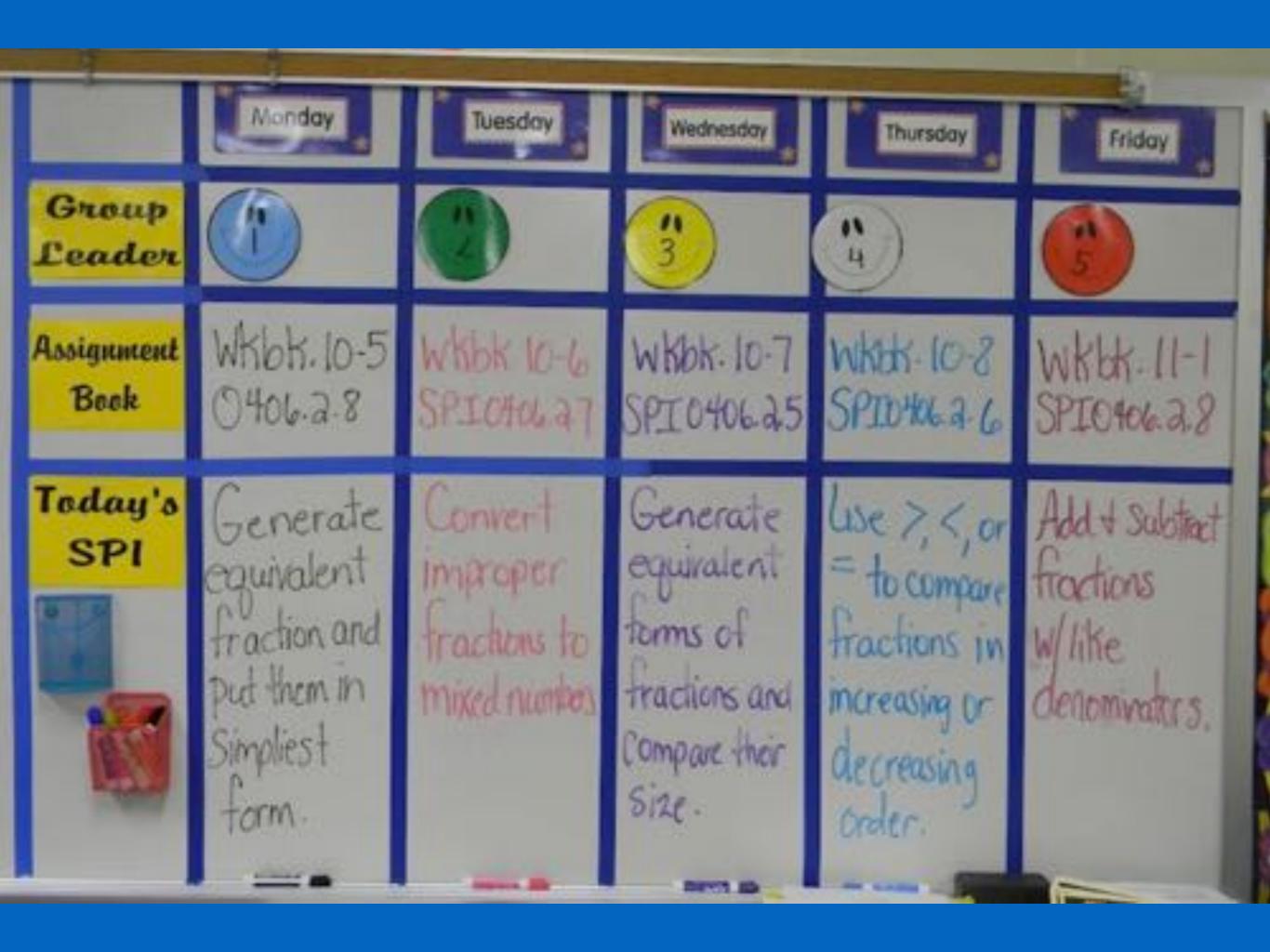
Planning/Prioritizing

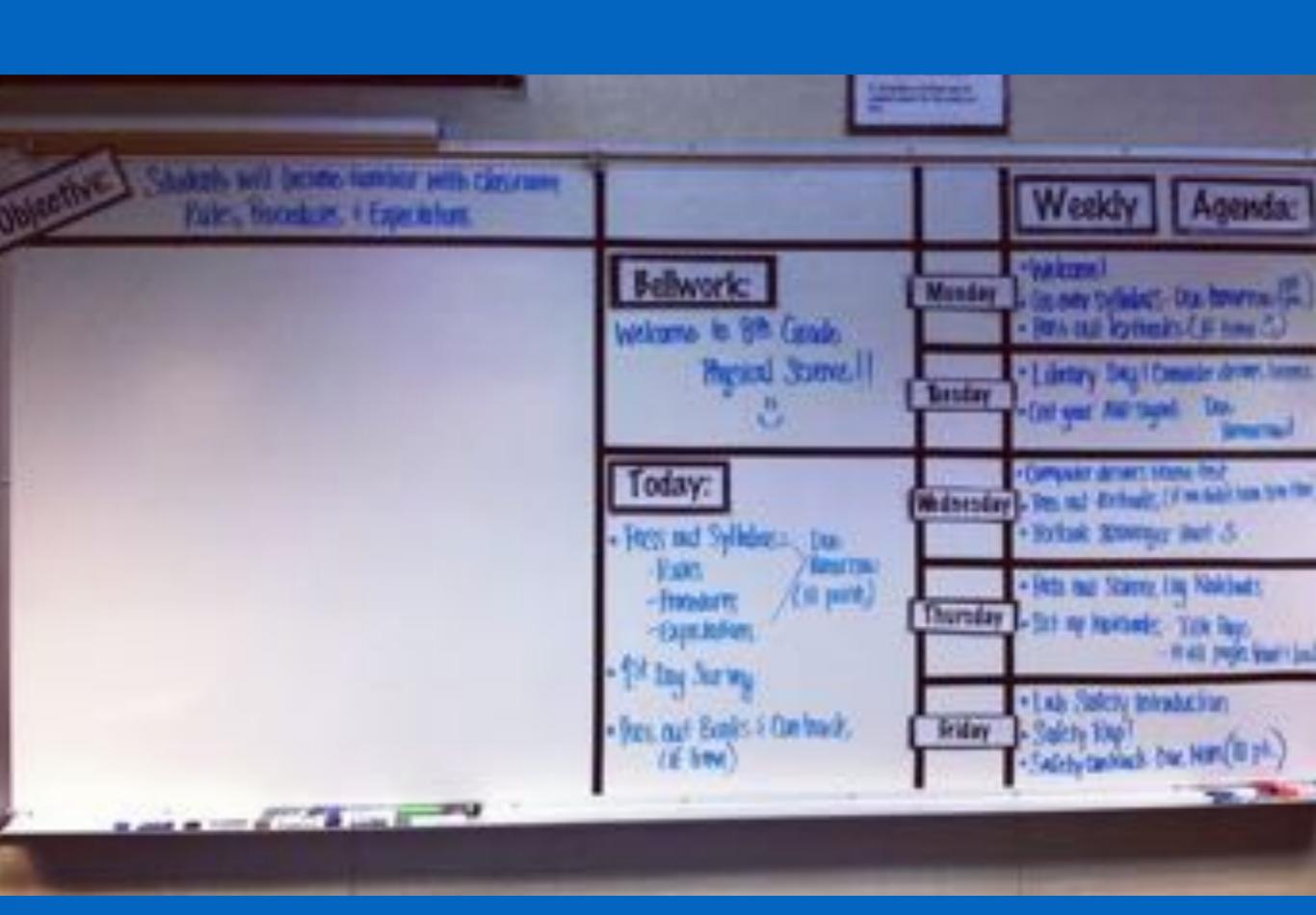


Visual Daily Schedule



International School Manila, 6th grade classroom







Task Initiation

Sustained Attention

Planning/ Prioritization



Task Initiation

Sustained Attention

# FIRST

Non-preferred Activity

# THEN

Preferred Activity

# FIRST



# THEN



## Scaffolding

Working Memory

Metacognition

Task Initiation

Sustained Attention

Planning/Prioritizing

Organization

Metacognition





### PLANET RESEARCH PAPER

Write a report about one of the planets we studied. You should include

information from the topics we studied and include some interesting facts of your own that you find. Have fun!



### Notes on Scaffolding

Speaker:Lori Ball Date:

#### SCAFFOLDING

KEY POINT 1

Break up learning into chunks

SUPPORT

Include small details

Include timelines

Long projects- add in frequent check-ins KEY POINT 2

Provide a tool or structure for each chunk

SUPPORT

Graphic Organizers

Planner organization

Check-ins and feedback

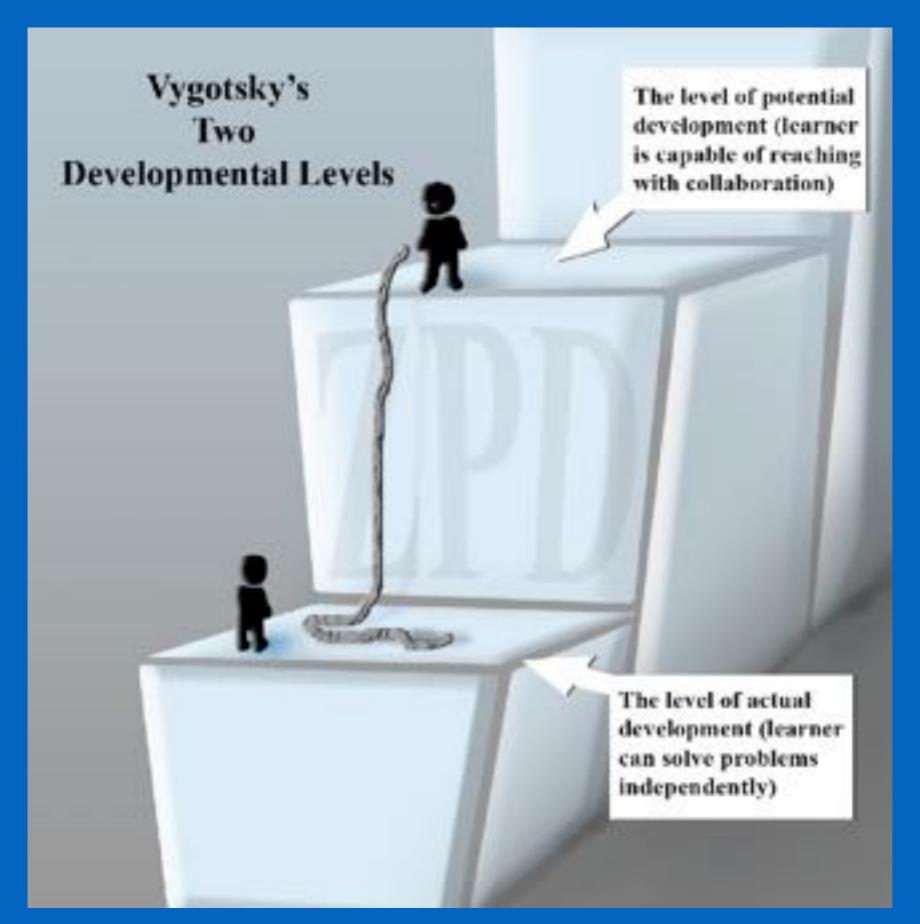
KEY POINT 3

Scaffolding is NOT differentiation

SUPPORT

Good for all students

Zone of Proximal Development



Champ, Birdie. "Zone of Proximal Development." *Birdie Champ: Thoughts on Education*. N.p., 1 Mar. 2010. Web. 6 May 2012. <birdiechamp.files.wordpress.com/2010/03/vygotsky-levels-flat-copy.jpg>.







### The Migration Experience Summative Assessment

### DUE: February 12th SCRIPTS/SLIDES TO GOOGLE CLASSHOOM (LINK TO VIDEO) PRESENTATIONS: January February 12th

You are an internationally-renowned expert on the migrant and refugee experience. You have been invited to the United Nations High Commission for Refugees (UNHCR) conference on supporting inigrants and refugees in the destination country.

During the conference, you will:

- s. Bring awareness to the migrant/refugee experience
- b. Note the successes and difficulties of assimilation.
- c. Note the positive impact of migrants on the country they moved to. How have they assimilated in a impactful way?

## Step 1- Choice: Select one a migrant/refugee person's story from the list.

### PERSONAL CONNECTIONS

A family member or close personal contaction of a successful immigrant or refugee (must have transcript from interview)

### EVERYDAY PEOPLE

Forbes Rich List - 48 are immigrants

### SUCCESS STORIES

Success Story, Burmese migrant in Thailand creates mushroom business.

6 Immigrant Stories that Make you Believe in the American Dream

Syrian Refugeet The Power of a Serian Suscess Story

Chocolate Company in Canada Created by Syrian Refugees

### WILL-KNOWN INDIVIDUALS.

### AMERICA'S POP TRY IMMEDIANTS

### Arneld Sehwarpenogger

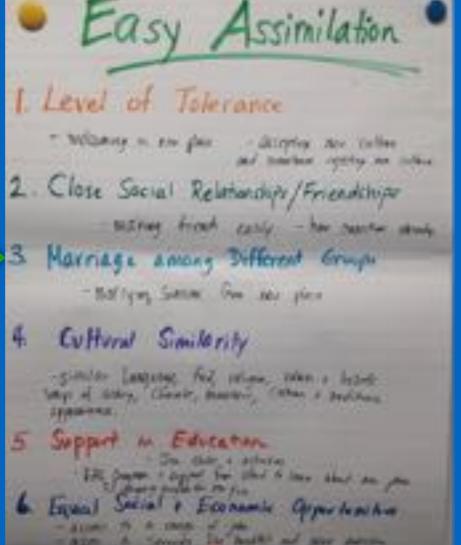
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- Booksale

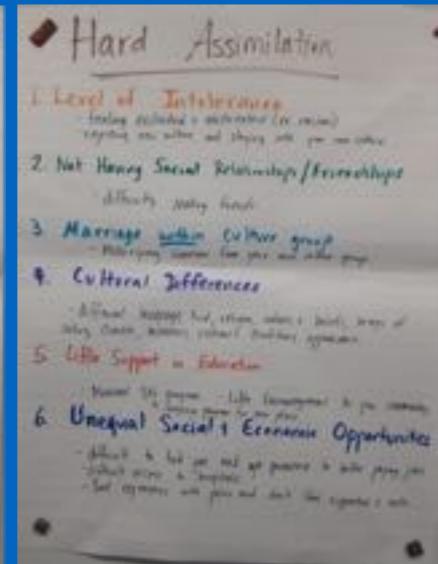
### High Mink (Train)

- Empression
- Bingsply
- Elen Week Stoch
- https://wikedichealing.com/hoods/baidfie/actide/Who.Work/1995015
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- https://chantechnics.com/2015/10/13/ples-musik hogicalog his journey i arrived in https://chantechnics.org/line/0000

# Reliable Resources

# Anchor Charts





# Step 2- Note taking: You should have note eards for each of the below questions--(10 min)

- How has their life changed since moving to the destination country?
- How did they positively influenced/impact the destination exiture?
- How did they assimilate to the destination culture? (What made it easy and/or has, adjust to the new place?)

# Clear Expectations

# Step 3- Final Product

Select one of the options. Create a video (iMovie/Voicethread/Screencast) presentation or a line presentation (Slideshow). You need to compose a script first, Your principles long. You also need visual information (shorts, graphs, plot

# Sentence Starters: The Migration Experience Summative Project

Question 1: How has their life changed since moving to the destination country?

(Describe event). This event changed this person's life when they moved to (destination country) because...

When moving to (destination country), this person's life changed when (describe event). This changed their life because...

# Question 2: How did they positively influenced/impact the destination culture?

(Describe event). This event positively impacted (destination country) because...

(Describe event). This event positively influenced (destination country)

# Sentence Starters

# Step 4- Reflection

Consider the list of the Factors of Assimilation: Level of tolerance, social relationships, marriage among different groups, cultural similarities, education and equal social/economic opportunities.

Select three of the six factors. Compare OR contrast your person with that of another classmate's person.

# REFLECTION

Consider the list of the <u>Factors of Assimilation</u>; Level of tolerance, social relationships, marriage among different groups, cultural similarities, education and equal social/economic opportunities.

Select three of the six factors. Compare OR contrast your person with that of another classimate's person.

YOUR PERSON NAME:	OTHER PERSON NAME:

Organization Provided

The Migration Experience Scoring Guide

Learning Target	Excelling	Meeting	Approaching	Developing		
866 5-5656 54	Demonstrates creative, sophisticated and/or reflective understanding	Demonstrates thorough understanding	Demonstrates some understanding	Demonstrates limite understanding.		
Identity & Diversity: Analyze the ways in which a migrant						
changed the destination rulture.						
(Note cards dt Script)						
Identity it Diversity: Determine the factors which help or hinder migrant assimilation into a society, explaining how and soky. (Note eards it						
Script)						
Communication: Cite specific textual soldence to support analysis of primary and secondary sources. (Notecards & Script)						
Communication Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts.						
(Visuals in Presentation)						

# How can students move up to the next level?

**Provide Exemplars** 

# Planners

Working Memory

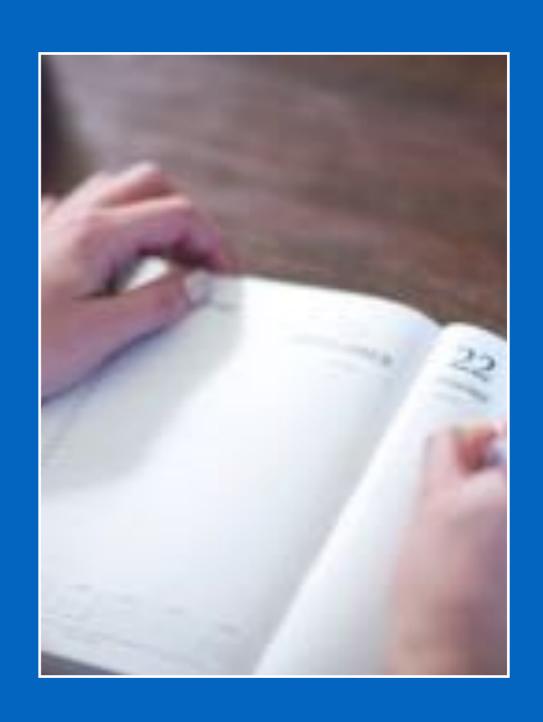
Metacognition

Task Initiation

Sustained Attention

Planning/Prioritizing

Time Management



# The Pen Is Mightier Than the Keyboard: Advantages of Longhand Over Laptop Note Taking





Pam A. Mueller<sup>1</sup> and Daniel M. Oppenheimer<sup>2</sup>

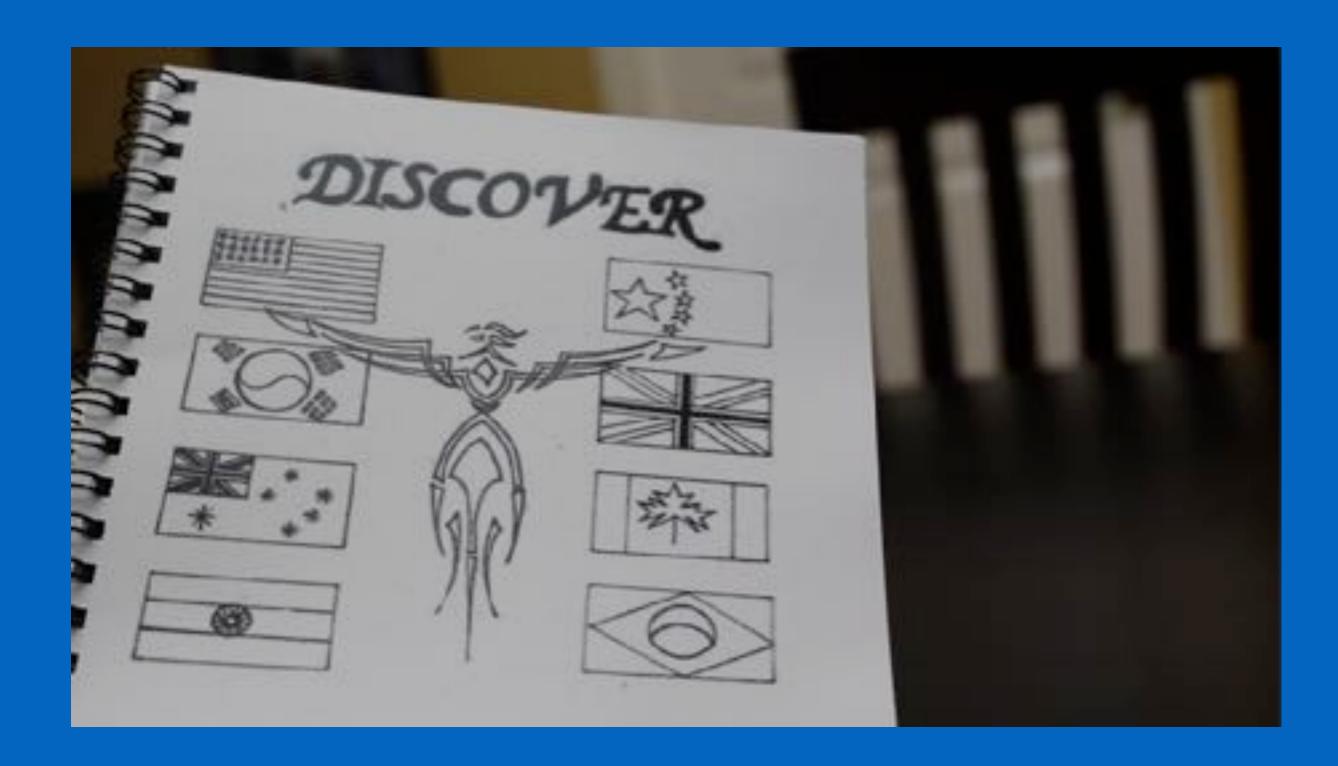
<sup>1</sup>Princeton University and <sup>2</sup>University of California, Los Angeles

Psychological Science
1 10
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DOI: 10.1177/0956797614524581
pss.sagepub.com

(S)SAGE

### Abstract

Taking notes on laptops rather than in longhand is increasingly common. Many researchers have suggested that laptop note taking is less effective than longhand note taking for learning. Prior studies have primarily focused on students' capacity for multitasking and distraction when using laptops. The present research suggests that even when laptops are used solely to take notes, they may still be impairing learning because their use results in shallower processing. In three studies, we found that students who took notes on laptops performed worse on conceptual questions than students who took notes longhand. We show that whereas taking more notes can be beneficial, laptop note takers' tendency to transcribe lectures verbatim rather than processing information and reframing it in their own words is detrimental to learning.



# 66 Days

# 66 Days

The amount of time it takes to form a new habit.

# List

- 1. Math-page 14.7
- 2. History-read pas 16-32 and take notes
- 3-L.A. write 2 paragraphs reflecting on today's reading

# List

- 1. Math-page 14.7 25min.
- 2. History-read pas. 16-32 45 mm.
- 3. L.A. write 2 paragraphs 75 min

# The Pomodoro Technique "Work Sprints"



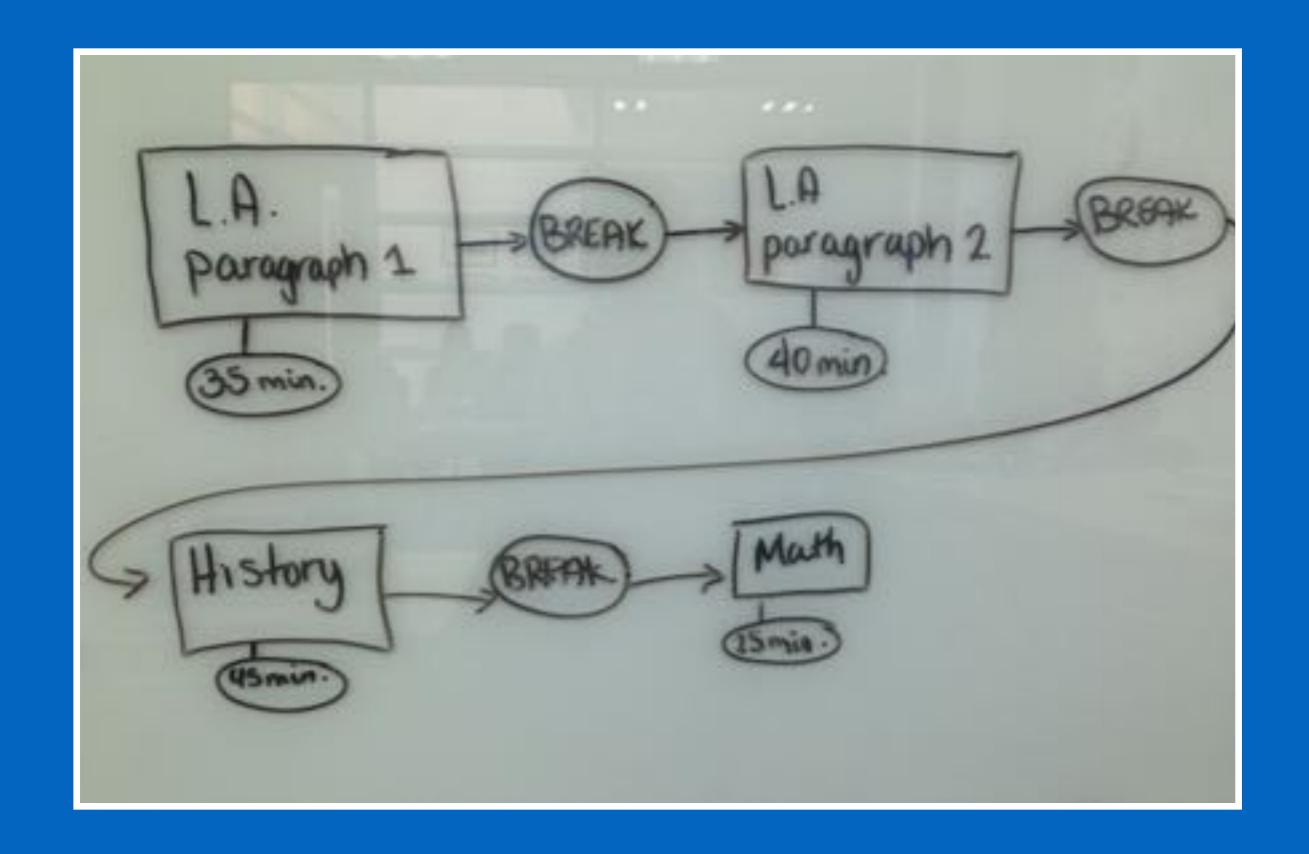
Response Inhibition

Planning/Prioritizing

Stress Tolerance

Working Memory

Task Initiation





# SelfControl

A free Mac application to help you avoid distracting websites.



SelfControl is a free and open-source application for macOS that lets you block **your own** access to distracting websites, your mail servers, or anything else on the Internet. Just set a period of time to block for, add sites to your blacklist, and click "Start." Until that timer expires, you will be unable to access those sites—even if you restart your computer or delete the application.

# Locker/Desk Organization

Color-code by subject

Provide dividers or shelves

Periodic locker checks

Paper is the enemy

- Language Arts-Black
- Math- Red
- Social Studies-Green
- Science- Blue
- Mandarin- Pink

# Use different-colored bracelets as homework reminders.









Once your child knows what color goes with each subject, buy her a set of corresponding rubber bracelets to take to school. Encourage her to slip a red bracelet on her wrist, for example, when she's assigned reading homework. Then remind her to check her wrist when she gets home. She can look at her bracelets to remember which assignments she needs to work on.





# Graphic Organizers & Brain Frames

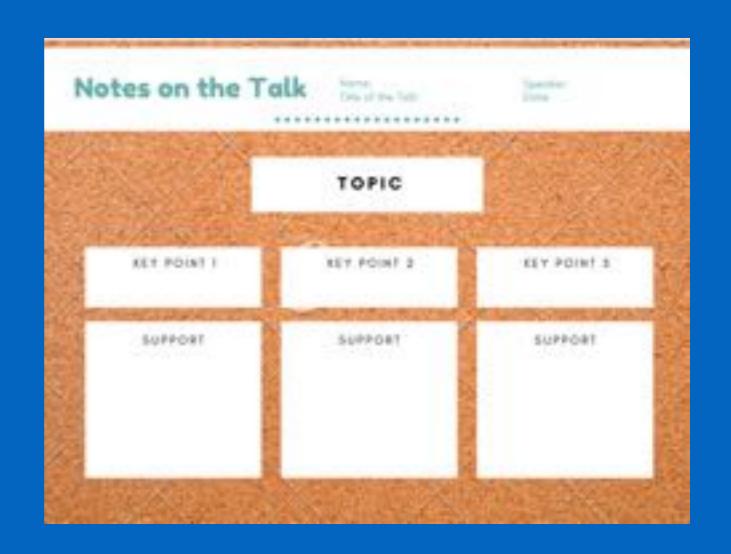
Planning/Prioritizing

Organization

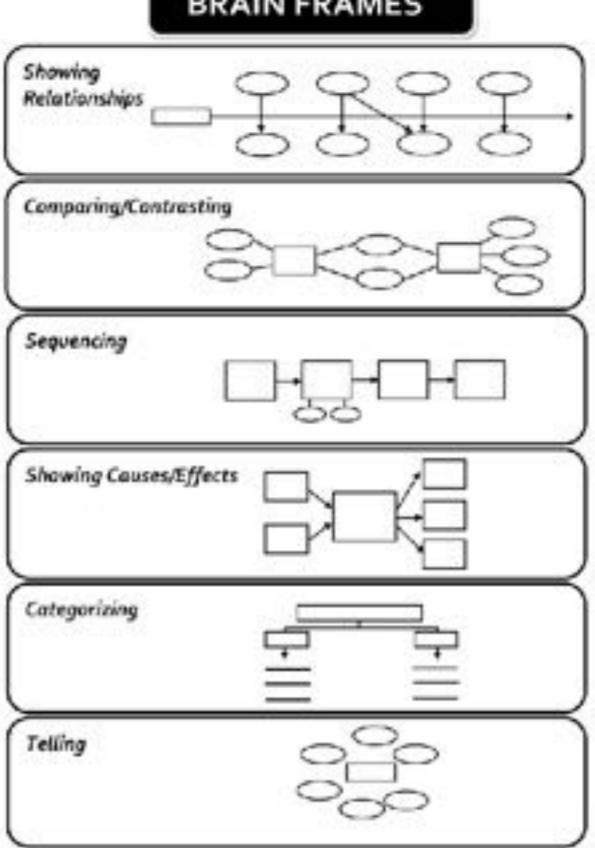
Time Management

Task Initiation

Working Memory

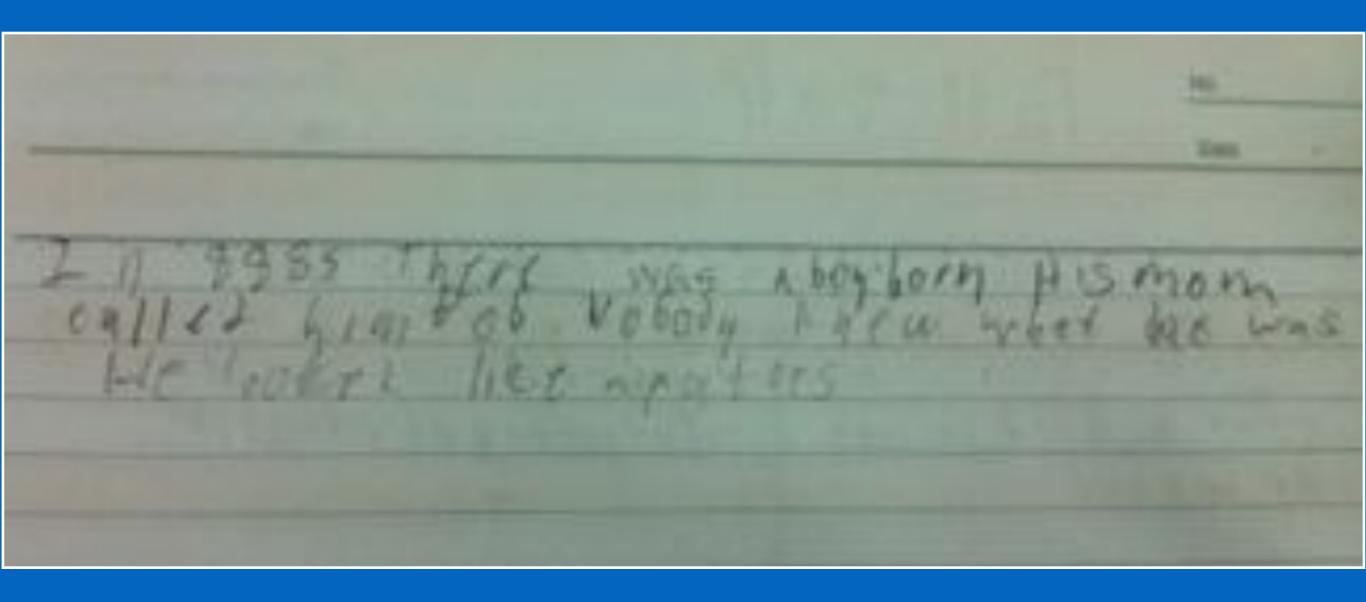


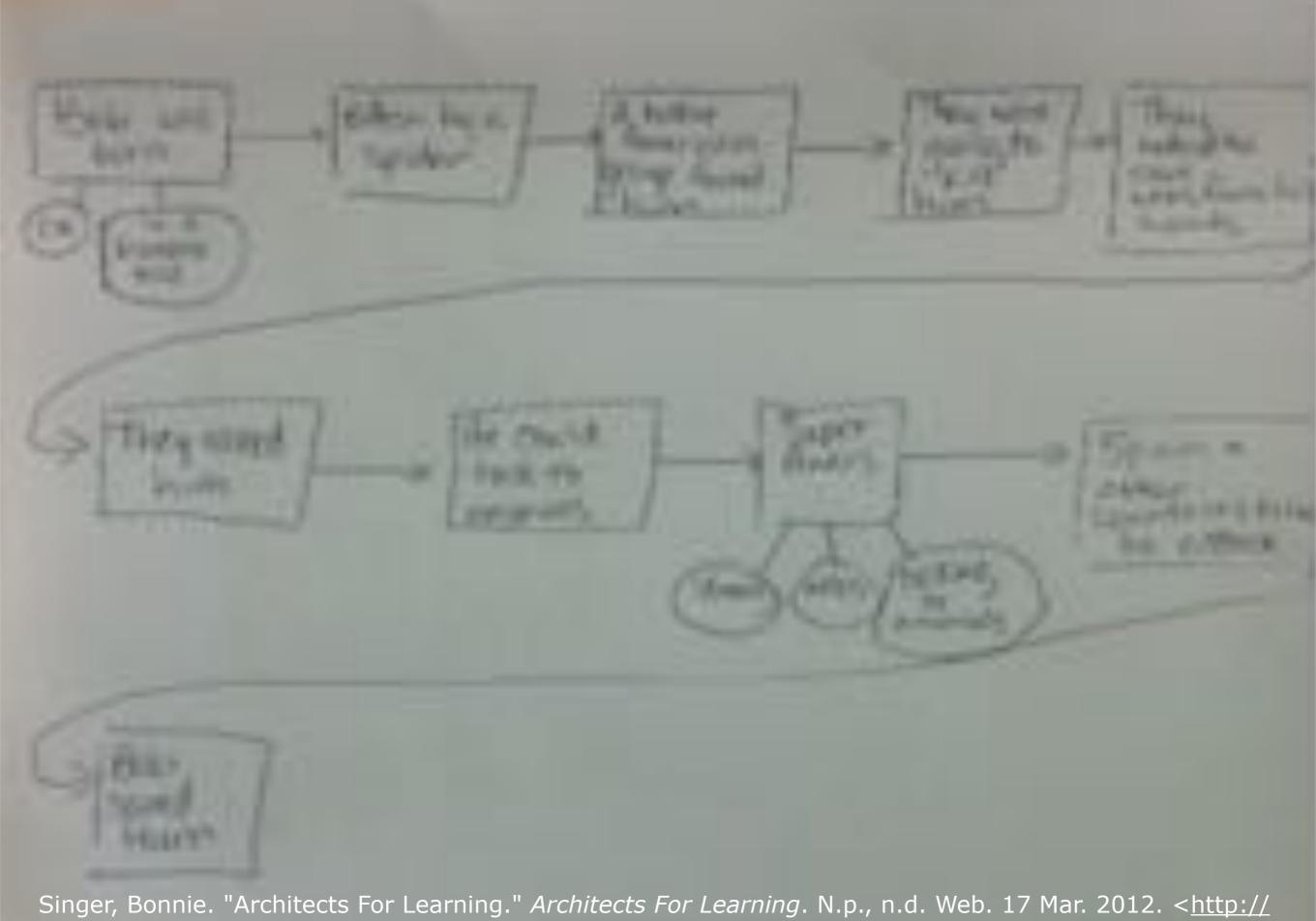
# BRAIN FRAMES



# Bonnie Singer

Brain Frames





www.architectsforlearning.com

Once upon a time there was a larg named that born in Colfornia in 1385, his was born in a berraria. That was bittern'ny a spriler. Native American groups were collecting food and they were about to set his head but their stopped because the being in the berraria shot week out of his hands so the Native American couldn't set.

He was raised by the Native Americans and was lought to short amoves and use spears to hunt, thut when he was still enough to hunt he hunted a different way, theread of finding the aminois, he native animals to him and than allest them.

Later on in No. the the Native American group tourst out that he had auper gowers. He became big in the Native-American-proup hut other Native American proupe did not like him because it was hartier to also fined and late over other her that tiles. When he wan about a year older follow Americans from another Nibe Teet. to allood him with provinc. He didn't ration until one hit right in front of his face. He looked all a free and the free looked back at him. He pinhed it up from the ground and three it at the Native Americans, Later on that evening he walked back to his tribe with the dead bodies and that right they had a feast. Over bine their learned that he had many super powers such se shooting webs. busine alreangth anal assists to last to arronals. When augitorers from Spein thed to rake over the tribe's land he made-guns and submisout of webs and he picked up twee that looked sad and boulders. that were mad and force them at the stops. They finally retreated. Man the news got to Spain and other sourbree they all tearned up. They all attacked at prop. He told he history American title to stinu back. He award up to their strips and cknowl abount, When

-

the strip captain case force, he focus in four and peoplifie paints and the root of their jumped precisional and were eater by man-eating abants. Then he dot that to enotine stop which was the consmand stop and they all focus in place and peoplie the poster, and they were went one by one and puened them one the ocean and they were all eater by sharks. When the news get book to Sidesin that they get defected he went with all the army to alleads and he went up to their stop again where time they because and the stomped his fool on the stop and it broke in half he cost sharks to come and set everytooty and rode one of the sharks book to land. After the alless to the first and rode one of the sharks to come and set.

# Banana boy

Once upon a time there was a boy named Bob born in California in 1585. He was born in a banana that was bitten by a spider. Native American groups were collecting food and they were about to eat his head but then stopped because the baby in the banana shot webs out of his hands so the Native American couldn't eat the banana.

He was raised by the Native Americans and was taught to shoot arrows and use spears to hunt. But when he was old enough to hunt he hunted a different way. Instead of finding the animals, he called animals to him and then killed them.

Later on in his life the Native American group found out that he had super powers. He became big in the Native American group but other Native American groups did not like him because it was harder to steal food and take over cities from that tribe. When he was about a year older Native Americans from another tribe tried to shoot him with arrows. He didn't notice until one hit right in front

# Homework Plan

Humanities

Modern Lang.

Math

Science

Check Haiku

Read 20 minutes

Check Haiku

Define 10 vocab words

Check Haiku



7.3 problems I-30 odds

Review for test on Friday

Check Haiku



Finish lab report due Wed.

Grayson\*\* has been doing really well with the Graphic Organizer! Thank you for introducing it! Homework seems to be getting done more efficiently. And he is not missing the many web page checks that were sabotaging his success... (He now has time to run before dinner if he doesn't have a sports practice (SUCH a bonus for him!) He also seems more calm, somehow... Like now he feels like he has a way to keep things under control.

GOAL	To complete homework for: (Date)											
PLAN	Subject 2 Subject 3		Assignment 1 Assignment 2						Material Needed			
									Material Needed 2.			
			Assignment 3						Material Needed 3.			
	Subject 4					Y	nt				tertal f	
REVIEW	How I did (m) Self-Rating:				4	5	6	7	8	9	10	_
	Coach Rating											
	Parent:		2						8	9	10	
	Teacher	1	7	9	4	5	6	7	8	9	10	
	What helped, what worked?						What was wrong or missing?					
							=					
						-						
FUTURE SUGGESTIONS	Next time i sh	noule	1:									

# **Planning**

# Metacognition

# Tech that can help





https://goo.gl/MvLFEc

























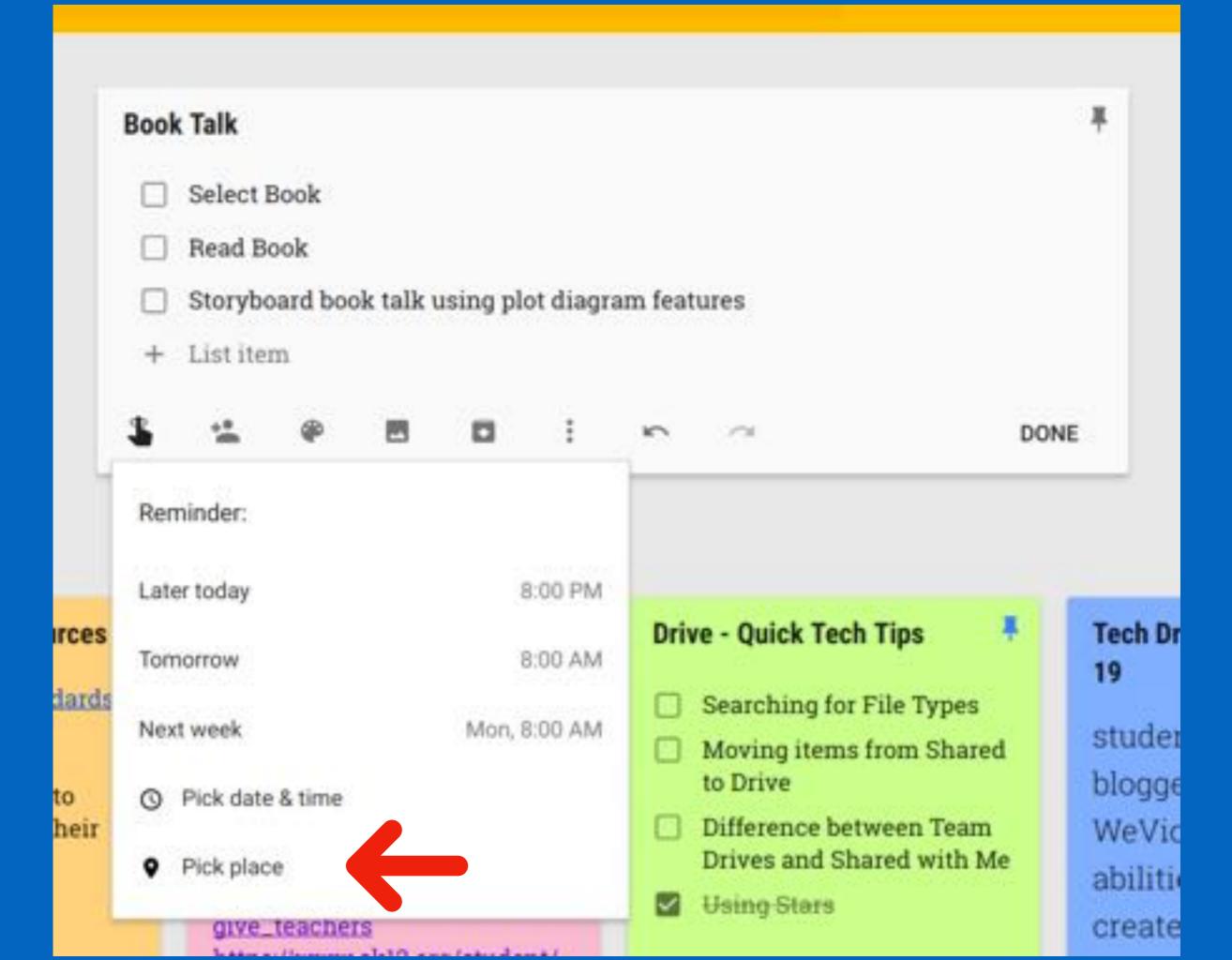






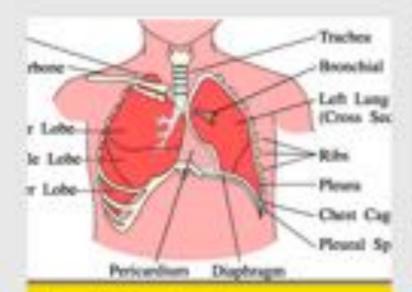




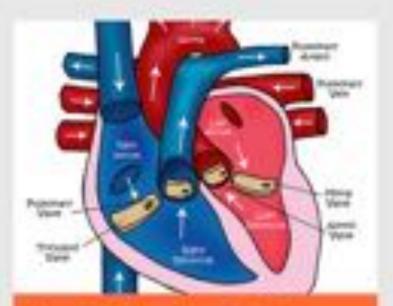












# Respiratory System

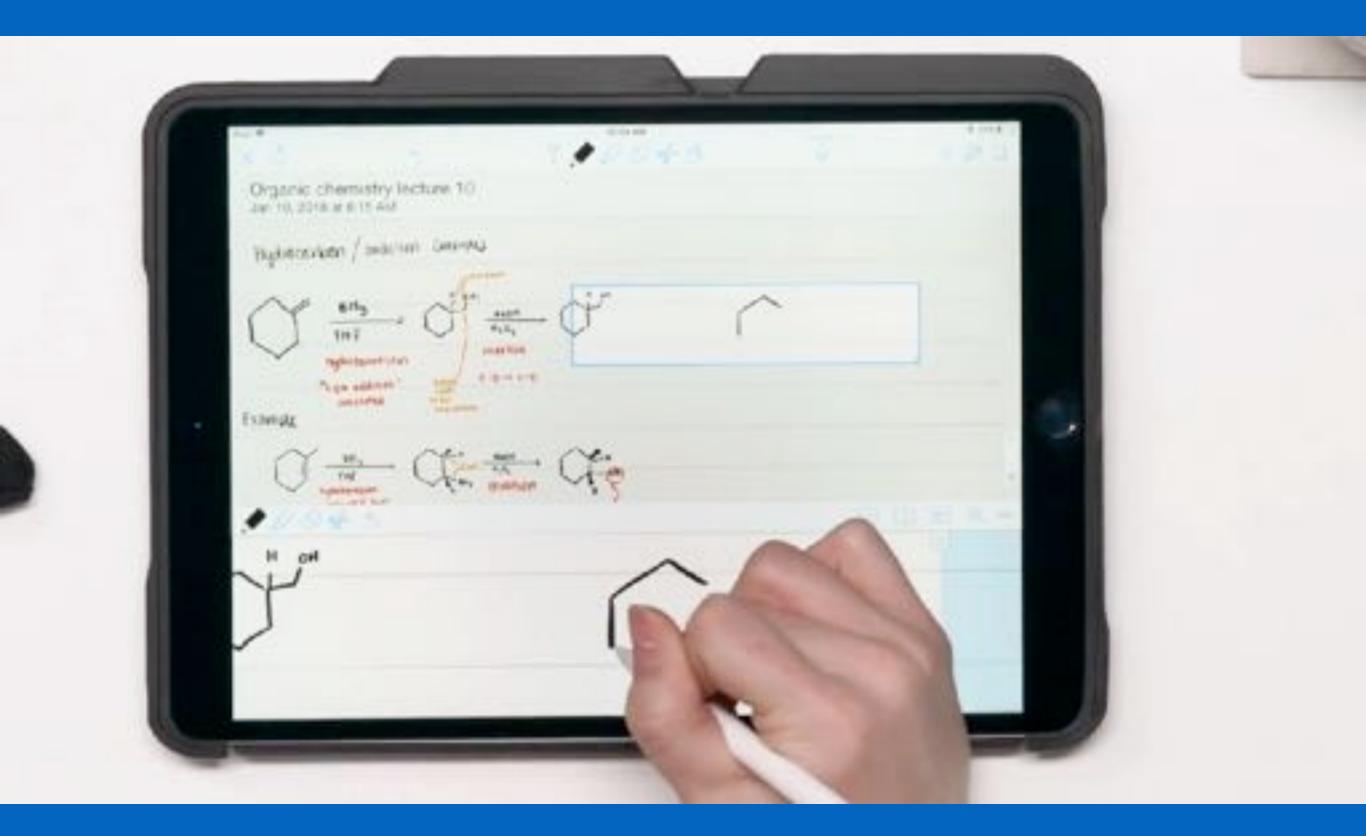
- main organ: lungs
- when you breathe, lungs fill with air
- we breathe in oxygen
- we breathe carbon dioxide
- lungs are protected by ribs
- system: trachea, bronchi, bronchioles,

# Skeletal System

- human bones grow from birth until mid 20's
- themselves
- human skeleton has 300 bones at birth
- by adulthood, 206 bones
- middle ear
- longest bone is the femurthigh bone
- bones bones

# Heart & Circulatory System

- the heart is a part of the circulatory system
- of your body
- the parts of the body
- out of the body
- important muscle in the body
- heart pumps even when you are sleeping





Cornell Notes	Topic:	Course:				
		Class:				
		Date:				
Essential Question:						
Question/Cues:	Notes: Pro tip – Highlight what's important!					
Summary:						

# www.efintheclassroom.net



Home

Lesson Design

**EF Skill Lessons** 

Student Comments

Contact Us



Executive Functioning in the Classroom

Peg Dawson



# www.seniainternational.org



Phil Bowman





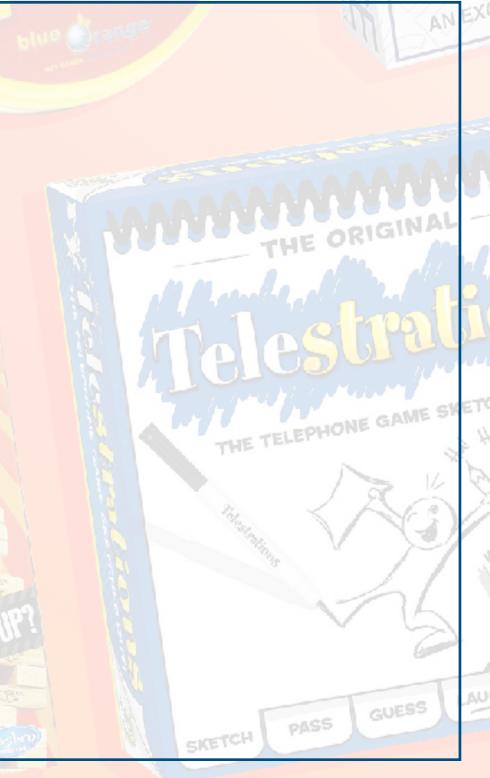
Bonnie Singer

Lori Boll and Pricilla Leighton

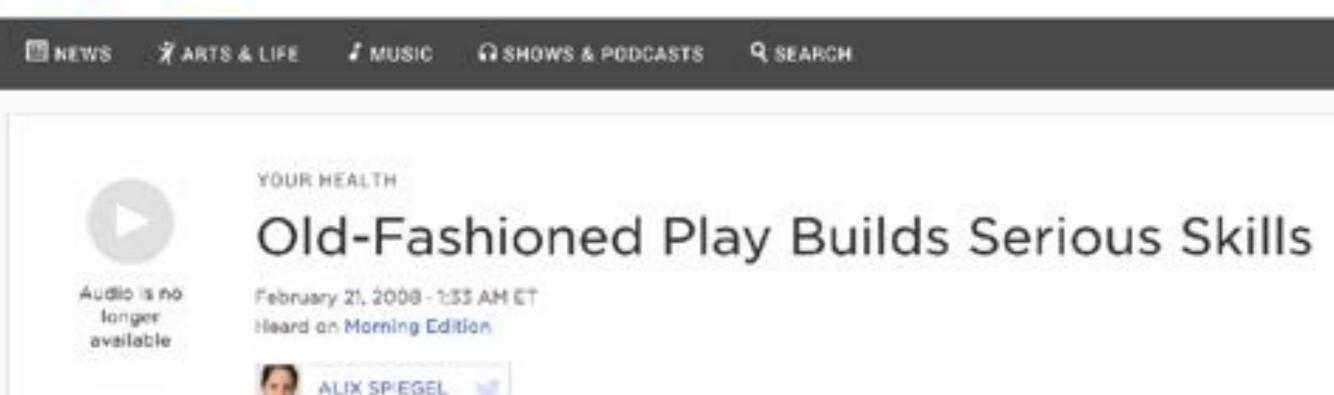


# GAIMIES

- Sustained Attention
- Response Inhibition
- Working Memory
- Flexibility
- Emotional Control
- Goal-Directed Persistence







"Today's 5-year-olds were acting at the level of 3-year-olds 60 years ago, and today's 7-year-olds were barely approaching the level of a 5-year-old 60 years ago," Bodrova explains. "So the results were very sad."

# lay is the highest form of research.

- Albert Einstein



# Resources

- www.understood.org
- www.ldonline.com
- Give the Kid a Pencil, Chad Donohue
- Teaching with visuals in the science classroom
- Smart But Scattered- Peg Dawson/Richard Guare
- <a href="https://www.ldatschool.ca/working-memory-difficulties/">https://www.ldatschool.ca/working-memory-difficulties/</a>
- https://hbr.org/2016/03/sprints-are-the-secret-to-getting-more-done'https:// www.ldatschool.ca/working-memory-difficulties/
- <a href="https://www.npr.org/templates/story/story.php?storyId=19212514">https://www.npr.org/templates/story/story.php?storyId=19212514</a>
- mind up curriculum by Goldie Hawn

