

Executive Function Skills with Sarah Ward Webinar Series

Presented by Sarah Ward, MS, CCC-SLP Friday, July 29, 2021

Presentation Handout

Part 1 - Learn it Today, Use it Tomorrow!

Practical Interventions for Helping Students Develop Independent Executive Function Skills

Session Schedule

All times Pacific Time.

10:00 - 11:30	Presentation
11:30 - 11:40	Break
11:40 - 12:00	Q & A Period

*This schedule will be used for all four sessions

Session Descriptions

To review the learning outcomes for each session, visit: <u>www.actcommunity.ca/executive-function-skills-with-sarah-ward-</u> webinar-series.

Tips for Improving the Zoom Experience:

- Join the Zoom webinar at 9:45 to give time to address technical issues.
- Ensure you have an up-to-date version of Zoom installed: <u>www.zoom.us/download</u>
- If you are viewing in a web browser:
 - Check that your browser is up to date.
 - If you are having trouble with Internet Explorer or Safari, try<u>Google Chrome</u>.
 - Close all other open 'tabs'. [These use your computer's memory and slow the connection]



Acknowledgements

ACT – Autism Community Training is pleased to bring back Sarah Ward to present on Executive Function training via web streaming. We thank to Sarah Ward and everyone at Cognitive Connections for agreeing to facilitate this important four-part webinar to provide practical resources and techniques that enable parents and teachers to tackle the challenges of executive function for those with autism and other neuro-developmental challenges.

As we all struggle to keep our communities healthy, ACT is pleased to be continuing our presentations online while maintaining the safety of attendees, staff, and our presenters.

Over the years, those who have attended ACT events know that we depend on community collaboration and support to sustain our work as we are a small not-for-profit. We deeply appreciate the many parents and professionals across British Columbia who volunteer their time, donate funds, and help spread the word - especially during these challenging times.

Support evidence-based resources – <u>Donate to ACT</u>!

Free Resources from ACT

ACT's Coronavirus (COVID-19): Resources for the Autism Community - ACT has gathered resources specific to those who are neurodiverse, and useful general resources related to COVID-19: www.actcommunity.ca/covid-19-resources

Autism Videos @ ACT (AVA) – Nearly 70 quality online videos available free – without a log-in, thanks to our sponsors. <u>www.actcommunity.ca/videos</u>

ACT's Autism Information Database (the AID) – Like Google for Autism but better! Keyword search nearly 1,400 curated AID records for evidence-informed, practical information resources useful to families and community professionals. <u>www.actcommunity.ca/aid</u>

ACT's BC Community Resources Database – Search by your postal code for professionals and service providers throughout BC. <u>www.actcommunity.ca/aid-search/community</u>

ACT in Chinese – www.actcommunity.ca/information/act-in-chinese

ACT's Autism Manual for B.C - 13 chapters! www.actcommunity.ca/autism-manual-for-bc -

ACT's Monthly News Round-Up & Event Alerts - Sign-up to keep in touch with developments affecting the special needs community. <u>www.actcommunity.ca/updates</u>

ACT's Facebook - ACT carefully sources interesting, insightful stories to inform our 8,000 plus followers. <u>www.facebook.com/autismcommunitytraining</u>

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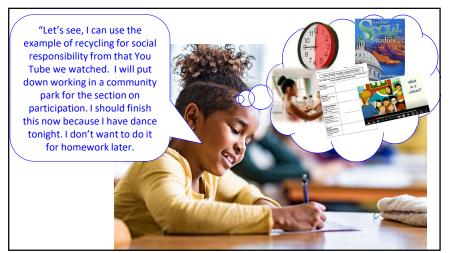


Learn it Today, Use it Tomorrow! **Practical Interventions for Helping Students Develop Independent Executive Function Skills**

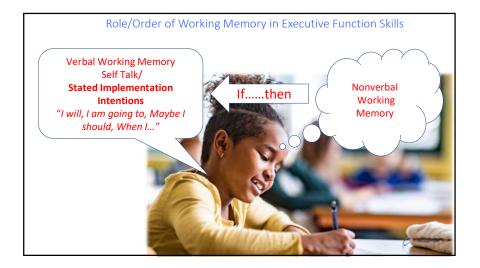
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Nonverbal Working Memory and Self Regulation

Working Memory: Holding information in your mind while mentally working with it or updating it

• Critical for anything that unfolds over time

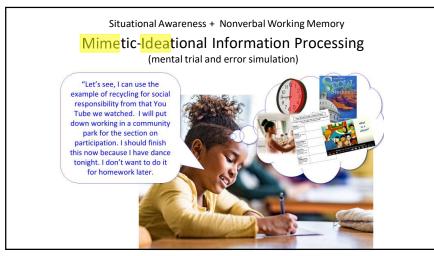
Inhibitory/Self Control: Resisting the strong inclination to do one thing and instead do what is most appropriate

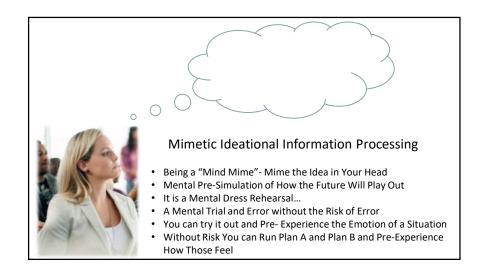
- Attention resist distractions
- Emotion resist giving up
- Behavior resist impulse to do an action
- that is inappropriate

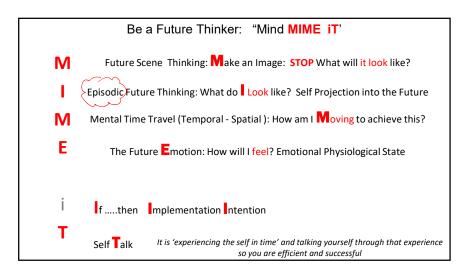
Planning: Use of cause and effect & means to an end reasoning needed: "if.....then....." thinking.



Situational Awareness/Intelligence STOP and Read the Room				
Space	Time	Objects	People	
Navigate the Room	Get on the Timeline	Organization/Objects	Read the Person: ROLE	
 Kind of space? What's going on? Is it Expected or Unexpected? Pathways used to Navigate to different areas within the space? Is there a shift between wide angle lens of the space(Whole), the zones (parts) and the details? 	 Time of day Kind of time? What is happening at this Moment in Time Sequence of actions Pace What is coming up? Predictable? 	 Organization of The Space: Whole-Parts How is that part organized? Location of objects: In sight? Out of sight? Purpose/Priority of objects? Necessity & Relevancy 	 Face Body Appearance Mood Pace Saying-Tone 	



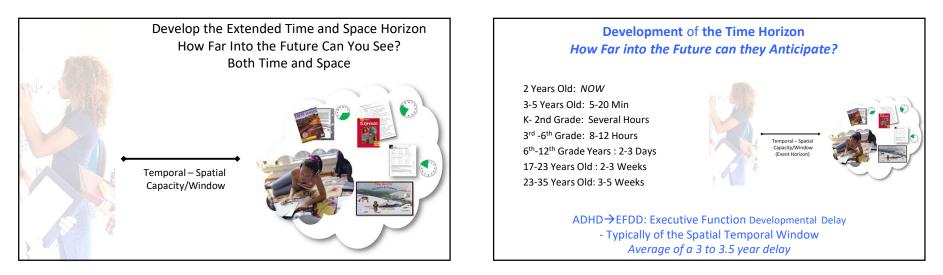












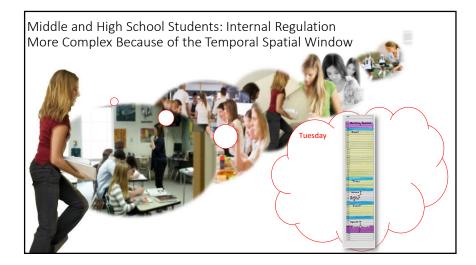
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Facilitating Independent Executive Function Skills

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Executive Function Skills Across the Day

- Being Ready for Class
- Morning/Departing Routines
- Transitions within and between classes
- Managing Papers and Materials
- Completing work within time frames
- Homework
- Accurately Record
- Know what to do
 Have the Required Materials
- Turn it In
- Study for Exams
- Complete multi-day/long term projects

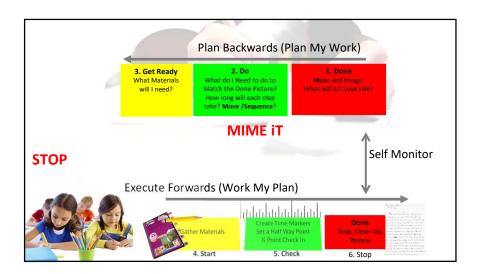


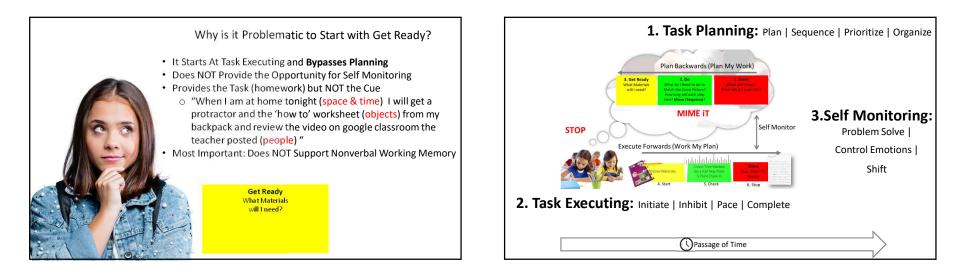


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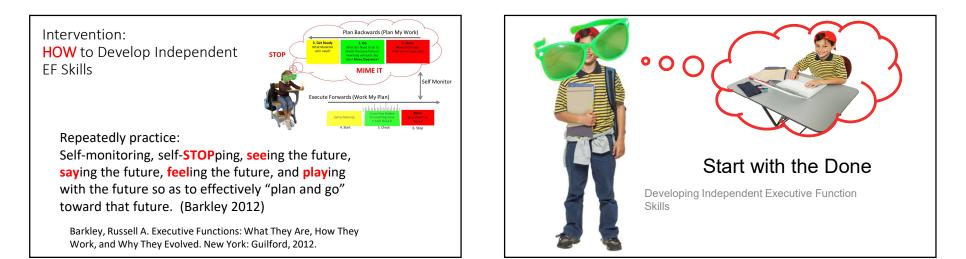




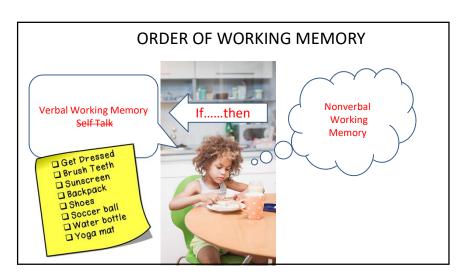
How Executive Function Challenges Present

Doesn't bother to write down assignment; forgets the directions	Can't find things in backpack/desk/cubby/locker or leaves a "paper trail"	Forgets to bring materials back and forth between home and school	Overwhelmed by large assignments; doesn't know how to start
Chooses fun stuff over homework or chores	Does things either quickly and messily or slowly and incompletely	Sticks with a plan, even when it is clearly not working	Leaves long-term assignments or chores until last minute
Procrastinates or doesn't study at all	Loses or misplaces or leaves things (assignments, books, lunchbox, notebooks, jacket, etc.)	Does work, but forgets to turn it in	Does not seek help when stuck

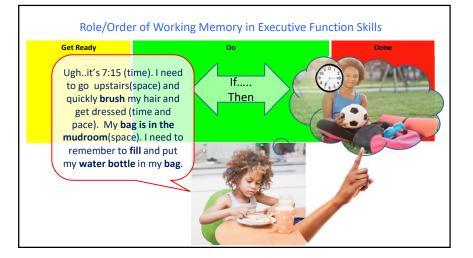
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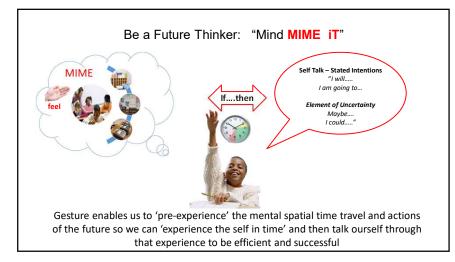


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Representational Co-thought Gesture We Gesture to Pre- Experience Mental Spatial Time Travel

- Co thought gestures are really just an outgrowth of how we mentally simulate planning (performing actions to go from the first to the final step)
- Gestures give life to our mental scratch pads, allowing us to perform actions with our hands before we have to do them in real life or before we have even thought these activities all the way through to put them into words
- Gesture helps infuse planning with an emotional charge to make the memory for it more enduring

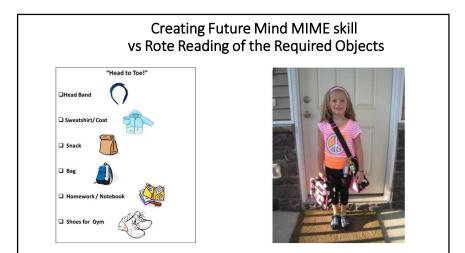


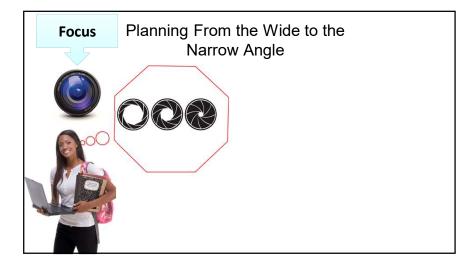


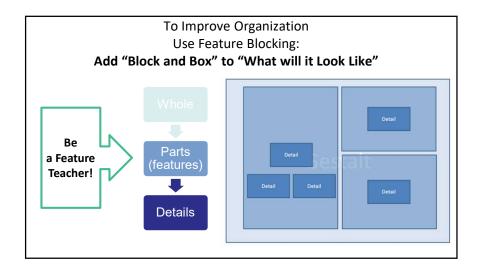
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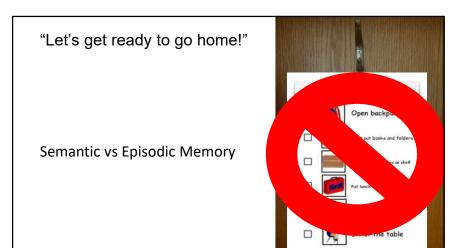


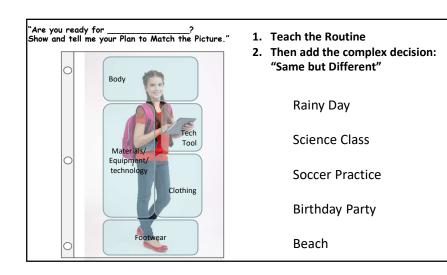
Make an Image - What will I look Like? "Tell me your Plan to Match the Picture!"

Block and Box to Increase Processing Speed Laminate or Put in a Plastic Sleeve Protector to Keep it Dynamic!

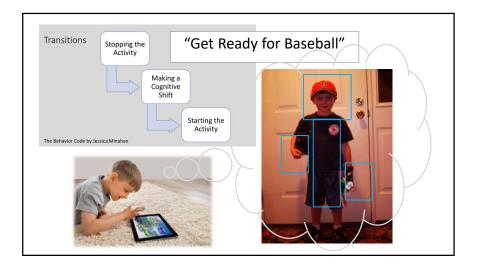
Same but Different! Develops Cognitive Flexibility

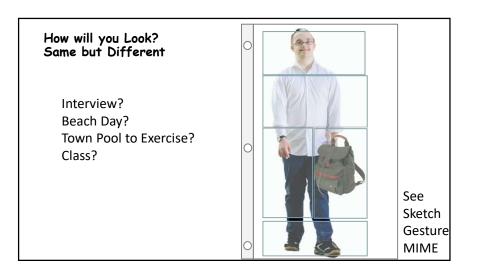












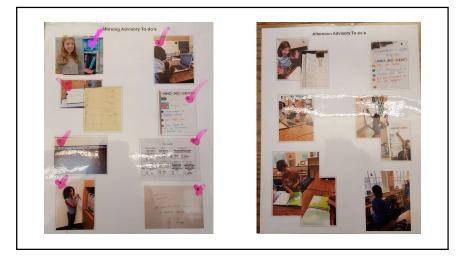
Benefit of Photographs to Access Nonverbal Working Memory

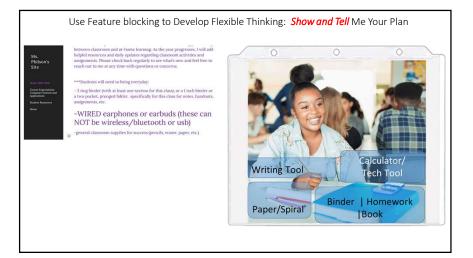
- Give a check for completeness: Are all the parts there?
- Give a check for coherence: Does it make sense?
- Forces Abstraction
- Give you platform for inference: Can make some causal inferences
- Promote Collaboration & We watch each others' gestures
- Encourages Prediction
- Helps to take Perspective

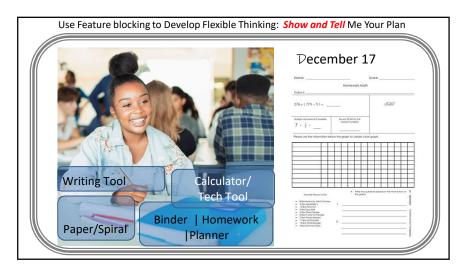


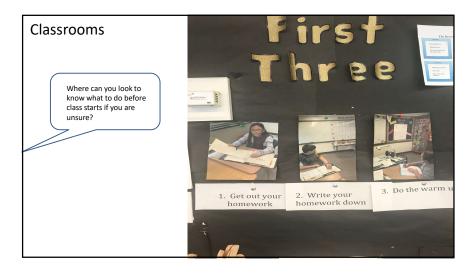
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Use Photographs to Develop NonVerbal Working Memory **MANAGING MATERIALS:** for Goal Directed Future Thinking START WITH THE END IN MIND WHAT WILL IT LOOK LIKE? Ask students to take the essential items of their back pack out If....then and lay them on the floor · Then have the student group like items together • Have families take a photo of the items and print/email you the picture Start with the Done to: • Laminate and create 'backpack' tags for students so they can Teach "Thinking in Pictures" to Increase Working Memory 'match the picture' when it is time to go home! Develop Whole to Part to Details Thinking Teach Flexible Thinking Develops Gesture for Mental Spatial Time Travel • Develops Stated Intentions: I will, I am going to, Maybe, I could **Create Backpack** • Sensitivity to delay: decreases impulsiveness **Tags for Students**







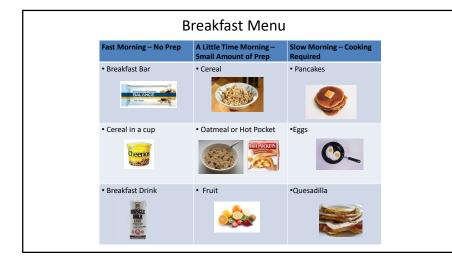






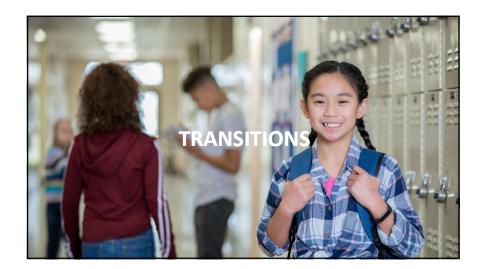
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Visual Menus:	Creative	Mindful	Physical
	 Get my Sharpie on! 	 Spotify Playlist 	•Shoot Hoops
	•Coloring Pages/Crafts/ Easy crafts •Hattifat.com	Watch Ocean Videos	•Scooter Obstacle Course
	•Quick creative snack/cook	Play with the Dog or Kaleidoscope drawing pad	•Go for a walk

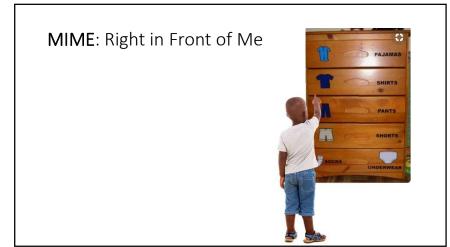




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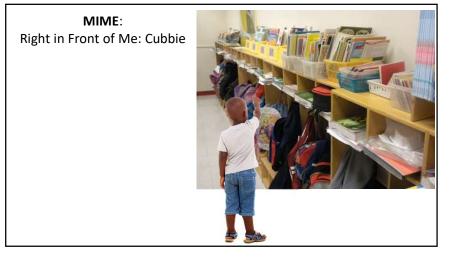


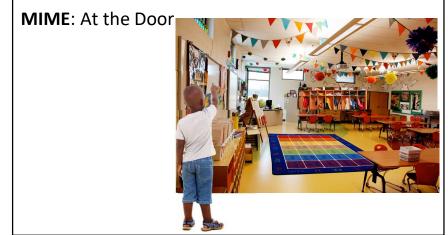


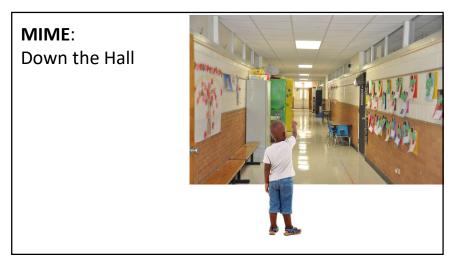


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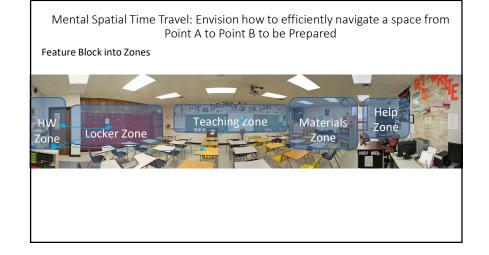


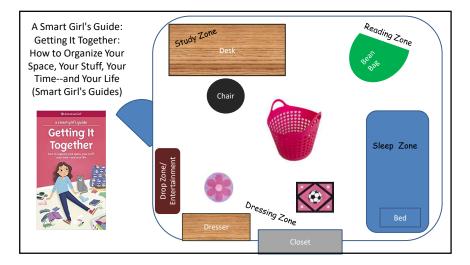


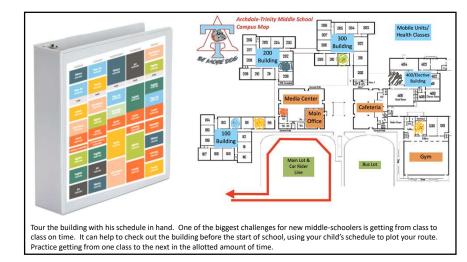
Creating Zones in the Classroom is Important Students can Pre-Imagine What Space they are Going to Next



Creating Zones in the Classroom is Important Students can Pre-Imagine What Space they are Going to Next





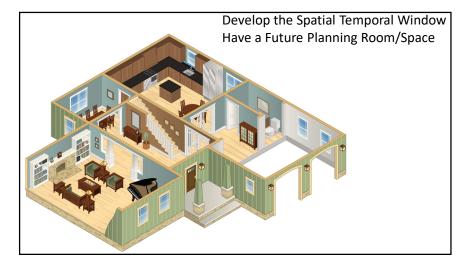


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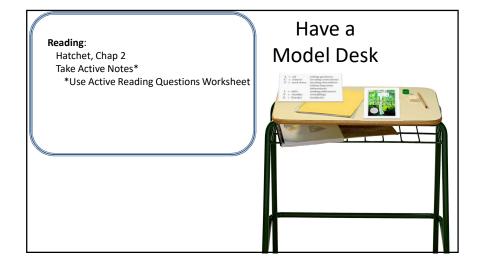








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"It is 10:05. You have until 10:30 to work on your Science Lab. Make sure to write your hypothesis, the list of materials and methodology. Then we will come back together as a group at 20 of to discuss."

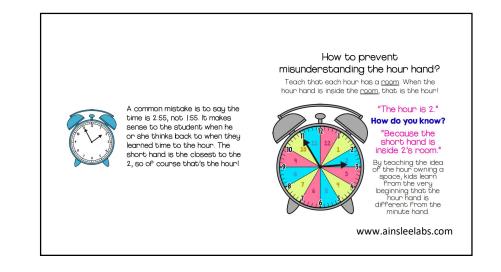
The **Wall** Clock

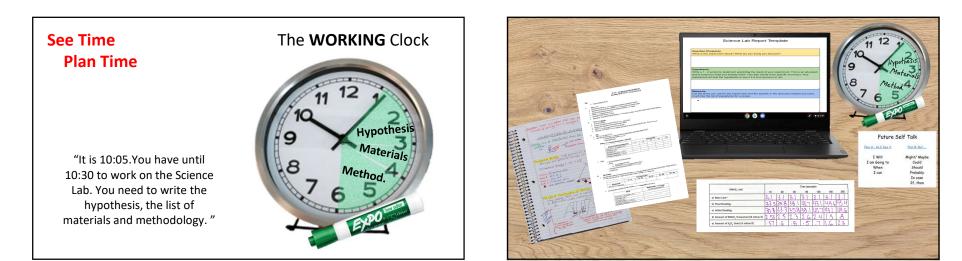
- Have Analog Clocks in the Room – Make sure they are not Roman Numeral!
- Ideally located in the front of the classroom where the child can compare their work to the time of the day.



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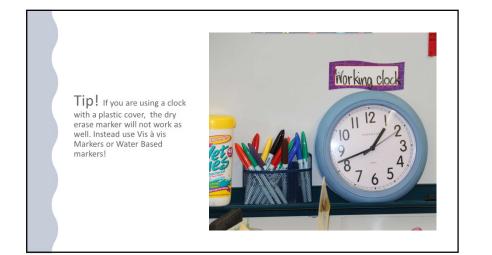




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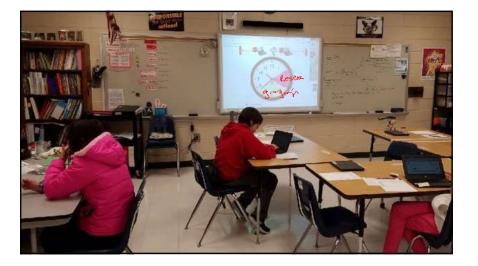


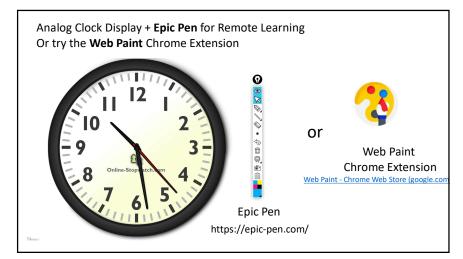


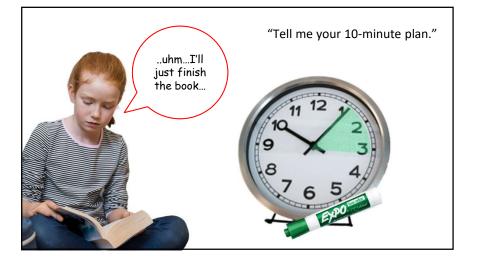
https://www.online-stopwatch.com/large-online-clock/

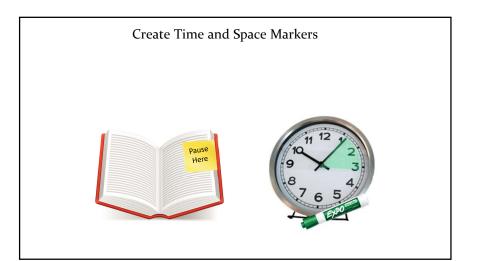


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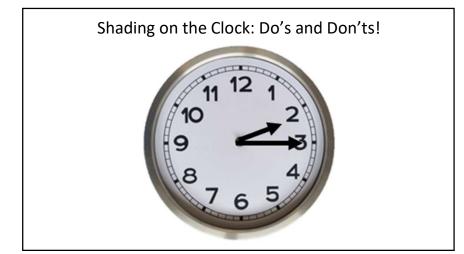








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If you share our ideas please make attribution to Sarah Ward and Kristen Jacobsen. Please reach out to us! We love to hear from you!

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