

*Handwriting from the ground up



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*Introduction



* Objectives

Participants will be able to:

- * Articulate how basic developmental milestones in gross and fine motor skills are related to handwriting readiness.
- * Explain how sensory motor foundations prepare 0-3 years old for hand functional hand usage/handwriting.
- * Identify different developmental grips.
- * Learn activities that can be implemented into their home environment tomorrow and be able to explain the connection between the activities and the remedial/preparatory value for handwriting to families.
- * Implement new materials in their natural setting tomorrow.

* Underlying Components for Handwriting Readiness

1. Motor development: Gross to Fine Motor

- * Tummy Time to Eye Hand Coordination



- * Crawling to Hand Separation
 - [.Regionals\Hand Arch Eunice.pdf](#)
 - [.Regionals\5 fingers ryan.pdf](#)
 - [.All in a name web link \(door prize\)](#)



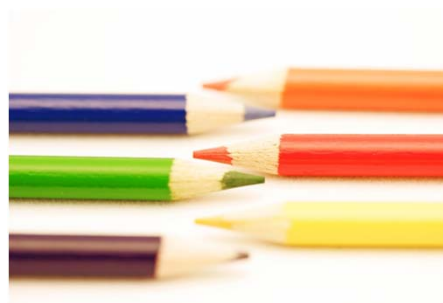
- * Lying to sitting to Crossing Midline

*Components Contribute to Writing Readiness

Pencil Grips

[Regionals\Pre writing skills milestone.pdf](#)

[Regionals\copy 4 parent.pdf](#)



*Underlying Components for Handwriting Readiness

2. Sensory systems/processing

Tactile

Vestibular

Proprioception

Vision

Motor Planning



*Underlying Components for Handwriting Readiness

2. Sensory systems/processing

Tactile

Vestibular

Proprioception

Vision

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*Underlying Components for Handwriting Readiness

Sensory systems/processing

Tactile

Protective

Discriminative



*Underlying Components for Handwriting Readiness

Sensory systems/processing

Vestibular

*tells us exactly where we are in relation to the downward pull of gravity, whether we are still or moving, how fast we are going, and in which direction. Through its influence on muscle tone, the vestibular system affects posture and movement.



*Underlying Components for Handwriting Readiness

Sensory systems/processing

Proprioception

*Information generated from our joints to let us know what position our body parts are in space without the use of our eyes.



*Underlying Components for Handwriting Readiness

Sensory systems/processing

Vision

- *Vision Acuity
- *Visual Perception
- *Eye Hand Coordination(Visual Motor Integration)



*Underlying Components for Handwriting Readiness

Sensory systems/processing

- .Motor Planning
- . Ability to execute unfamiliar tasks.



*Components Contribute to Writing Readiness

3. Cognition

4. Psychosocial



*Enhancement/Remedial Strategies

-1. Check the obvious :

Glasses

Biomechanical approach

[Regionals\3 Ps of Handwriting.pdf](#)

-2. Return to the basics: Body scheme as a reference point

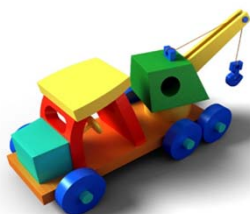
[Regionals\MatMan Song.pdf](#)

[Regionals\Before and After writing examples.pdf](#)

-3. Using Multisensory approaches



* Embedded Instructional Activities



* References and Resources

- * Brain Rules (and Brain Rules for Babies) by John Medina (www.brainrules.net)
- * Fine Motor Skills in the Classroom by Jayne Berry
- * First Strokes: Multi-sensory program by Jan McCleskey
- * Handwriting Without Tears by Jan Z Olsen (www.hwtear.com)
- * Out of Sync Child by Carol S Kranowitz
- * Out of Sync Child Has Fun by Carol S Kranowitz
- * Beyond Play (www.beyondplay.com)
- * Discount School Supply (www.discountschoolsupply.com)
- * Discount Teacher Supply (www.earlychildhood.com)
- * Discovery Toys (www.discoverytoys.com)
- * Lakeshore Learning (www.lakeshorelearning.com)
- * OTIdeas (www.otideas.com)
- * Pocket Full of Therapy (www.pfot.com)
- * Therapro (www.theraproducts.com)



*Questions and Answers