

MN Low Incidence Projects Region 11 OT & PT Community of Practice is honored to bring a day of professional development on

Train the Brain! Motor Learning Principles to Promote Neuroplasticity in Children & Youth with Disabilities

May 3, 2019

8:30 a.m. to 3:30 p.m.

Presenter: Carlo Vialu

Target Audience: PTs, PTAs, OTs, COTAs

Location: Wedell Community Room

Shoreview Community Center

4580 Victoria St. N

Shoreview, MN 55126

Fee: \$30

Time: 8:30am-3:30pm

Register Online:

metroecu.myquickreg.com event calendar

Registration Deadline: April 22, 2019

Registration Contact

Gail Jankowski gail.jankowski@metroecu.org

Program Contact

Kayna Plaisted kayna.plaisted@metroecu.org

Course Description

This workshop will provide the latest evidence in motor learning principles (MLPs) for children with and without disabilities. The presenter will discuss the research findings and rationale behind such principles as the provision of verbal instruction, demonstration, feedback, variability, errorless training, frequency, specificity and salience. Participants will learn how to incorporate these principles in the child's therapeutic intervention and daily routine to help with generalization of skills and improve participation at home, in school and in the community. The speaker will describe the application of MLPs in children with the most common childhood diagnoses so participants can translate what they learned from the session into real-life practice. To further promote generalization of skills, the speaker will discuss how to use a motor learning framework during collaborative consultations with educators to design an MLP-rich environment in school.

Presenter's Bio

Carlo Vialu, PT, MBA, is a physical therapist serving children and youth with medical complexity. He is a co-author and co-publisher of www.SeekFreaks.com, an evidence-based online resource for pediatric PTs, OTs, and SLPs. He is Founder and Director of www.ApplyEBP.com, a provider of live continuing education and online discussion group school-based and pediatric therapists. From January 2008 to January 2017, he served as Director of Physical Therapy for the New York City Department of Education, where he oversaw a program with over 700 physical therapists working in more than 1,500 schools. Carlo was lead author of a Special Communication on determining a student's need for school-based PT published in *Pediatric Physical Therapy* on October 2017. He is the project manager of research on normative data for five mobility tests for school-aged children, on which his team has published three articles in *Pediatric Physical Therapy*. Carlo presents nationally on various topics, including tests & measures, self-determination for children and youth with disabilities, motor learning, special education, and clinical decision-making.

This initiative is made possible in whole with a grant from the Minnesota Department of Education using federal funding, CFDA 84.027A, Special Education – Grants to States. This event does not necessarily represent the policy of the federal Department of Education or the state Department of Education. You should not assume endorsement by the federal or state government.

Event Agenda:

- 8:30 am Motor Learning (lecture)
Definition
Assessment
Motor Learning Principles (MLPs) & Children
- 9:15 am Selecting the Task (lecture, group activity)
Specificity
Salience
Application
- 10:15 am Break
- 10:30 am Designing the Task and the Environment
(lecture, group activity)
Frequency
Errorless Training
Variability
Autonomy
Application
- 11:30 am Teaching the Task (lecture, group activity)
Verbal Instruction
- 12:00 pm Lunch (on your own)
- 12:45 pm Teaching the Task, continuation
(lecture, group activity)
Feedback
Demonstration
Application
- 1:30 pm MLPs and Common Diagnoses
- 2:15 pm Collaborative Consultation: Designing a
Motor Learning Principle- Rich
Environment
- 3:30 pm Adjourn

Course Learning Objectives – Participants will be able to:

1. Differentiate the 3 ways of assessing motor learning (acquisition, retention and transfer of skills)
2. Describe the latest evidence with regards to at least 6 motor learning principles
3. Apply at least 6 motor learning principles in selecting, designing and teaching motor tasks on a case study
4. Design a motor-learning-principle-rich school environment, incorporating at least five motor learning principles on a case study

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