Appendix 1: BMCT framework

Exercise in sitting & sit to stand 5 min			5 min
Progression: BOS	Progression	on: Movements	Tools
Sitting on a chair/bench Sitting on an exercise ball Feet shoulder width apart Feet close together One leg support	Arms folde Hands fold Sitting on a Lift arms/le	f the head - up/down/sideways d across the chest – rotate to the sides ed while moving hands in wide circles an exercise ball: egs while maintain stability d until the ball supports the middle of the back	Juggling a balloon Ball on a tray or racket
Cognitive load	Counting, adding or subtracting numbers, remember series of numbers, spelling words backwards, reading a short text.		
Sensory manipulation	Proprioception: Vision:	Sit to stand on uneven surface (e.g. foam) Sit to stand with eyes closed	

Exercises in standing		5 min
Progression: Changes of BOS	Progression: Movement	Tools
Feet shoulder width apart Feet close together Tandem stance Standing on one leg Standing on heel/toe	Lean forward/backward/sideways Rotation of the head - up/down/sideways Hands folded while moving hands in wide circles "Drawing" with one foot while standing on the other Pick objects up from the floor Exercises in pairs: Mirror movements: One leads and the other follows Back against back passing ball: left side/right side, over head/between legs "Wrestling": hand against hand or with ball in-between	Button a shirt Juggling a balloon Dribbling a ball Ball on a tray or racket
	Counting, adding or subtracting numbers, remember series of numbers, spelling words backwards, reading a short text.	
Sensory manipulation Pro	orioception: Standing on uneven surface (e.g. foam) on: Standing with eyes closed	

Exercises in stepping		10 min
Progression: BOS and direction	Progression: Movements	Tools
Feet shoulder width apart Feet close together Forwards Sideways Backwards	High knees Steps in all directions Steeping up and down on a box – increasing height Stair climbing +/- handrail Jump forth and back in all directions - from one leg to the other - legs together	Juggling a balloon Ball on a tray or racket
	Counting, adding or subtracting numbers, remember series of numbers, spelling words backwards.	
Sensory manipulation Propr Vision	ioception: Stepping on uneven surface (e.g. foam) : Stepping with eyes closed	

Exercises in walking - coordination 10 min		
Progression: BOS and direction	Progression: Movement	Tools
Normal step width Narrow step width Tandem walk Sideways Sideways – crossing legs Backwards	Walking while the heel of the swinging leg touches the shin of the standing leg Walking with head rotations Walking in figure of eight or slalom Picking things up from the floor Walking on toes or heels Pirouette during walking	Button a shirt Juggling a balloon Dribbling a ball Ball on a tray or racket
	Counting, adding or subtracting numbers, remember series of numbers, spelling words backwards	
	Proprioception: Walking on foam Vision: Walking with eyes closed	

Exercises in walking - speed 10 min		
Progression: BOS	Progression: Movement	Tools
Normal step width Narrow step width	Slalom walking or figure of eight – at high speed Walking in a challenging environment (chairs, balls, cones, etc.) Picking things up from the floor Walking with 180 degree turns	Dribbling a ball
Cognitive load	Counting, adding or subtracting numbers, remember series of numbers, spelling words backwards.	
Sensory manipulation	Proprioception: Not applied in this station Vision: Not applied in this station	

Progression: Stability	Exercises	
Sitting on a chair Sitting on a ball Standing	Gaze at a stationary object Move eyes/head Gaze at a stationary object 1 2 3 4	Illustrations are adapted from Byung Copyright by © 2011 Korean Neurola Reprinted with permission.
walking	Gaze at a moving object Move body/eyes/head	gica IH,
	Change gaze (saccade) No movement of head and body	et al. 2011. ⊯ Association.
Duration of exercises is 30 s	lucted in walking with and without head.	