

	Attention	Activity & Movement	Understanding of tool use	Expressions & Emotions	Interaction & Communication	STAGE
8 Expert	<p>Attention well established and sustained</p> <p>Relaxed, active, not tense</p>	<p>Occupation, composed of two or more activities Fluid, smooth and precise movements. Driving is automatic. A means for doing other activities in multiple settings. Intuitively organizes and understands the task they are encountering. Knows what to do based on mature and practiced understanding.</p>	<p>Integrated Tool Use Consciousness is focused on the other parts of the occupation. Driving more or less subconscious. Consistent precision control of powered wheelchair. Consciously deliberates a situation and performs their own judgment of how to resolve the situation. Takes care of others while driving powered wheelchair.</p>	<p>Dependent on the doing of “other” activities</p>	<p>Multi-level Integrated interaction Is able to interact with the machine, interact with the environment and interact with social partners.</p>	<p>Explore performance Extrovert stage –focus body, machine, environment & occupation</p>
7 Proficient	<p>Multi-channeled attention</p> <p>Generally focused</p>	<p>Occupation for its own sake Refinement of graded, timed movements. Driving for the sheer pleasure of driving. Navigating within the physical space.</p>	<p>Fluent Precise Use of Tool. Aware of consequences and conscious of how to control the steering with the joystick. Refining maneuvering skills to fluent use. Takes care of themselves within the powered wheelchair.</p>	<p>Happiness Satisfaction</p>	<p>Concurrent Interactions Openness to multi-level interactions - displays readiness to interact at more than one level. No longer easily interrupted by occurrences. Interacting with the machine in a playful way. Contrives interactions within the social space.</p>	
6 Competent	<p>Multi-channeled attention but easily disrupted</p> <p>Focused on using the tool goal directed</p>	<p>Activity Controlled but unrefined movements. Able to coarsely steer in a desired direction. Concentrating on getting from A to B often ignores the environment and people around them.</p>	<p>Competent Use of Tool Conscious of the need for sequencing of the acts in a certain order to reach a desired point or place. Controlled but coarse use of the tool. Regression to use body movements instead of tool use – using arm or foot to push away from obstacle.</p>	<p>Serious Content Laugh Excited</p>	<p>Consecutive Interactions One level interactions occur one after the other: interaction with the machine has to stop due to disruptive occurrences</p>	

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5 Sophisticated beginner	<p>Two-channeled attention</p> <p>Active, concentrated</p>	<p>Sequences of chains of acts Intentional more eager or violent movements. Exploring the machine. Experimenting with steering by composing effects in different patterns. Experimenting to find the pattern of the tool.</p>	<p>Idea of Competent Use is Born Conscious of the ability to cause many different effects, motion in different directions. Searching the steering pattern. Understands the use of electronic mobility guidance systems</p>	<p>Eager Smile Serious</p> <p>Frustration Periods of frustration. Knowing possibilities but not achieving desired tool use goals. Periods of blocking intertwined with short peaks of success.</p>	<p>Reciprocated interaction Directs attention by pointing to convey a message that requires the playmate to respond</p> <p>Triadic Interaction Interaction with a person on a third part – a person, an object or something else in the environment</p>	<p>Explore sequencing</p> <p>Difficult transition – focus body, machine & environment</p>
4 Advanced beginner	<p>Single channeled attention but able to shift spontaneously</p> <p>Attentive</p>	<p>Chain of acts Intentional but cautious, careful movements. Exploring the joystick. Explorations of different effects – drive, stop. Testing out different grips. Able to press a single switch, hold and release</p>	<p>Exploration of Extended Use Conscious of more than one effect. Motion in different directions depending on how acts are combined. Exploring the consequences of activating the tool. Understands 2 switches have different functions.</p>	<p>Serious Smile Sometimes Laugh</p> <p>Exhibits a desire to explore beyond the world of their tray</p> <p>Shift focus in between near and far</p>	<p>Mutual interaction Requests the attention of the playmate by pointing at objects or events in their close vicinity</p>	

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3 Beginner	Single channeled attention but able to shift attention Alert	Act Distinct targeted movements. Activates joystick to get the effect of motion. Applying force. Able to press a single switch.	Basic Use Conscious of how one act can cause one effect. Act starts motion. Change position within the room e.g. circling. Regression to using body movements to try and move the machine.	Serious Contented Smile	Initiates interaction Keeps or responds to eye-contact Facial signaling	Explore functions Introvert stage – focus body & machine
2 Curious novice	Single channeled At times more alert Passive	Pre-act Diffuse vague multi-directed movements. Touches or hits different parts of the chair. In between sitting still. Touches or hits a switch – experimenting with exerting a force.	Idea of Basic Use is Born Pre-conscious of how a self-initiated act can cause the effect of setting the chair in motion.	Contented Curious Anxious Angry	Responds to interaction Gets in eye-contact Physical contact Behavioral mirroring Joint focusing on activity	
1 Novice	Extreme distractibility No response to interaction (focus on the novel tool or novel situation) Passive or anxious	Excited Interested in looking at and touching the tool Non-Act No specific intentional movements. May accidentally activate the joystick. Is still for long periods Protective withdrawal body language Rejection Displays stereotyped or rejecting behaviors, wanting to get out of the powered wheelchair.	No or Vague Idea of Use No or very limited consciousness of how own activity can cause an effect.	Open Shows joy in experiencing guided motion Neutral Displays minimal facial expressions Whole body displays motionlessness Anxiety Worry, fear, annoyance, crying	No response May be aware of others attention. Perceptive Physical proximity – close in, draw back Avoidance Avoidance of touch from social partner. No wish for interaction Wants to get rid of the social partner	