

Di Goodwin: Past Projects

Custom wheelchair: Master's Project



Dianne designed a custom chair for a man who was experiencing significant discomfort due to his existing wheelchair. He used his legs to assist in propelling, and would sit on the front edge of an adult sized wheelchair to do so. His poor elbow position in propulsion was causing problems, and when he came up to a table or desk, he was sitting too low. It was also very heavy to transfer into his car. Dianne designed a custom wheelchair for him for her Master's Project. The wheelchair has a single rear caster, resulting in very good maneuverability. The front half of the seat cushion flips back, exposing a lower platform he sits on when wheeling. Smaller wheels make it easier on his elbows. The back and seat come off from the base when he transfers it into his car, reducing the weight he needs to lift. The pictures above show his old wheelchair on the left, and the posture he assumes when wheeling or seated with his new chair on the right.

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