Look Ma, No Hands...

A Look at High Tech Driving and Vocational Rehabilitation
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Driving To Independence
Look, No Hands......
High Tech Drivers
Case studies...
Referrals:

With all driving evaluations we receive a referral from Vocational Rehabilitation
Client Care Coordinator

Questions to ensure the client is scheduled with the appropriate evaluator and the appropriate vehicle

- Diagnosis
- Driving history
- Height/weight
- Mobility device
- Transfer status
- Driver’s license information
- Doctors Referral
Evaluation

- Clinical evaluation
- Vision/vision perceptual skills
- Behind the wheel assessment
- Recommendations
Training

- Training is completed in a Driving To Independence vehicle.
  - Insurance
  - Appropriate equipment needs
  - Vehicle maintenance/safety
Prescription

- A Certified Driving Rehabilitation Specialist writes a vehicle modification prescription
  - Vehicle make, model, year and mileage
  - Entry/exit
    - Remote Start
  - Seating / Mobility equipment
  - Driving equipment
  - Secondaries
    - Turn signals, high beam/low beam, horn, HVAC
  - Other
    - Mirrors, chest strap, rubber flooring, etc
Approval/Authorization for vehicle modification

- For high tech vehicle modifications a staffing is held to discuss the process
  - Insurance requirements for vehicle
  - Time table
  - Safety over aesthetics
Fitting

• Wheelchair position and lock down
  • Driver’s position or vehicle midship
  • Mechanical release/manual release

• Driving equipment placement
  • Hand control
  • Control panel
  • Secondaries
Check out Drive / Drive Off

- The client and VR counselor are met at the vehicle modification vendors location.
  - The client is required to
    - Independently enter/exit the vehicle
    - Stow/recover adaptive equipment
    - Drive the vehicle
- If client is independent with the above
  - VR paperwork completed
  - Arizona Department of Motor Vehicle licensure completed
Case Studies
Taylor 2013

16 years old
Duchene’s muscular Dystrophy
Power wheelchair
Limited walking

He wanted to learn to drive so he could drive to school, work and community activities without always having his parents or one of his caregivers with him.
Honda Element

- Remote start
- Ez-Lock lock down
- Seatbelt system
- Reduced effort steering
- Pedal extension
- Reduced effort braking
- Gearshift extender
- Quad key
Taylor 2017

20 years old
Duchene’s muscular Dystrophy
Power wheelchair
No walking

He wants to continue driving to school, for work and to participate in community activities of interest. He would also like to be able to take his younger brother places.
2017 Toyota Sienna with Braun Conversion

- Infloor ramp
- Remote start
- Wheelchair lockdown (driver and passenger position)
- EMC – Joy stick
- Digitone for secondaries
- Safety barrier for service dog
Shannon

- Arthrogryposis,
  - Elbow, wrists and knees fused
- 37 years old
- Driving equipment
  - Zero effort steering
  - Airbag shutoff
  - Gear shift extension
  - Seatbelt modifications
  - Seat adjustment – modifications
  - Pedal extensions
Joseph

- Left side stroke with right side paralysis
- Has 3 daughters who are very active in sports and wants to transport them to events

Driving Modifications:
- Left foot accelerator
- Seatbelt extension
- 6 way transfer seat – control modifications
Charley

- Congenital Amputations/Paraplegia
- 29 years old
- Certified Dog trainer

- Would like to learn to drive to travel to/from appointments and work. Would like to be able to drive to participate in community activities of interest.
2018 Chevrolet Silverado – ATC conversion

- Lift into/out of vehicle
- Wheelchair lock down
- Joystick
- Digitone
- Control panel
Other high tech situations....
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QUESTIONS??