Deluxe Manipulation Board - 10356

Manipulation board shown mounted on S&S® Wooden Stand #10064

The Deluxe Manipulation Board is an activity board designed to access and facilitate a clients' functional manipulation skills using common household devices such as a door lock, padlock and faucet knob.

Components:

The Manipulation Board has 9 common household fixtures mounted onto a 15" x 24" x 3/4" wooden board.

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Goals:

The Manipulation Board is specifically designed to assess and practice functional manipulation skills. The following skills can be addressed while using this activity:

Fine Motor:

Pincer, lateral, and 3 jaw chuck grasp
Grasp Strength
Ulnar and radial deviation
Wrist stability flexion and extension
Hand-to-hand transfer

Visual-Perceptual:

Figure ground and depth perception
Spatial awareness and orientation in space
Eye-hand coordination.

Gross Motor:

Shoulder stability during reaches
Shoulder abduction and adduction
Internal and external rotation
Upper extremity strength

Cognitive:

Functional problem solving
Safety awareness
Sequencing and categorization
Object identification and naming attention
Attention

Set Up:

The Manipulation Board can be attached to the S&S® Work Activity Board (#67566) to allow variable positions, or mounted vertically on the S&S® Wooden Stand (#10064). It can also be placed flat on any table top, and placed flat or semi-upright on the S&S® Workstation side desk (#10250).

Instructions:

The Manipulation Board should be set up in front of the client in any of the above positions. The least amount of shoulder stability and coordination is required when the board is placed in the flat postilion with the elbow and forearm supported on the table. As the client's shoulder stability and coordination improves, the board can be set up in the semi-upright or upright positions. These positions demand a higher level of shoulder stability as the client will be working against gravity and without the elbow supported on the table.

The devices are not actually categorized into specific levels of difficulty. Most of the devices can be manipulated unilaterally except for the padlock which required bilateral use. Clients with severely impaired coordination may require bilateral use to successfully manipulate most of the devices.

Clients can work on one device at a time or alternate between devices. Clients with poor attention may benefit from practicing with one device at a time.

The Manipulation Board can be used solely as an assessment tool or for repetitive coordination exercises to improve the client's upper extremity functional status. Once the client is successfully able to manipulate the desired devices on the Manipulation Board, he/she can be assessed manipulating the actual devices in the home or hospital setting safely and appropriately.

The above directions provided by S&S® are recommended but not inclusive. Therapists may use the Manipulation Board to facilitate other skills in addition to the ones suggested. However, when using the activity in a manner not described, the therapists should use their professional judgement to ensure the client's safety.