

My Favorite Fabrication Tools and Materials

Therese Willkomm, PhD, ATP – 603-491- 6555 ThereseW@unh.edu

My Favorite Flat Materials

- Acrylic
- Corrugated Plastic
- Pink Board
- Foamies
- Astrowhite
- Tyvek
- Ziploc Bags
- Cassette and CD Boxes
- Corner Guard
- Vinyl Flashing

Double Side Tapes for Flat Materials

- Loc-Lift Rug Gripper Tape
- Dual Lock
- UGlu
- Remo Two Clear Foam Tape
- Clear VHB Tape
- Double sided Fiberglass Reinforced Carpet Tape

Self Adhesive - Slip Resistant Materials

- Hold-it
- Foamies
- Koffler Soft Rubber Pebble Non Slip Foam Tape

Slip and Non Slips Resistant Materials

- Solid Non-Slip Shelf Liner (High Friction Co-efficient)
- Tyvek (low Friction Co-efficient)

Favorite Materials for Adapting Electronics

- Conductive Foil Tape
- 36 Gauge Copper Tooling Foil
- Grey VHB Tape

My Favorite Round Materials

- ¾ inch PVC
- ½ CPVC
- Loc-Line
- ¼ Copper Tubing
- Pipe Insulation

- Swiffer Dusters
- Loc-Line Mounting Discs

My Favorite Velcro Brand Products:

- One Wrap
- Velcro Rapid Strap Kit
- Velcro Cable Ties
- Velcro Sticky Back for Fabric
- Industrial Velcro – Hook and Loop
- Standard Velcro – Hook & Loop
- Velcro Dots – Hook and Loop
- Velstretch

Fasteners and for Round Materials

- Tubular Clamp
- Adjustable Flagpole Brackets
- Winged Elbows – ½” CPVC
- Cable Ties
- Tommy Tape

My Favorite Tools

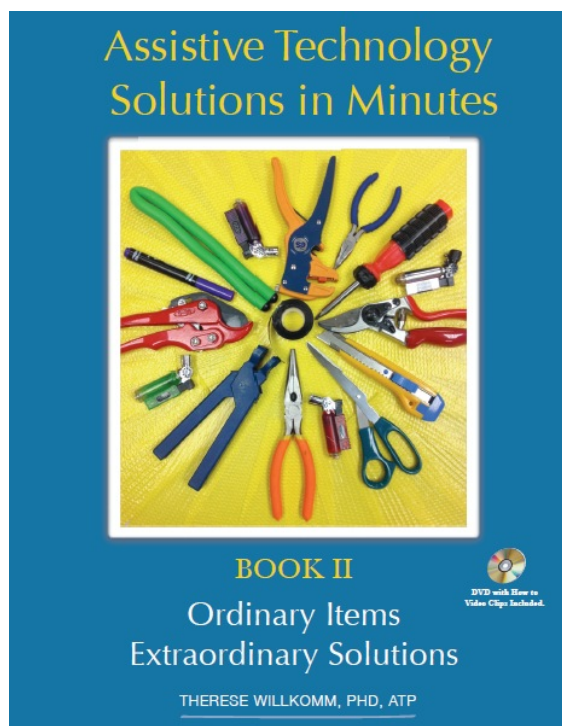
- Acrylic Cutter
- Ratcheting PVC Cutter
- Automatic Wire Stripper
- Heavy Duty Pliers
- Utility Knife
- 6 inch Ruler
- Gel FX Marker
- Mini Blow Torch
- All Purpose Non-Stick Scissors
- Flat Flashlight – for Testing Battery Interrupters
- Loc-Line Pliers

Favorite Materials for Odd Shapes

- Model Magic
- Magnum Steel
- Tommy Tape
- InstaMorph/Polymorph

Favorite Wire

- 17 Inch Industrial Twist Tie
- Dand-O-Line
- 20 Guage Speaker Wire



Assistive Technology Solutions in Minutes – Book II – "Ordinary Items Extraordinary Solutions"

By: Therese Willkomm, Ph.D. ATP

Copyright: 2013

236 pages

Available From: The Institute on Disability, at the University of New Hampshire

Therese Willkomm, Ph.D., takes ordinary items and turns them into extraordinary assistive technology solutions in minutes for individuals with disabilities. This DIY book picks up where book one left off, demonstrating a five minute, low cost, approach to creative problem solving without the need for power tools or electricity. Assistive technology has a very high failure rate and in need of rapid fabricating and on-going adapting on the fly. This book empowers everyone to be spontaneous and create solutions to everyday challenges using everyday materials. However, it is more than just a "how-to" recipe book, it contains over 750 colored photographs, amazing and entertaining stories, and a DVD of 115 "how-to" video clips. ***"But wait- there is more...."*** The DVD contains PDF recipe sheets for quick printing or emailing to individuals with disabilities. An XML copy of the book with picture descriptions is also included on the DVD for individuals who experience visual impairments. Yet the best part of this book, thanks to a Grant from the Gibney Foundation, is100% of the proceeds of this book will fund assistive technology devices for New Hampshire's device loan and demonstrations provided through the ATinNH Program at the University of New Hampshire's Institute on Disability.

This book is filled with Dr. Willkomm's ***"mushroom patch of secrets"*** for locating items such as corrugated plastic, flagpole brackets, industrial twist ties, Loc-Line, PVC pipe, acrylic, epoxy putty, tyvek, pink board, padding materials, assorted new types of Velcro brand hook and loop, plastic corner guard, speaker wire, tooling foil and 10 specialty tapes. Every solution fabricated in this book uses only these tools: box cutter/utility knife, acrylic cutter, mini blowtorch, pliers, scissors, ratcheting PVC cutter, markers, and wire stripper.

Book Chapters and Highlights:

- 1: Introduction to Solutions in Minutes: Amazing Stories
- 2: **Ordinary Items Create Extraordinary Solutions** -seeing everyday items such as a plastic plate, flagpole brackets, or cherry pitter in extraordinary multipurpose ways.
- 3: **Upside Down** - how having a learning disability and Tourette's can be a strength in seeing solutions to everyday challenges by viewing the world and solutions upside down, backwards, and inside out.
- 4: Amazing Tapes and Adhesives
- 5: Putty, Adhesives and Foam
- 6: Corrugated Plastic
- 7: Acrylic
- 8: CPVC Pipe
- 9: Loc-Line
- 10: Industrial Twist Ties and Wire
- 11: Adapting Electrical and Electronic Devices
- 12: **Adapting iPads** – over 50 ways to adapt an iPhone or iPad for individuals who experience visual impairments or physical disabilities
- 13: **Caring for Your Unmentionables** - is an entertaining, yet serious chapter related to important assistive technology needs that people often don't discuss such as low tech solutions for wiping your fuzzy fanny and more.
- 14: Resources

For more information on purchasing the book, contact:

The Institute on Disability at the University of New Hampshire
10 West Edge Drive, Suite 101 | Durham, NH 03824
603.862.4320 | Relay: 711 | Fax: 603.862.0555 contact.iod@unh.edu
<http://www.iodbookstore.org/categories/Technology/>