**Step-By-Step**: **An Interactive Guide to Mobility Techniques**

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**Step-By-Step**

* Interactive instructional computer program
* Combines text, full-motion video, stop-action video & photographs
  + To demonstrate and describe basic, intermediate, and advanced mobility skills used by travelers who are blind.

**Interactive Features Enable User To…**

* Test understanding of the techniques
* Identify performance errors commonly made by those who are learning to travel
* Determine appropriate measures to correct each error

**Who Can Use Step-By-Step?**

* University Programs
  + Students can preview content prior to learning techniques in class
  + Faculty can show techniques in class and have students practice analytic skills as a group, fostering meaningful discussions
  + Students can review modules after class, in preparation for tests, or to just refresh their memory of skill components and analysis
  + Perfect supplement to distance learning programs preparing future vision and related professionals
* Selected modules also of interest to:
  + Teachers of the visually impaired
  + Vision rehabilitation therapists
  + O&M assistants
  + Vision professionals returning to the field after an extended absence

**Who Else Can Use Step-By-Step?**

* Other professionals who serve people with visual impairments
  + Regular and special education teachers
  + Rehabilitation professionals
  + Health care professionals
  + Health care volunteers
  + Public services personnel
  + Anyone who may wish to learn human guide skills to become more effective guides themselves

**Unique Computer-Assisted Learning Design**

* Lends itself to
  + Individual use
  + Collaborative learning where small groups of students go through the activities together.

**Instructional Theories Behind Step-by-Step**

* Learner Control - *individualized pacing* allows user to:
  + Work at one’s own speed and review material as often, & whenever, one wishes
  + “Stop the world” and “step outside” of the simulated process to review and to better understand material
  + Break instruction into manageable chunks depending upon one’s own learning preferences –
    - By subtopics, or
    - review an entire skill in one sitting

**Instructional Theories Behind Step-by-Step**

**How Was Step-by-Step Developed?**

* Development began as a single-university effort to:
  + Address needs for visual tool to use outside of class time to learn, review, and practice the skills they were learning to teach mobility techniques.
* However, a surprise was about to happen…

**How Was Step-by-Step Developed?**

* Field test results revealed significant differences among the universities in how students were taught to perform mobility skills.
* There was only 1 solution…

**How Was Step-by-Step Developed?**

* A symposium held at San Francisco State University
  + University faculty in O&M from throughout the United States were brought together

**How Was Step-by-Step Developed?**

* Participants demonstrated their individual methods for performing each technique
* As a nationally representative group, we came to a general consensus on acceptable standard and alternative methods for performing each technique.

**How Was Step-by-Step Developed?**

* The techniques included
  + Do Not represent all possible variations
  + Do represent those that were generally endorsed by this nationally representative group.
  + analytic skills as a group, fostering meaningful discussions

**The Seven Modules of Step-By-Step**

* Each module covers mobility techniques related to either:
  + A specific method of travel or
  + Travel in specific environments

**Flash Drive #1**

* Guide Techniques
  + With and Without a Cane
* Non-Cane Techniques
  + Directional
* Self-Protective
* Special Techniques
* Exploration
* Handling Unsolicited Assistance

**Flash Drive #2**

* Long Cane Techniques
* Detection & Shorelining
* Negotiating Door and Stairs
* Negotiating Obstacles
* Street Crossings
* Approach
* Alignment
* Timing
* Executing
* Signaling Drivers
* Transportation
* Automobile, Bus, Subway
* Environment Specific
* Escalators
* Revolving Doors
* Specific Environments

**Step-by-Step**: **A Sample Technique (Computer program shown)**

**Additional Features**

* Detailed User Manual
  + Provides information on all technological aspects of using the program.
* Comprehensive Study Guide
  + A more comprehensive presentation of each mobility technique than is possible on flash drive.
  + Instructional strategies
  + Teaching tips
* Comprehensive Study Guide
  + Prerequisite skills and appropriate teaching environments
  + Limited modifications for travelers who have special needs
* Comprehensive Study Guide
  + Lots of other information geared for professionals who will teach orientation & mobility skills to people who have visual impairments.
* Special Introduction and Appendices
  + Glossary of terms
  + Matrix of pre-requisite and related techniques
* Comprehensive Review Guide
  + A quick reference tool on the steps involved in each technique and skill.
* Comprehensive Review Guide
  + Key words or a brief description of most important elements of each step along with a photograph demonstrating the most salient points

**How to Order Step-By-Step**

* Part 1 (Guiding, Non-Cane, Special Techniques)
  + Catalog Number: 8-75981-00
* Part 2 (Long Cane, Street Crossings, Environment-Specific, Transportation)
  + Catalog Number: 8-75982-00
* Cost: $15 each
* Federal Quota Eligible

**Thank you!**