

## **Assistive Technology Devices for Augmentative Communication for Students with Significant Cognitive Disabilities**

This document contains information on the range of assistive technology devices that can be used by augmented communicators to increase the intelligibility, complexity, and accuracy of their spoken and written language. Many of these devices also support increased productivity, and independence. In most instances, students use a combination of assistive technology devices to meet their communication and language needs. The types of assistive technology devices used to support communication are determined by individual student abilities and needs as well as the required communication and language tasks across all instructional environments.

In this document, assistive technology devices are organized into various categories based on the organizational features of the technology. Lastly, tools are linked to the various language skills addressed in the Georgia Performance Standards. Some of the skills areas are briefly defined below. It is recommended that individuals utilizing this document refer to the standards to determine the specific skills that are addressed at each grade level.

### **Concepts of Print:**

- Demonstrates knowledge of concepts of print

### **Phonics:**

- Demonstrates the relationship between letters and letter combinations of written words and the sounds of spoken words

### **Vocabulary:**

- Acquires and uses grade-level words to communicate effectively
- Understands and acquires new vocabulary and uses it correctly in reading and writing
- Acquires new vocabulary in each content area and uses it correctly

### **Listening/Speaking:**

- Uses oral and visual skills to communicate
- Participates in student-to-teacher, student-to-student, and group verbal interactions
- Participates in discussions related to curricular learning in all subject areas

### **Writing**

- Develops an understanding of the principles of writing
- Writes or dictates to describe familiar persons, places, objects, or experiences
- Uses left-to-right pattern of writing

The assistive technology devices referenced in this document are included to provide examples of different types of devices used by students with disabilities to accomplish educationally relevant tasks in instructional and access areas. The document does not include all assistive technology devices within a device category and inclusion of a particular device does not constitute endorsement by the Georgia Department of Education. Additional devices may be added to the document by contacting the Georgia Project for Assistive Technology.

Additional information about the assistive technology devices referenced in this document is available on the Georgia Project for Assistive Technology's website at <http://www.gpat.org>. Additional information about the Georgia Performance Standards is available on the Georgia Department of Education's website at <http://doe.k12.ga.us>

| Types of Communication Systems                   | Examples   | Display |         |                     | Voice Output      |           |             | Access Methods   |               |                   | Scan Methods    |                   | Symbol Systems |             |               |               |                  |
|--|--|---------|---------|---------------------|-------------------|-----------|-------------|------------------|---------------|-------------------|-----------------|-------------------|----------------|-------------|---------------|---------------|------------------|
|  |  | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Communication boards, books, folders and wallets | Object-Picture Talk Board (Crestwood)  | X       |         |                     | X                 |           |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|  | Choice Go Boards (Enabling Devices)  | X       |         |                     | X                 |           |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|  | Easy See Go Board w/ Large Icon Holders for Visually Impaired (Enabling Devices) | X       |         |                     | X                 |           |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|  | Magnetic Kidboards (Mayer Johnson)   | X       |         | X                   | X                 |           |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|  | Communication Books/Wallets/Display Boards/Folders (Mayer-Johnson)               | X       |         | X                   | X                 |           |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|  | Communication Boards (Millikin Communications Innovations)                       | X       |         | X                   | X                 |           |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
| Eye gaze frames                                  | Eye Gaze Frames (Crestwood)  | X       |         |                     | X                 |           |             |                  |               |                   | X               |                   | X              | X           | X             | X             | X                |
|  | 3-D Eye-Talk (Enabling Devices)  | X       |         |                     | X                 |           |             |                  |               |                   | X               |                   | X              |             |               |               |                  |
| Compartmentalized communication systems          | Base Trainer (AMDi)  | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   | X              | X           | X             | X             |                  |
|  | Compartmentalized Communicators 2, 3, 4, or 5 (Enabling Devices)                 | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              |             |               |               |                  |
|  | Compact Communicators with Lights (Enabling Devices)                             | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|  | Grooved Platform Communicators (Enabling Devices)                                | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |

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|   |   | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Compartmentalized communication systems<br><i>continued</i> | 4/8 Object Communicator (Enabling Devices)                                | X       |         |                     |                   | X         |             | X                | X             |                   | X               |                   | X              |             |               |               |                  |
|   | Lapboard Take or Place N' Talk (Enabling Devices)                         | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              |             |               |               |                  |
|   | Classroom Take or Place N' Talk (Enabling Devices)                        | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              |             |               |               |                  |
|   | Four Compartment Scanning Communicator w/Icon Holder (Enabling Devices)   | X       |         |                     |                   | X         |             | X                | X             | X                 | X               |                   | X              | X           | X             | X             |                  |
|   | Super-Sized Communicator (Enabling Devices)                               | X       |         |                     |                   | X         |             | X                | X             |                   | X               |                   | X              | X           | X             | X             |                  |
|   | Talking 4 Compartment Scanner (Enabling Devices)                          | X       |         |                     |                   | X         |             | X                | X             |                   | X               |                   | X              |             |               |               |                  |
|   | Four Compartment Communicator w/ Lights & Icon Holders (Enabling Devices) | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
| Single location, single message communication systems       | BIGmack Communicator (AbleNet)  | X       |         |                     |                   | X         |             | X                | X             |                   |                 |                   | X              | X           | X             | X             |                  |
|   | LITTLEmack Communicator (AbleNet)   | X       |         |                     |                   | X         |             | X                | X             |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Talking Symbols Notepad (AbleNet)   | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Chipper (Adaptation)  | X       |         |                     |                   | X         |             | X                | X             |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Partner/One 1X1 (AMDi)  | X       |         |                     |                   | X         |             | X                | X             |                   |                 |                   | X              | X           | X             | X             |                  |

| Types of Communication Systems  | Examples                                       | Display |         |                     | Voice Output      |           |             | Access Methods   |               |                   | Scan Methods    |                   | Symbol Systems |             |               |               |                  |
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|   |  | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Single location, single message communication systems<br><i>continued</i> | GoTalk One (Attainment)                        | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | GoTalk Button (Attainment)                     | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                |             |               |               |                  |
|   | No Touch Talker (Attainment)                   | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Personal Talker (Attainment)                   | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Single Message Communicator (Enabling Devices) | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Put-Em-Arounds (Enabling Devices)              | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Mini-Coms (Enabling Devices)                   | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             |               |                  |
|   | Talking Picture Card Holder (Enabling Devices) | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Say It Play It Switch Plate (Enabling Devices) | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Side Swiping Communicator (Enabling Devices)   | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             |               |                  |
|   | Clip Talk (Enabling Devices)                   | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   |                |             |               |               |                  |
| One Take N' Talk (Enabling Devices)                                       | X  |         |         |                     | X                 |           | X           |                  |               |                   | X               | X                 | X              | X           |               |               |                  |

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|---|---|---------|---------|---------------------|-------------------|-----------|-------------|------------------|---------------|-------------------|-----------------|-------------------|----------------|-------------|---------------|---------------|------------------|--|
|   |   | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |  |
| Single location, single message communication systems<br><i>continued</i> | Talking Buddy (Tash)                            | X       |         |                     |                   | X         |             |                  | X             | X                 |                 |                   |                | X           | X             | X             | X                |  |
|   | Wrist Talker (Enabling Devices)                 | X       |         |                     |                   | X         |             |                  | X             |                   |                 |                   |                |             |               |               |                  |  |
|   | Big Talk (Enabling Devices)                     | X       |         |                     |                   | X         |             |                  | X             | X                 |                 |                   |                | X           | X             | X             | X                |  |
|   | Small Talk (Enabling Devices)                   | X       |         |                     |                   | X         |             |                  | X             | X                 |                 |                   |                | X           | X             | X             | X                |  |
|   | Talking Symbols Notepad (AbleNet)               | X       |         |                     |                   | X         |             |                  | X             |                   |                 |                   |                |             | X             | X             | X                |  |
| Single location/message, multi-level communication systems                | One Take N' Talk – 12 Level (Enabling Devices)  | X       |         |                     |                   | X         |             |                  | X             |                   |                 |                   |                | X           | X             | X             | X                |  |
|   | Voice POD (Attainment)                          | X       |         |                     |                   | X         |             |                  | X             |                   |                 |                   |                |             | X             | X             | X                |  |
|   | Multi-Coms (Enabling Devices)                   | X       |         |                     |                   | X         |             |                  | X             |                   |                 |                   |                | X           | X             | X             | X                |  |
| Single location, sequential message communication systems                 | LITTLE Step by Step Communicator (AbleNet)      | X       |         |                     |                   | X         |             |                  | X             | X                 |                 |                   |                | X           | X             | X             | X                |  |
|   | BIG Step-by-Step Communicator (AbleNet)         | X       |         |                     |                   | X         |             |                  | X             | X                 |                 |                   |                | X           | X             | X             | X                |  |
|   | Step-by-Step Communicator with Levels (AbleNet) | X       |         |                     |                   | X         |             |                  | X             |                   |                 |                   |                | X           | X             | X             | X                |  |
|   | Sequencer (Adaptation)                          | X       |         |                     |                   | X         |             |                  | X             | X                 |                 |                   |                | X           | X             | X             | X                |  |

| Types of Communication Systems  | Examples  | Display |         |                     | Voice Output      |           |             | Access Methods   |               |                   | Scan Methods    |                   | Symbol Systems |             |               |               |                  |
|---|---|---------|---------|---------------------|-------------------|-----------|-------------|------------------|---------------|-------------------|-----------------|-------------------|----------------|-------------|---------------|---------------|------------------|
|   |   | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Single location, sequential message communication systems<br><i>continued</i> | Partner One/Stepper (AMDi)  | X       |         |                     |                   | X         |             | X                | X             |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Hip Step-Talking Sequencer  | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           |               |               |                  |
|   | Step Talking Sequencer Switch Plate (Enabling Devices)  | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             |               |                  |
|   | Mini-Com Sequencer (Enabling Devices)   | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           |               |               |                  |
| Single location, random message communication systems                         | Randomizer (Adaptivation)   | X       |         |                     |                   | X         |             | X                | X             |                   |                 | X                 | X              | X           | X             |               |                  |
| Single location, random and sequential message communication system           | Big Talk Triple Play (Enabling Devices) formerly Press Your Luck w/ Built-in Sequencer (Enabling Devices) | X       |         |                     |                   | X         |             | X                | X             |                   |                 | X                 | X              | X           | X             |               |                  |
| Single level, multi-message communication system                              | iTalk2 Communicator (AbleNet)   | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Partner/Two (AMDi)  | X       |         |                     |                   | X         |             | X                | X             |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Talk Back III (Crestwood)   | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Twin Talk (Enabling Devices)  | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |
|   | Rocking Say It Play It (Enabling Devices)   | X       |         |                     |                   | X         |             | X                |               |                   |                 | X                 | X              | X           | X             |               |                  |

| Types of Communication Systems  | Examples   | Display |         |                     | Voice Output      |           |             | Access Methods   |               |                   | Scan Methods    |                   | Symbol Systems |             |               |               |                  |
|---|--|---------|---------|---------------------|-------------------|-----------|-------------|------------------|---------------|-------------------|-----------------|-------------------|----------------|-------------|---------------|---------------|------------------|
|   |  | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Single level, multi-message communication systems<br><i>continued</i> | Rocking Two Message Communicator w/ Light (Enabling Devices) | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Partner/Four (with or without LED & vibration) (AMDi)        | X       |         |                     |                   | X         |             | X                | X             | X                 | X               |                   | X              | X           | X             | X             |                  |
|   | Tech/Four (AMDi)   | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   | X              | X           | X             | X             |                  |
|   | One By Four Talker (Attainment)                              | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | TalkBook Four (Attainment)                                   | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Cheap Talk 4 Square (Enabling Devices)                       | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   | X              | X           | X             | X             |                  |
|   | Cheap Talk 4 In-Line (Enabling Devices)                      | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   | X              | X           | X             | X             |                  |
|   | TalkPad (Frame Technologies)                                 | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Listen To Me (Adamlab)                                       | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Talk Back 16, 36 (Crestwood)                                 | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Cheap Talk 8 (Enabling Devices)                              | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   | X              | X           | X             | X             |                  |
|   | On-the-Go Cheap Talk 8 (Enabling Devices)                    | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |

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|---|--|---------|---------|---------------------|-------------------|-----------|-------------|------------------|---------------|-------------------|-----------------|-------------------|----------------|-------------|---------------|---------------|------------------|--|
|   |  | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |  |
| Single level, multi-message communication systems<br><i>continued</i> | Auditory Choice Making Communicator for Visually Impaired (Enabling Devices) | X       |         |                     |                   | X         |             |                  | X             | X                 |                 |                   | X              |             |               |               |                  |  |
|   | Cheap Talk 8 Scan (Enabling Devices)   | X       |         |                     |                   | X         |             |                  | X             | X                 | X               | X                 | X              | X           | X             | X             | X                |  |
|   | Cheap Talk 4 In-line Scan (Enabling Devices)                                 | X       |         |                     |                   | X         |             |                  | X             | X                 | X               | X                 |                | X           | X             | X             | X                |  |
|   | Ultimate 8 (Tash)  | X       |         |                     |                   | X         |             |                  | X             | X                 | X               |                   |                | X           | X             | X             | X                |  |
|   | Mini MessageMate (Words+)  | X       |         |                     |                   | X         |             |                  | X             | X                 | X               |                   |                |             | X             | X             | X                |  |
|   | Message Mate 20, 40 (Words +)  | X       |         |                     |                   | X         |             |                  | X             | X                 | X               | X                 |                |             | X             | X             | X                |  |
|   | Talking Communiclock (Crestwood)   | X       |         |                     |                   | X         |             |                  |               | X                 | X               | X                 |                | X           | X             | X             | X                |  |
|   | Clock Communicator (Enabling Devices)  | X       |         |                     |                   | X         |             |                  |               | X                 |                 | X                 |                |             | X             | X             | X                |  |
|   | Compartmentalized Clock Communicator (Enabling Devices)                      | X       |         |                     |                   | X         |             |                  |               | X                 |                 | X                 |                | X           |               |               |                  |  |
|   | Dual Clock Communicator (Enabling Devices)                                   | X       |         |                     |                   | X         |             |                  |               | X                 |                 | X                 |                | X           |               |               |                  |  |
|   | Comboard (Tash)  | X       |         |                     |                   | X         |             |                  |               | X                 | X               | X                 |                | X           | X             | X             | X                |  |
| Hip Talk (Enabling Devices)   | X  |         |         |                     |                   | X         |             |                  | X             |                   |                 |                   |                | X           | X             | X             |                  |  |



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| Single level, multi-message communication systems<br><i>continued</i> | Hip Talk Plus (Enabling Devices)              | X       |         | X                   |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Companion Communicator (Enabling Devices)     | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
| Multi-level, multi-message, communication systems                     | BlackHawk Communication Device (AdamLab)      | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Hawk II & III Communication Devices (AdamLab) | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   |                | X           | X             | X             |                  |
|   | Lighthawk Communication Device (AdamLab)      | X       |         |                     |                   | X         |             | X                | X             | X                 | X               |                   | X              | X           | X             | X             |                  |
|   | VoicePal Levels (Adaptivation)                | X       |         |                     |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             | X             |                  |
|   | Tech/Scan (AMDi)                              | X       |         |                     |                   | X         |             | X                | X             | X                 | X               |                   |                | X           | X             | X             |                  |
|   | Tech/Scan Plus (AMDi) (auditory prompt)       | X       |         |                     |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             | X             |                  |
|   | Tech/Talk -8 cells (AMDi)                     | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Tech/Speak – 32 cells (AMDi)                  | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Tech/128 (AMDi)                               | X       |         | X                   |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
| GoTalk 4+ (Attainment)  | X   |         |         |                     | X                 |           | X           |                  |               |                   |                 | X                 | X              | X           | X             |               |                  |

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|   |  | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Multi-level, multi-message, communication systems<br><i>continued</i> | GoTalk 9+ (Attainment)                                 | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | GoTalk 20+ (Attainment)                                | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Talk Back 27, 24, 12 (Crestwood)                       | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Talk Back Scanner 12 (Crestwood)                       | X       |         |                     |                   | X         |             | X                | X             |                   | X               |                   |                | X           | X             | X             |                  |
|   | 32 Message Communicator (Enabling Devices)             | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Cheap Talk 4 In-Line with 12-Levels (Enabling Devices) | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Talk 8 with Levels (Enabling Devices)                  | X       |         |                     |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             |               |                  |
|   | Talk 4 with Levels (Enabling Devices)                  | X       |         |                     |                   | X         |             | X                | X             |                   | X               | X                 |                | X           | X             |               |                  |
|   | 7-Message Take N' Talk Tabletop (Enabling Devices)     | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Cheap Talk 8 6-Level Communicator (Enabling Devices)   | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   |                | X           | X             | X             | X                |
|   | Cheap Talk 8 – 2 Levels (Enabling Devices)             | X       |         |                     |                   | X         |             | X                | X             | X                 |                 |                   |                | X           | X             | X             | X                |
|   | On-the-Go 6-Level Communicator (Enabling Devices)      | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             | X                |
|   | Round Cheap Talk 4 (Enabling Devices)                  | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             | X                |

| Types of Communication Systems  | Examples   | Display |         |                     | Voice Output      |           |             | Access Methods   |               |                   | Scan Methods    |                   | Symbol Systems |             |               |               |                  |
|---|--|---------|---------|---------------------|-------------------|-----------|-------------|------------------|---------------|-------------------|-----------------|-------------------|----------------|-------------|---------------|---------------|------------------|
|   |  | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Multi-level, multi-message, communication systems<br><i>continued</i> | Symbol Communicator for the Blind (Enabling Devices)                         | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   | X              |             |               |               |                  |
|   | Visually Impaired Communicator w/ background illumination (Enabling Devices) | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | KinderTalker Large Classroom Board (Frame Technologies)                      | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Voice-In-A-Box 6/16 & 6/36 (Frame Technologies)                              | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | MicroVoice 6/24 (Frame Technologies)   | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Turn 'n Talk with Optical Sensor Panel (Frame Technologies)                  | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Multi-Level Message Mate 40 (Words+)   | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | Pocket GoTalk (Attainment)   | X       |         |                     |                   | X         |             | X                |               |                   |                 |                   |                | X           | X             | X             |                  |
|   | FL4SH (AbleNet)  | X       |         |                     |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             |               |                  |
|   | Tango (AbleNet)  |         | X       |                     |                   | X         | X           | X                | X             | X                 | X               | X                 |                |             | X             | X             |                  |
|   | SuperTalker Progressive Communicator (AbleNet)                               | X       |         | X                   |                   | X         |             | X                | X             | X                 |                 |                   | X              | X           | X             | X             |                  |
|   | SuperHawk Plus Communication Device (AdamLab)                                | X       |         | X                   |                   | X         |             | X                | X             | X                 |                 | X                 |                | X           | X             | X             |                  |
| SuperHawk Communication Device (AdamLab)                              | X  |         | X       |                     | X                 |           | X           | X                | X             |                   | X               |                   | X              | X           | X             |               |                  |

| Types of Communication Systems  | Examples  | Display |         |                     | Voice Output      |           |             | Access Methods   |               |                   | Scan Methods    |                   | Symbol Systems |             |               |               |                  |
|---|---|---------|---------|---------------------|-------------------|-----------|-------------|------------------|---------------|-------------------|-----------------|-------------------|----------------|-------------|---------------|---------------|------------------|
|   |   | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Multi-level, multi-message, communication systems<br><i>continued</i> | Laptop Communicator (Enabling Devices)                                      | X       |         | X                   |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Communication Builder (Enabling Devices) (single level, 4-level, & 7-level) | X       |         | X                   |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | On-the-Go 7-Level Communication Builder (Enabling Devices)                  | X       |         | X                   |                   | X         |             | X                |               |                   |                 |                   | X              | X           | X             | X             |                  |
|   | Digicom 2000 (Great Talking Box)  | X       |         | X                   |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             | X             | X                |
|   | adVOCAte (Zygo)   | X       |         | X                   |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             | X             |                  |
|   | MaCaw 5 (Zygo)  | X       |         | X                   |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             | X             | X                |
|   | MaCaw Green (Zygo)  | X       |         | X                   |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             | X             | X                |
|   | Talara (Zygo)   | X       |         | X                   |                   | X         |             | X                | X             |                   | X               |                   |                | X           | X             | X             |                  |
|   | Dynamo (DynaVox Technologies)   |         | X       | X                   |                   | X         |             | X                | X             |                   | X               |                   |                |             | X             | X             |                  |
|   | MightyMo/ MiniMo ((DynaVox Technologies)                                    |         | X       | X                   |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             | X             | X                |
|   | SpringBoard Plus (Prentke Romich)   |         | X       | X                   |                   | X         |             | X                | X             | X                 | X               | X                 |                | X           | X             | X             | X                |
| Handheld Voice (Saltillo Corporation)                                 |   | X       | X       |                     | X                 |           | X           |                  |               |                   |                 |                   | X              | X           | X             |               |                  |

| Types of Communication Systems  | Examples                                | Display |         |                     | Voice Output      |           |             | Access Methods   |               |                   | Scan Methods    |                   | Symbol Systems |             |               |               |                  |
|---|---|---------|---------|---------------------|-------------------|-----------|-------------|------------------|---------------|-------------------|-----------------|-------------------|----------------|-------------|---------------|---------------|------------------|
|   |   | Static  | Dynamic | Multi-Configuration | Non -Voice Output | Digitized | Synthesized | Direct Selection | Single Switch | Dual/Multi Switch | Visual Scanning | Auditory Scanning | Objects        | Photographs | Line Drawings | Printed Words | Keyboard/Letters |
| Multi-level, multi-message, communication systems<br><i>continued</i> | Chat PC (Tash)                          |         | X       | X                   |                   | X         | X           | X                |               |                   |                 |                   |                | X           | X             | X             | X                |
|   | Cyrano Communicator (One Write Company) |         | X       | X                   |                   |           | X           | X                |               |                   |                 |                   |                | X           |               | X             | X                |