

## **Assistive Technology Devices for Augmentative Communication in the Academic Setting**

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.

### **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

### **Writing:**

- Demonstrates competency in the writing process
- Produces writing that establishes an appropriate organizational structure, sets a context and engages the read, maintains a coherent focus throughout, and signals a satisfying closure
- Uses research and technology to support writing
- Consistently uses the writing process to develop, revise, and evaluate writing

### **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

### **Conventions**

- Demonstrates understanding and control of the rules of the English language, realizing that usages involves the appropriate application of conventions and grammar in both written and spoken formats.

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 some of 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>.

Activity Based Systems																											
Communication Systems	Platform		Display		Voice Output		Access Methods						Scan Methods			Symbol Systems				Core Word Packages Available							
	Dedicated	Software	Hardware	Multi-level Static	Dynamic	Static/Dynamic	Digitized	Synthesized	Direct Selection	Mouse	Keyboard	Joystick/Trackball	Head pointing	Single Switch	Dual/Multi Switch	Morse Code	Automatic	Step	Inverse	Visual Scanning	Auditory Scanning	Photographs	Line Drawings	Printed Words	Keyboard/Letters	Symbol Based	Text Based
<b>Auggie</b> (www.rjcooper.com)			X		X		X	X	X	X	X	X	X	X	X		X	X		X	X	X	X				
<b>ChatPC II</b> (www.salttillo.com)		X	X		X		X	X	X												X	X	X	X			X
<b>ChatPC M3</b> (www.salttillo.com)		X	X		X		X	X	X												X	X	X	X			X
<b>ChatPC D3</b> (www.salttillo.com)	X	X	X		X		X	X	X												X	X	X	X			X
<b>Digicom 2000</b> (www.greattalkingbox.com)	X			X			X		X					X	X		X	X		X	X	X	X				X
<b>Dialect</b> (www.zygo-usa.com)			X		X		X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X			
<b>DV4/MT4</b> (www.dynavoxtech.com)	X				X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
<b>DynaVox Speaking Software</b> (www.dynavoxtech.com)		X			X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
<b>E-Talk 6400</b> (www.greattalkingbox.com)	X				X		X	X	X			X	X	X	X		X	X		X	X	X	X	X			X
<b>E-Talk 8400</b> (www.greattalkingbox.com)	X				X		X	X	X			X	X	X	X		X	X		X	X	X	X	X			X
<b>E-Talk Tablet</b> (www.greattalkingbox.com)		X	X		X		X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X			
<b>E-Talk 12.1</b> (www.greattalkingbox.com)	X				X		X	X	X			X	X	X	X		X	X		X	X	X	X	X			X
<b>FL4SH</b> (www.ablenetinc.com)	X			X			X							X	X		X	X		X	X	X	X				X
<b>Freedom 2000 Toughbook Basic</b> (www.words-plus.com)			X		X		X	X		X	X	X	X	X	X		X	X		X	X	X	X				

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<b>Freedom 2000 Toughbook Plus</b> (www.words-plus.com)			X		X		X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X			
<b>Freedom 2000 LITE – B</b> (www.words-plus.com)			X		X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X			
<b>Freedom 2000 LITE – P</b> (www.words-plus.com)	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X			
<b>The Grid Software</b> (www.zygo-usa.com)		X			X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		
<b>Gus! Communicator Q1</b> (www.gusinc.com)			X		X		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X			
<b>Gus! Communicator 2000</b> (www.gusinc.com)			X		X		X	X		X	X	X	X	X		X	X		X	X	X	X	X	X			
<b>Gus! Communicator 6000</b> (www.gusinc.com)			X		X		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X			
<b>Gus Communicator for Pocket PC</b> (www.gusinc.com)		X			X		X	X	X		X										X	X	X	X			X
<b>Gus! MultiMedia Speech System</b> (www.gusinc.com)		X			X		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X			X
<b>Gus! Pocket Communicator X30</b> (www.gusinc.com)	X	X	X		X		X	X	X		X											X	X	X	X		X
<b>Gus! Pocket Communicator X51</b> (www.gusinc.com)	X	X	X		X		X	X	X		X											X	X	X	X		X
<b>Gus! Pocket Communicator X700</b> (www.gusinc.com)	X	X	X		X		X	X	X		X											X	X	X	X		X

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<b>Gus! Pocket Communicator X63</b> (www.gusinc.com)	X	X	X		X		X	X	X		X											X	X	X	X			X
<b>iChat 2G</b> (www.dynavotech.com)	X	X	X		X		X	X	X		X											X	X	X	X			X
<b>Macaw 5</b> (www.zygo-usa.com)	X			X			X		X		X		X	X		X	X		X	X	X	X	X	X	X			X
<b>Macaw Green</b> (www.zygo-usa.com)	X			X			X		X		X		X	X		X	X		X	X	X	X	X	X	X			X
<b>Mercury II/MiniMerc</b> (www.assistivetech.com)			X		X		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X			
<b>MightyMo/MiniMo</b> (www.dynavotech.com)	X				X		X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
<b>Mini-Auggie</b> (www.rjcooper.com)	X	X	X		X		X	X	X					X	X		X	X		X	X	X	X	X	X			X
<b>Optimist 3</b> (www.zygo-usa.com)	X	X	X		X		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X			
<b>PalmTop Impact</b> (www.dynavotech.com)		X	X		X		X	X	X					X	X	X	X		X	X	X	X	X	X	X	X	X	
<b>Say-It! Sam</b> (www.words-plus.com)	X	X	X		X		X	X	X													X	X	X	X			X
<b>Say-It! Sam Tablet SM1/ST1</b> (www.words-plus.com)		X	X		X		X	X	X					X	X		X	X		X		X	X	X	X			X
<b>Say-It! Sam Tablet XP1</b> (www.words-plus.com)	X	X	X		X		X	X	X					X	X	X	X		X		X	X	X	X	X	X	X	
<b>Speaking Dynamically Pro</b> (www.mayerjohnson.com)		X			X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
<b>Super Auggie</b> (www.rjcooper.com)			X		X		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X			

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	Dedicated	Software	Hardware	Multi-level Static	Dynamic	Static/Dynamic	Digitized	Synthesized	Direct Selection	Mouse	Keyboard	Joystick/Trackball	Head pointing	Single Switch	Dual/Multi Switch	Morse Code	Automatic	Step	Inverse	Visual Scanning	Auditory Scanning	Photographs	Line Drawings	Printed Words	Keyboard/Letters	Symbol Based	Text Based	Not Available
<b>Tablet XL</b> (www.dynavotech.com)	X	X	X		X		X	X	X	X			X	X	X		X	X		X	X	X	X	X	X			
<b>Talara</b> (www.zygo-usa.com)	X			X			X		X					X			X			X		X	X	X	X			X
<b>Tango</b> (www.ablenetinc.com)	X				X		X	X	X					X	X		X	X		X	X	X	X	X	X			X
<b>Talking Screen Software</b> (www.words-plus.com)		X			X		X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X			X
<b>Tech Scan 8/32 Plus</b> (www.amdi.net)	X			X			X		X					X	X		X	X		X	X	X	X	X			X	
<b>Tech Speak</b> (www.amdi.net)	X			X			X		X													X	X	X	X			X
<b>Tech 128</b> (www.amdi.net)	X			X			X		X													X	X	X	X			X
<b>Tech/Touch</b> (www.amdi.net)		X	X		X		X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	
<b>Tech/Touch Dedicated</b> (www.amdi.net)	X	X	X		X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
<b>TuffTalker Convertible</b> (www.words-plus.com)		X	X		X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
<b>TuffTalker Plus</b> (www.words-plus.com)			X		X		X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	
<b>V</b> (www.dynavotech.com)		X	X		X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
<b>Vmax</b> (www.dynavotech.com)		X	X		X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
<b>Viking Communicator 3 Software</b> (www.amdi.net)		X			X		X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X			X	

Minspeak Based Systems																												
Communication Systems	Platform		Display		Voice Output		Access Methods						Scan Methods			Symbol Systems				Core Word Packages Available								
	Dedicated	Software	Hardware	Multi-level Static	Dynamic	Dynamic/Static Combo	Digitized	Synthesized	Direct Selection	Mouse	Keyboard	Joystick/Trackball	Head pointing	Single Switch	Dual/Multi Switch	Morse Code	Automatic	Step	Inverse	Visual Scanning	Auditory Scanning	Photographs	Line Drawings	Printed Words	Keyboard/Letters	Symbol Based	Text Based	Not Available
<b>Pathfinder Plus</b> (www.prentrom.com)	X				X	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		
<b>Springboard Plus</b> (www.prentrom.com)	X				X		X		X		X	X	X	X			X	X		X	X	X	X	X	X	X		
<b>Vanguard/Vantage Plus</b> (www.prentrom.com)	X				X		X	X	X		X	X	X	X			X	X		X	X	X	X	X	X	X	X	
<b>Eco-14</b> (www.prentrom.com)		X	X		X		X	X	X	X	X	X	X	X			X	X		X	X	X	X	X	X	X	X	

Keyboard/Letter Based Systems																											
Communication Systems	Platform		Display			Voice Output		Access Methods						Scan Methods			Symbol Systems			Rate Enhancements							
	Dedicated	Software	Hardware	Multi-level Static	Dynamic	Keyboard/LCD	Digitized	Synthesized	Direct Selection	Mouse	Keyboard	Joystick/Trackball	Head pointing	Single Switch	Dual/Multi Switch	Morse Code	Automatic	Step	Inverse	Visual Scanning	Auditory Scanning	Photographs	Line Drawings	Printed Words	Keyboard/Letters	Word Prediction	Abbreviation Expansion
<b>Allora</b> (www.zygo-usa.com)	X				X	X	X			X			X			X								X	X	X	
<b>Aurora Suite 2005 Software</b> (www.aurora-systems.com)		X			X		X		X	X														X	X	X	
<b>DynaWrite</b> (www.dynavoxtech.com)	X				X		X			X			X	X		X	X		X	X				X	X	X	
<b>EZ Keys Software</b> (www.words-plus.com)		X			X		X		X	X	X	X	X	X	X	X	X		X	X				X	X	X	
<b>Gus! Easy Talk for Pocket PCs Software</b> (www.gusinc.com)		X			X		X	X	X	X														X	X	X	
<b>Gus! Pocket Keyboard for Pocket PCs Software</b> (www.gusinc.com)		X			X		X	X	X	X														X	X	X	
<b>LightWRITER SL35/ 38</b> (www.dynavoxtech.com)	X				X		X			X														X	X	X	
<b>LightWRITER SL35 Scanning Module</b> (www.zygo-usa.com)							X						X	X		X	X		X	X				X			
<b>LightWRITER SL55</b> (www.zygo-usa.com)	X				X					X														X			
<b>LightWRITER SL87/ 88</b> (www.dynavoxtech.com)	X				X		X	X		X			X	X	X	X	X		X	X				X	X		
<b>Link Classic</b> (www.assistivetech.com)	X				X		X			X														X		X	
<b>Link Plus</b> (www.assistivetech.com)	X				X		X			X			X			X			X					X	X	X	
<b>Polyanna-3 with Persona</b> (www.zygo-usa.com)			X		X		X	X		X			X	X		X	X		X					X	X	X	

Keyboard/Letter Based Systems																												
Communication Systems	Platform		Display		Voice Output		Access Methods						Scan Methods			Symbol Systems			Rate Enhancements									
	Dedicated	Integrated		Multi-level Static	Dynamic	Keyboard/LCD	Digitized	Synthesized	Direct Selection	Mouse	Keyboard	Joystick/Trackball	Head pointing	Single Switch	Dual/Multi Switch	Morse Code	Automatic	Step	Inverse	Visual Scanning	Auditory Scanning	Photographs	Line Drawings	Printed Words	Keyboard/Letters	Word Prediction	Abbreviation Expansion	Not Available
		Software	Hardware																									
<b>Polyanna-4 with Persona</b> (www.zygo-usa.com)			X		X		X	X		X				X	X		X							X	X	X		
<b>Spok21</b> (www.zygo-usa.com)	X				X		X	X		X	X		X			X				X				X				
<b>Windbag Software</b> (www.zygo-usa.com)		X		X			X	X	X	X	X	X	X			X				X				X	X	X		

The devices listed on the table above are not meant to be an all inclusive listing of devices within the categories provided. Any exclusion of a specific device was not intentional. The features designated for the devices are meant to indicate that the device has the capacity to provide that feature and the feature may be dependent upon external accessories or specific software programs (i.e., switch interfaces, etc.). A good faith effort has been made to verify the information contained in this table; however, if errors have been made related to the features of specific devices they are not intentional. Individuals are encouraged to explore each device in order to verify that it contains all of the features needed for their specific students.