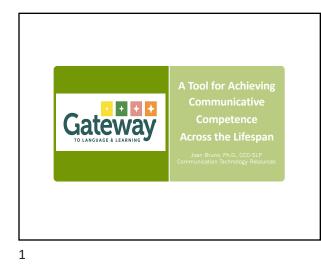
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What is Gateway[©]?

An AAC App that supports the



- communication needs of children, teens and adults with a range of user abilities
 A series of high-frequency *Core Word* page sets, each with focused fringe vocabulary, enabling novel message generation and effective communication at home, school and in the community.
- Efficiently organized page sets with an average # of keystrokes <a>1.5 per word
- A tool that supports language development and language use within functional contexts by use of focused fringe vocabulary and Theme pages.



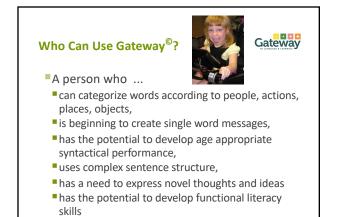
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Gatew Page Set Paradigm				
	TouchChat			
Learning Language	Language Impaired	Linguistically Competent		
Child 12	Teen 20	Child 66		
Child 20	Teen 30	Teen 40		
Child 40		Teen/Adult 66		
		Text 40		
Child 66				
Child 66		Text 66		

4

	Page Set Paradigm for Proloquo2Go and Snap						
Child Functional	Teen/Adult Functional	Developing Language	Advanced Communicator	Text			
3*4	3*4	3*4					
5*6	5*6	4*6					
5*7	5*7	5*7					
5*9	5*9	5*9	5*9	5*9			
6*11	6*11	6*11	6*11	6*11			
8*11	8*11	8*11	8*11	8*11			
9*12	9*12	9*12	9*12	9*12			
	10*14	10*14	10*14	10*14			





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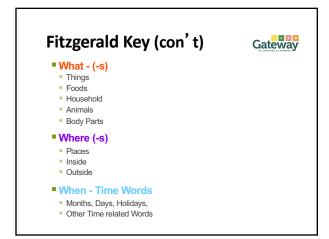
- DICTIONARY folder for quick access to fringe vocabulary
- Symbol page sets for young users or those who need or prefer symbols and Text page sets for literate users who prefer a text-based approach.
- Option to select a Developmental Progression model or Advanced grid size – hide buttons to simplify











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Effective Communication Cetters Part #1 – Ability to say what you want to say, when you want to say it. Appropriate Vocabulary Selection Large and diverse core vocabulary Academic vocabulary Enable "Real Time" spontaneous conversation across environments – home – school - community

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What is Core Vocabulary Core vocabulary is a small set of simple words, in any language, that are used frequently and across contexts (Cross, Baker, Klotz & Badman, 1997). Core: the choicest or most essential or most vital part of some idea or experience Shared "Core" have, want, go, I, Is "eat or drink really core" Individual "Core" Chips, pretzel, noisy

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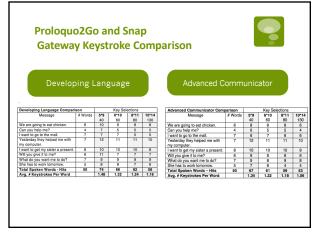
Effective Communication Gateway

- Part #2 Create Messages With a Minimum Amount of Effort
- Minimize Cognitive demands of symbol identification/recognition
- Improved access
- Access each word with an average of <_2</p> key selections per word

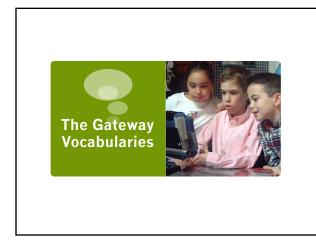
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uchChat systroke Comp	oariso	n	Gat
Sentence	ence # of # of Key Selections Wds		lections
		Gateway 40-Child	Gateway 66- Teen/Adult
I want to go outside.	5	5	5
I don't want to go to school.	7	9	8
Can you help me?	4	7	6
Will you read to me?	5	8	6
I am going to play baseball.	6	6	8
I forgot to do my homework.	6	13	11
I love to eat ice cream.	6	7	6
What are you going to eat?	6	8	7
Do you have it when you go to school?	9	13	12
Yesterday I went swimming.	4	8	8
Total Number of Words	58	84	77
Avg. Number of Keystrokes		1.44	1.32

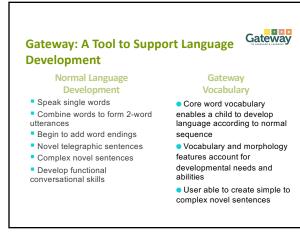
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Not All Children Require a **Developmental Model**

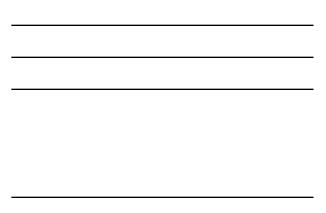
Gateway

Approaches

- Picture Exchange Communication System (PEC)
- Applied Behavioral Analysis (ABA)
- Language Acquisition through Motor Planning (LAMP)
- Limited Needs, Wants Interests
- Limited Social Interaction
- Functional
- Core and Fringe

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Targeted Users

Gateway

- Children developing language following a "typical course"
- Communicate using a range of 1-3 word telegraphic sentence to syntactically correct sentences
- Benefit from efficient (1.5 hits per word) and rich core-word page set
- Benefit from word endings, articles and prepositions
- May have spelling and reading among goals and/or abilities
- Benefit from pages promoting use in school, leisure and w/in the community.

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Create simple to complex sentences Improve pragmatic language performance Demonstrate mastery of core curriculum competencies

Communicate in a range of communicative contexts

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Features of Language Learning Gateway Page Sets?

- Core Single Word Vocabulary and Theme Pages
- Sentence Development Links
- "Semantic Power Strips"
- Opposite Strategy for "Descriptive Words" (Compass & TouchChat)
- Incremental Use of Word Morphology Features (e.g., -ing, -ed,)
- Features Complement Language Arts Goals and Competencies
- Organization Enables Classroom Participation
- Expressive Language Testing
 - Performance can be measured using the Preschool Language Scale
 - Can score up to 35 months w/ Gateway 20
 Can score up to 72 months on PLS-4 w/ Gateway 40

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Theme Pages – Support Pragmatic Language Development Gateway About Me Basic Information about the user Time to Chat

- Range of Pragmatic Functions
- Time to Learn
- Circle, Community Helpers, Meal Chat and Months Time to Play
- Variety of leisure activities to support language and literacy development
- Time in Town
- Activity page sets for community instruction and integration

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Benefits from Tabs with topical vocabulary to enhance participation in focused environments.

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AAC Needs for Linguistically Competent Gateway Communicator

- Effective Communication
- To be able to say what you want to say when you want to say it
- Efficient Communication
- To be able to say what you want to say with a minimum amount of effort

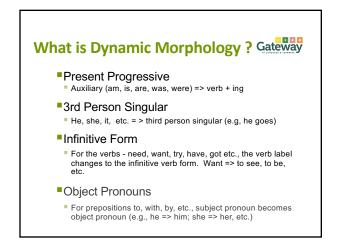
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How Does Gateway Support Efficient Gateway and Effective Communication?

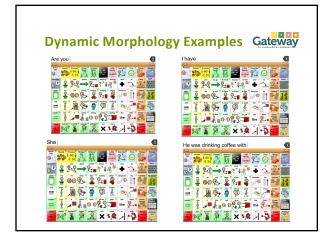
- High frequently vocabulary is included in the "Core Vocabulary"
- Utilization of Features to Reduce Keystrokes
 - Efficient access to Core vocabulary
 - "Dynamic Morphology"-
 - Semantic Power Strips
 - Spelling w/ Word Prediction + Category Folders
- Minimize Cognitive Demands
 - Single meaning symbols
 - Tabs for contextual communication
- Access to the spelling and word prediction

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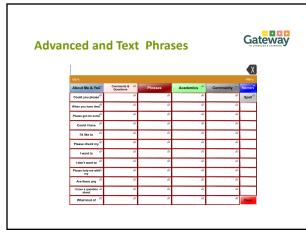
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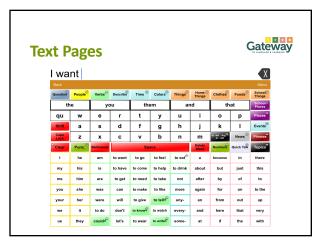


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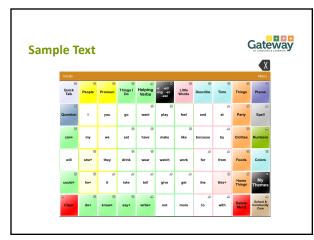




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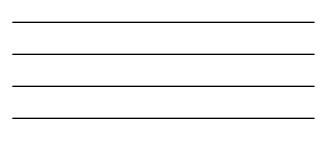


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Child Functional Page Sets

Gateway

- These page sets provide a powerful solution for children w/ ASD learning to:
- Make requests and comments
- Form simple to complex messages
- Improve pragmatic language performance
- Actively participate in their educational program
- Communicate in a range of functional activities

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Features of Child Functional Page Sets?

Gateway

- High frequency Core and Fringe Vocabularies ranging from 12 to 140 buttons
- Functional Home and School MAIN pages including common preferred items and activities
- Theme Pages to support functional language development and use
 Use of Sentence Development Links
- Use of Sentence Development Links
- Organization Supports LAMP principles
 Organization facilitates an easy transition from PECS
- Open pages support Classroom Participation

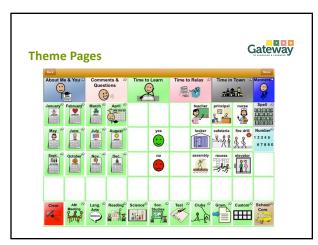
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Theme Pages – Support Pragmatic Language Development

- About Me
- Basic Information about the user
- Time to Chat
- Range of Pragmatic Functions
- Time to Learn
- Circle, Community Helpers, Meal Chat and MonthsTime to Play
- Variety of lesure activities to support language and literacy development
- Time in Town
- Activity page sets for community instruction and integration



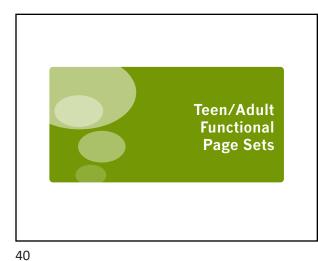


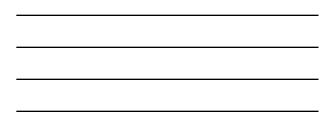
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Expressive Language Goals and Gateway

- Model use of common pictures to enhance language comprehension
- Help children use pictures/objects to talk about absent objects
- Stimulate the use of answers to open-ended ?s, focused questions, and single words in succession
- Provide opportunities to model and stimulate pivot-word utterances
- Play simple language-based games that promote use of telegraphic sentences

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Child/Teen/Adult Functional Gateway

- Emphasis on nouns (person, place or things), adjectives, verbs
- Minimal use of word endings and function words
- Use of Sentence Development Strips and functional vocabulary
- Folders to promote AAC in school, leisure and community

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Targeted User

Gateway

- Individuals w/ ASD and other expressive language impairments
- Needs access to a functional core-word vocabulary
- Communicates using telegraphic messages; word order often impaired
- No use of grammatical markers, articles, prepositions, etc.
- May use PECS w/ "I want" sentence strip

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What's in the Functional Vocabularies

Gateway

- MAIN Page that includes high frequency core and action and sensory-based fringe words
- "Sentence Development Strips for eat, drink, wear, go, etc.
- "Semantic Power Strips" to enrich vocabulary
- Fitzgerald Key organization
- Tab Set to facilitate use of language in educational, recreational and communitybased activities

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