



Pragmatic Organization Dynamic Display

Introduction to PODD for DynaVox Compass

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Agenda

- What is PODD?
 - Similarities & differences PODD books & page sets for SGD
 - Vocabulary selection and organisation
- PODD page sets for COMPASS: Emergent communication to complex syntax
- Demonstration of strategies to support more intelligible, varied communication for emergent and early language users
- Demonstration of Vocabulary organization strategies to support more efficient communication
- School section
- Questions

What is PODD?

Pragmatic Organization Dynamic Display

- **Pragmatic**
 - Use of communication
 - Purposes (communication functions)
 - Interaction and conversation (discourse)
- A way of organizing vocabulary for autonomous communication at any time
- Meet individual's varied communication requirements
 - Understand others and be understood
 - Intelligibly
 - Specifically
 - Efficiently
 - Independently (autonomously)



PODD

Integrated AAC system

- Light-tech (paper) PODD communication book
and
- High-tech (electronic) PODD page set for speech generating device
- Autonomous communication at any time
- Select the most efficient options to meet varied communication requirements

PODD

Paper book – SGD differences

- Size and shape of display (real estate)
- Paper versus computer display
 - Page turns, pop-ups, message window, page tags, go to page numbers
- Smart partner versus computer operating system
- Independent speech output
- Other functions of device
 - CLEAR, DELETE WORD, CHAT MODE, SMS, email, etc
- Extra pages don't add weight to an SGD



PODD book & page set for SGD

- NOT Identical
- NOT appropriate to merely
 - Copy a template designed for a PODD book onto a SGD
 - Print out a template designed for a SGD to make a book
- Sufficient similarities to be transparent
 - Reduce teaching-learning time
 - Facilitate easy transition to meet different requirements



Transparency between systems supports ease of learning and use





Within PODD

- Vocabulary is organized according to the individual's communication function and discourse requirements
- A range of organizational strategies may be used in the one PODD page set to suit different communication purposes.
 - Pragmatic
 - Core vocabulary
 - Category (taxonomic)
 - Activity specific (schematic)
 - Topic
 - Social and anecdotal



Within PODD

- Efficiency to meet communication requirements is the overriding factor determining the organization and placement of vocabulary.
- Page layout and placement of vocabulary to increase efficiency
 - Reduce visual searching
 - Supports the development of motor automaticity
 - Adjacency to previous selection



Within PODD

- Vocabulary organisation and location based on pragmatic, conversational discourse conventions
- Increase efficiency by predicting likely vocabulary usage patterns
 - Message
 - Discourse



Aided Language Stimulation

Input

Output

Aided Language Spoken Language (Sign language)



Aided Language (Spoken Language) (Sign language)

PODD

Within PODD

- A range of strategies are available to
 - manage the limitations of aided language
 - build strategic competency
 - scaffold the individual's inclusion of sufficient information to enable partner understanding at earlier stages of language development

PODD

Vocabulary to support autonomous communication

- Large pool of vocabulary from which the individual can select the words they wish to say
 - Vocabulary is available to express a full range of pragmatic functions
 - More efficient access to core vocabulary
 - Substantial extended (fringe, content) vocabulary that is necessary to introduce new topics, communicate specific messages and express personal style
- Customize vocabulary to reflect individual's personal style and life experiences
- Collect (store) additional words "on the spot"

PODD

Vocabulary

- Predominantly single words
- Predictable phrases & sentence starters
 - Efficiency
 - Discourse
 - Social participation
 - Manage communication interaction
 - feedback & instructions to partners
- Alphabet with word prediction



Within PODD

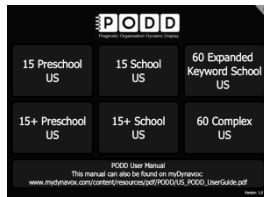
- Aided language development is supported through the provision of multiple page sets.
- Builds on existing skills with similarity of language organisational principles between different language levels.
- Reflects a developmental process as reported in the literature on both typical and aided language development.



PODD for DynaVox COMPASS two versions



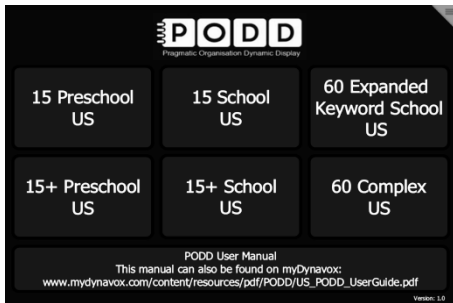
Australian
A4/A5 paper version of
PODD communication book
templates



US
US letter paper version of
PODD communication book
templates



6 PODD page sets for DynaVox COMPASS



PODD 15: Preschool / School



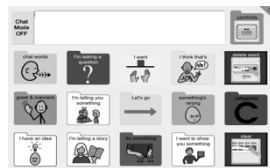
- Beginning communicators learning to express one to four key word sentences.
- Similar vocabulary organization to the one-page opening expanded function PODD books
 - Page layout similar to 12 expanded functions book
- Built-in scaffolds including pragmatic branch starters, predictable links, anecdote pages, tense clues

PODD

Strategies to support more intelligible communication at this stage of aided language development.

- Pragmatic branches to clarify communication intent of 1-3 key word sentences
- Predictive links
- Tense clues
- Yes/No question marker to compensate for the lack of intonation in AAC
- Information chunking (social participation, anecdotes and oral narrative)

PODD 15+: Preschool / School



- Beginning to combine words into 1-2 key word sentences and / or require receptive use of pictographs to support their understanding.
- Similar vocabulary organization to the one-page opening expanded function PODD books **plus**
 - additional core vocabulary, accessed via popups linked from every section available for partner's to produce more complete sentences.
- Built-in scaffolds including pragmatic branch starters, predictable links, anecdote pages, tense clues



**In comparison to the PODD 15,
the PODD 15+**

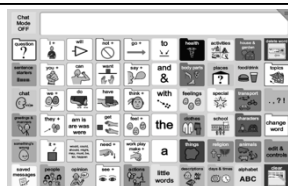
- *I THINK THAT'S* pragmatic branch starter instead of *I LIKE THIS* and *I DON'T LIKE THIS*
- Additional predictably associated vocabulary popups supports **partner modeling** of complete sentences
 - Child need to manage extra popup page changes
 - Extra selections to access some words
 - A different PODD page set would be selected for an individual to more efficiently produce expanded key word and complex sentences.

**PODD 60:
Expanded
Key word**



- Currently using key word sentences
- Learning to use symbols and whole words, word morphology spelling and word prediction to communicate for a full range of purposes.
- Similar language complexity and vocabulary organization to the two-page opening, 70 and 48 expanded key word PODD communication books.

**PODD 60:
Complex**



- Currently using whole words, symbols and word morphology to produce complex sentences to communicate for a full range of purposes.
 - A large vocabulary for people still learning to spell or to increase efficiency for individuals who can spell.
- Similar language complexity and vocabulary organization to the two-page opening, 90+ and 100+ complex syntax PODD communication books.



**PODD 60 Expanded key word?
PODD 60 Complex?**

- PODD 60 complex uses predictably associated verb morphology popups to increase efficiency
 - PODD 60 complex for established users of word morphology
 - PODD 60 expanded key word if still learning to use verb morphology
- PODD 60 Complex
 - Faster access to A and THE on the main page
 - Addition of the 'LL, "D and "VE forms on the personal pronoun popups
 - Increased use of written words, without symbols, for some vocabulary items and phrases.



**Predicting vocabulary usage patterns
to support more efficient
communication**

- Faster access to core vocabulary
 - Main page PODD 60s
 - Chat Popup PODD 15, 15+
 - Predictably associated vocabulary popups in all sections
- Page or popup section in PODD 60
 - Repeated core, predictably associated vocabulary popups on all pages
- Automatically close popup on selection?



**Predicting vocabulary usage patterns
to support more efficient
communication**

- Associated vocabulary popups and subcategories to reduce page turns
- Page layout
- In the PODD 60 complex, predictably associated verb morphology popups
- Adjacency to previous selection

PODD

Predicting vocabulary usage patterns to support more efficient communication

- Predictable links
- Sentence starters and phrases
- Strategies to store whole prepared messages
 - Tell stories / anecdotes
 - Current messages / questions
 - Tell jokes
 - Store written work
 - etc

PODD

Predicting vocabulary usage patterns to support more efficient communication

- Access to the main navigation indexes from all sections.
- Selection of vocabulary organisation strategies to suit pragmatic function and discourse conventions

PODD

School section

- Vocabulary to interact at/about school
- Participation and Learning in curriculum
 - Vocabulary
 - Efficiency
 - Access to frequent core and lower frequency, extended/content vocabulary
- Subject, topic, book displays can be included in page set
 - Extra pages do not add weight



Spelling with word prediction

- Alphabet array with word prediction in all page sets
 - NB: PODD 15 and 15+ have two options
 - Group -item (default)
 - QWERTY (need to change page links to this page)
- Learning to spell
- Spelling to communicate



CHAT mode



- Provides a temporary message window
 - Without losing the message in the main window
- Useful for
 - Preparing to sequence two messages in an interaction
 - Managing interruptions
 - Clarification, editing and other interactions with assistants / teachers



Controls / Edit pages



- Volume control
 - Yell
 - Talk
 - Whisper
- Read message - large message window
- More advanced editing functions on PODD 60 page sets



Blank Templates

- Blank templates for all the types of pages and popups used in that page set
- To locate these pages/popups
 - Settings
 - Page creator
 - Select the appropriate page set folder
 - Select the template you want to use to make the new page