WordPower:
Architecture and Guiding Principles

Nancy Inman, M.A.T., CCC-SLP
Inman Innovations

Lisa Timm, M.S., CCC-SLP
PRC-Saltillo

prc-saltillo

© 2021 PRC-Saltillo. All Rights Reserved.

1

Housekeeping

- *Having trouble hearing or connecting to this class?*
- FIRST
  - ✓log out and back into the training
  - ✓re-start your computer
- If that doesn't help, call LogMeIn: 1-888-259-8414
- Training materials found in handouts section of the toolbar
- Feedback survey will pop up as you leave the class
- Type your questions in the chat window and they will be addressed by the presenter at the end, as time allows.

© 2021 PRC-Saltillo. All Rights Reserved.

2

ASHA CEUs: If you use the ASHA CEU registry to track your CEUs

- You must stay online on a computer the entire time and actively participate
- Submit ASHA participation form within 15 days- **Please include training date on the form**
- Instructions and participation forms are in the handouts section of the Go To Training toolbar
- Make sure to put the **name of the class and the date in the subject line of your email** when submitting the CEU form to info@prc-saltillo.com

If you don't use the ASHA CEU registry to track your CEUs you can use the attached certificate as proof of attendance.

ASHA CE APPROVED PROVIDER | PRC-Saltillo Introductory Level 10 ASHA CEUs

© 2021 PRC-Saltillo. All Rights Reserved.

3

Presenter Disclosures

- Nancy Inman - owner of Inman Innovations, Inc. She receives royalties for WordPower software
- Lisa Timm - employee-owner at PRC-Saltillo

© 2021 PRC-Saltillo. All Rights Reserved.

4

Objectives

- Describe the guiding principles used to develop WordPower vocabulary
- List three architecture features found in WordPower.
- Identify color coding used to organize WordPower.

© 2021 PRC-Saltillo. All Rights Reserved.

5

WordPower found across the systems

- TouchChat App
- NovaChat device
- Accent with NuVoice

© 2021 PRC-Saltillo. All Rights Reserved.

6

WordPower for NovaChat & TouchChat

- 11 English
- 3 Español
- 2 French

- Images:
- SymbolStyx (default)
- PCS (additional fee)

NovaChat by Saltillo

TouchChat by Saltillo

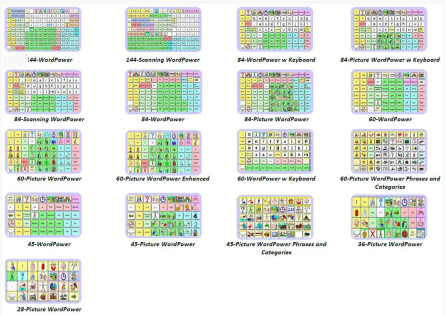
© 2021 PRC-Saltillo. All Rights Reserved.

7

WordPower for Accent- NuVoice

- 17 files

- Images: Minspeak



Accent

8

Architecture Overview

- Research Based
- Guiding Principles
- Key Elements
- Color Coding
- Basic File Characteristics
- Access: Scanning, Head Pointing

© 2021 PRC-Saltillo. All Rights Reserved.

9

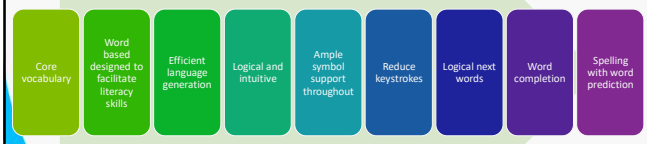
WordPower – Research Based

- 500 Most Frequently Occurring Words Produced by Five Adult Communication Augmentation System Users - Beukelman, Yorkston, Poblete, Naranjo, Journal of Speech and Hearing Disorders-49 (1984)
- Core Vocabulary Determination for Toddlers, Augmentative and Alternative Communication - Banajee, M., DiCarlo, C., & Buras-Stricklin, S. (2003)
- Preschoolers' Vocabulary Arranged Alphabetically- Marvin, C. A., Beukelman, D. R., & Bilyeu, D. (1994)

© 2021 PRC-Saltillo. All Rights Reserved.

10

Guiding Principles



© 2021 PRC-Saltillo. All Rights Reserved.

11

Key Elements of WordPower

Overview

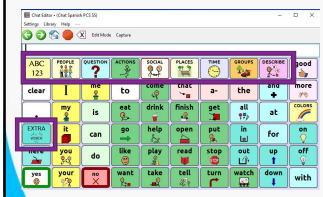
- Core vocabulary – words arranged by grammatical type with color coding
- Robust fringe vocabulary arranged by category
- Consistency in setup and design between all vocabulary options
- Logical next words and word completion
- Literacy supports – spelling, phonics, early books, writing
- Smart punctuation (. ? !)
- Core vocabulary available within category pages
  - NovaChat/TouchChat: WP42, 60 Basic, 48/60 Español Básico
  - Accent: WP 36, 60 Enhanced
- Automatic grammatical forms:
  - I am verbing
  - I want to verb
  - I like verbing
  - I have past participle verb
- Negative contractions in subject-verb sentences
  - I can + -'t
  - I would + -n't
  - I will + -(won't)
- Grammatical morphemes available in context:
  - -ed, -ing, -s, -er, -est, -ly
- NovaChat/TouchChat: Multi-lingual – English, Español, Français

prc-saltillo

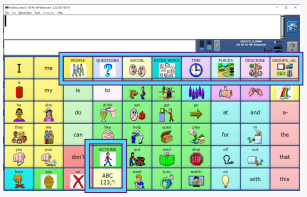
© 2021 PRC-Saltillo. All Rights Reserved.

12

Key Elements
Design and Setup



WordPower60 Basic SS (NovaChat/TouchChat)



60-Picture WordPower Enhanced (Accent/NuVoice)

© 2021 PRC-Saltillo. All Rights Reserved.

13

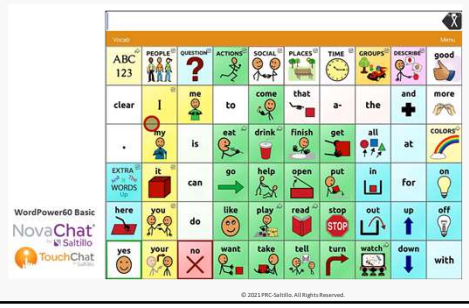
Key Elements
Logical next words

- go for a walk
- come back
- get ready/dressed
- take a bath/shower
- that one
- good job/idea/work
- my favorite
- turn around
- turn the page
- I don't know
- my turn, your turn
- to be
- all gone/all done
- more than
- in front/in back
- a lot/ a little
- your favorite
- I need_____

© 2021 PRC-Saltillo. All Rights Reserved.

14

Key Elements
Logical next words



Video Demo

© 2021 PRC-Saltillo. All Rights Reserved.

15

Key Elements

Word Completion-accurate grammar and morphology

- my -self
- your -self
- a -bout
- with -out
- up -stairs
- down-stairs
- in -side
- out -side

- help -ing
- help -s
- help -ed
- that -'s
- big -er (bigger)
- big -est (biggest)

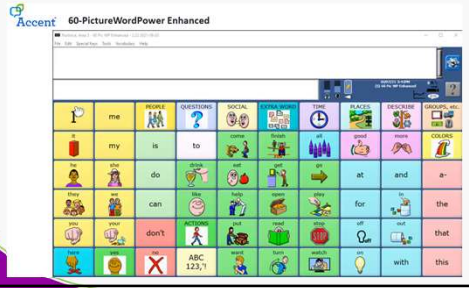
prc-saltillo

© 2021 PRC-Saltillo. All Rights Reserved.

16

Key Elements

Word Completion-accurate grammar and morphology



Video Demo

© 2021 PRC-Saltillo. All Rights Reserved.

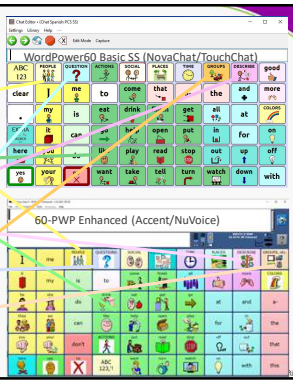
17

Color coding:

Fitzgerald Key

- Pronouns/PEOPLE
- Verbs/ACTION Words
- Adjectives/DESCRIBE
- QUESTIONS
- Nouns/GROUPS

WordPower Wednesday



Rights Reserved.

18

WordPower Basic/Picture WordPower Files

NovaChat/TouchChat

- *English*
  - WordPower42 Basic
  - WordPower60 Basic
- *Spanish*
  - WordPower48 Espanol Basico
  - WordPower60 Espanol Basico
- *Simple and Phrase*
  - WordPower20 Simply
  - WordPower25 Touch & Scan

Accent-NuVoice

- 60-Picture WordPower Enhanced
- 60-Picutre WordPower Phrases & Categories
- 45-Picture WordPower
- 45-Picture WordPower Phrases & Categories
- 36-Picture WordPower
- 28-Picture WordPower

prc-saltillo

© 2021 PRC-Saltillo. All Rights Reserved.

19

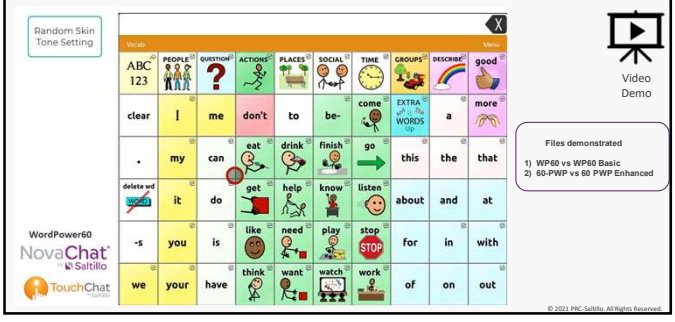
The Basic Files/Picture WordPower

1. **** Increased symbol support**
2. Yes/No on home and category pages (WP60 &WP60 Español Básico, 60PWP Enhanced)
3. Sentence starters
4. Symbols chosen for easy identification and transparency
5. **** Several high frequency core verbs link directly to category pages**
6. Early concepts with picture support
7. Daily routines
8. Lock Page function
9. Social pages for quick interaction and emotional regulation
10. Early books to support literacy and engagement
11. Low-tech boards

© 2021 PRC-Saltillo. All Rights Reserved.

20

How the Basic Files/Picture WordPower Enhanced navigate…



Video Demo

Files demonstrated

1) WP60 vs WP60 Basic
2) 60-PWP vs 60 PWP Enhanced

© 2021 PRC-Saltillo. All Rights Reserved.

21

WordPower Basic Files/Picture WordPower

Core vocabulary embedded within category pages to facilitate easy generation of language

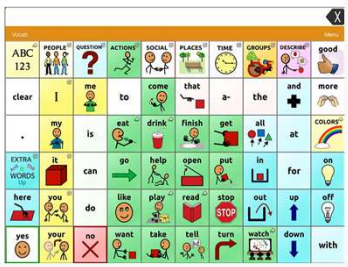
FOOD page

© 2021 PRC-Saltillo. All Rights Reserved.

22

WordPower Basic/Picture WordPower

Core embedded



WordPower60 Basic

NovaChat by Saltillo

TouchChat

Video Demo

prc-saltillo

© 2021 PRC-Saltillo. All Rights Reserved.

23

Literacy Supports

Early books

© 2021 PRC-Saltillo. All Rights Reserved.

24

WordPower60 Español Básico

Early Spanish books

© 2021 PRC-Saltillo. All Rights Reserved.

25

Access Files

prc-saltillo

© 2021 PRC-Saltillo. All Rights Reserved.

26

WordPower Access: Scanning

TouchChat

Scanning – iOS scanning for TouchChat

NovaChat by Saltillo

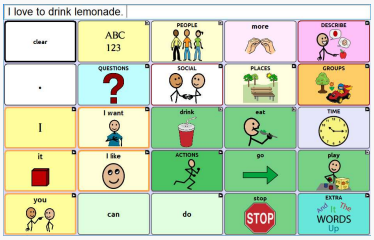
Scanning – robust custom scanning options for NovaChat

© 2021 PRC-Saltillo. All Rights Reserved.

27

WordPower25 Touch & Scan
Scanning

- iOS scanning for TouchChat app
- Custom scanning for NovaChat



© 2021 PRC-Saltillo. All Rights Reserved.

28

WordPower140
Scanning

- Sophisticated custom scanning on NovaChat

© 2021 PRC-Saltillo. All Rights Reserved.

29

Head Tracking for TouchChat app with iPad Pro

iOS facial recognition feature

- Enable Head Tracking within TouchChat
- Compatible with:

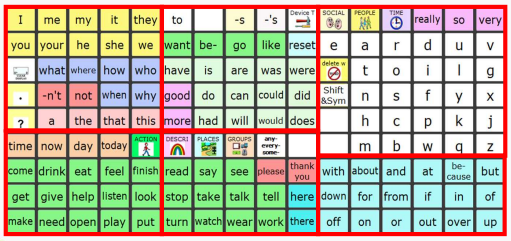
iPhone
- iPhone 12 Pro Max
- iPhone 12 Pro
- iPhone 12 mini
- iPhone 12
- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- iPhone XS Max
- iPhone XS
- iPhone XR
- iPhone X

iPad
- iPad Pro 12.9-inch (4th generation)
- iPad Pro 12.9-inch (3rd generation)
- iPad Pro 11-inch (2nd generation)
- iPad Pro 11-inch

© 2021 PRC-Saltillo. All Rights Reserved.

30

144 WordPower
Scanning



31

84 WordPower
Scanning

32

WordPower with Look/NuEye module:
Eye Tracking

33

WordPower with NuPoint:
Head Tracking

Accent

© 2021 PRC-Saltillo. All Rights Reserved.

34

28 &36 Picture WordPower Demo

36 Picture WordPower

28 Picture WordPower

Accent

© 2021 PRC-Saltillo. All Rights Reserved.

35

36 Picture WordPower
Practice Sentences

- I will eat peanut butter and crackers.
- I am feeling really great.
- That is lot of work.
- You are doing a good job.
- I finished my work.
- I want to play dolls with you.
- I want to (**FAVORITE THINGS**) …

Accent

© 2021 PRC-Saltillo. All Rights Reserved.

36

28 Picture WordPower

Practice Sentences

- I want my shoes. I want my shoes.
- I like to dance. I like to dance.
- Can I have a ball? Can I have a ball?
- I am feeling proud of you.
- I love dogs and turtles.
- I want the fire engine
- I want to (**FAVORITE THINGS**) …

Accent

© 2021 PRC-Saltillo. All Rights Reserved.

37

Questions?

Nancy Inman, M.A.T., CCC-SLP
Inman Innovations

Lisa Timm, M.S., CCC-SLP
PRC-Saltillo

© 2021 PRC-Saltillo. All Rights Reserved.

38

Thank You!

- Reminder:
- Submit ASHA forms within 15 days and include today's date and the name of the class in the subject line of your email to: info@prc-saltillo.com

prc-saltillo

© 2021 PRC-Saltillo. All Rights Reserved.

39