

# **Accountability...It's About Data: Alternative Assessment... It's About Accountability**

Poster Session at CEC 2002 Annual Convention  
Flo Taber-Brown, Ed.D., Curriculum Specialist  
Miami-Dade County Public Schools, FDLRS South

And

Mary Sweig Wilson, Ph.D., President  
Laureate Learning Systems, Inc.

Special educators face particular problems assessing the performance and potential of children with significant disabilities. Assistive technology has enabled these children to use programs that previously had been inaccessible. While children with severe disabilities can now use tutorial software programs (usually with the assistance of a paraprofessional), only the most rudimentary of response data is collected and reported. In contrast, the language intervention programs used in this presentation provide extensive data collection, analysis, and reporting capabilities as well as the option of exporting data into a spreadsheet which can then be interpreted for alternative assessment purposes. Documenting performance is easy using the *Sterling Administration System* Report Writer. You can choose from among the built-in reports, create a custom template/report, and/or export data to a spreadsheet for further analysis and graphing.

## **1. Built-in Report:**

- Choose a student
- Set the reporting dates
- Choose the report
- Click View Report
- Press Print Report

## **2. Multi-Student Custom Template/Report:**

- Write report
- Choose Custom Report Items
- Insert chosen items
- Press Multi-Student Report
- Choose students
- Print reports

## **3. Exporting Raw Data to a Spreadsheet:**

- Choose Spreadsheet Data
- Click View Report
- Click on Export button
- Name your file and save
- Follow the simple prompts to open in spreadsheet

## First Verbs Sterling Edition Sample Optimized Intervention™ Report

Student Name:	Billy Mead	Date of Report: 3/29/2002
Date of Birth:	12/05/97	Dates Covered: 3/25/02-3/29/02
School:	Deerfield Elementary	Program: <i>First Verbs SE</i>
Educator:	Mary Wilson	Activity: Optimized Intervention

### Program Settings

Animated Intro	Off
Cueing:	Blob
Background:	Scene
Text:	On
End of Session Activity:	Off
Session Duration Setting:	10 Minutes

### Interface Settings

Interface:	Direct Select
Device:	Mouse
Response Time:	5 Seconds
Response Target:	Picture

### Performance Summary

	<u>Session(s) Selected</u>	<u>Cumulative</u>
Session Date(s):	3/3/01-6/29/01	1/3/01-6/29/01
Number of Sessions:	45	80
Total Session Time:	4:04:13	7:45:03
Average Session Time:	0:05:22	0:05:50

#### Number of Verbs

Probe Tested:	15	24
Mastery Demonstrated in Probe Testing (MP):	3	5
Mastery Demonstrated in Training (MT):	4	8
Mastery Confirmed (MP-C & MT-C):	5	7
Problem Verbs (PV):	0	0
Number Correct / Probe Trials:	8/15 53%	14/24 58%
Number Correct / Training Trials:	187/247 76%	396/632 63%
Number Correct / Mastery Confirmation Trials:	<u>7/7 100%</u>	<u>14/16 88%</u>
Number Correct / Total Trials:	202/270 75%	424/672 63%
Average Time to Master a Verb:	0:1:02	1:45:02
Average Number of Responses to Master a Verb:	32	42

### Performance by Verb (selected sessions: 3/3/01-6/29/01)

Verb	Verb Level		Probe Test (PT)	Number Correct / Number of Trials & % Correct				
	Start	End		Training Level 1 (T1)	Training Level 2 (T2)	Training Level 3 (T3)	Training Level 4 (T4)	Training Level 5 (T5)
kiss	PT	MP	4/4	-	-	-	-	-
dance	PT	MP	4/4	-	-	-	-	-
rain	PT	MP	4/4	-	-	-	-	-
clean	T5	T5	-	-	-	8/9 87%	4/6 78%	1/2 50%
climb	T4	T5	-	-	-	8/9 84%	1/2 50%	1/1 100%
close	T4	T4	-	-	2/2 100%	6/8 75%	-	-
cook	T4	T4	-	-	-	3/4 75%	1/2 50%	-
cry	PT	T4	3/4	-	-	2/3 66%	1/3 33%	-
drink	PT	PT	2/2	-	-	-	-	-

### Performance by Verb (cumulative: 1/3/01-10/29/01)

Verb	Current Status	Date Probed	Training		Date Mastery Confirmed	Date Became Problem Verb	Number Correct / Total Trials & %	
			Entry Level	Date Mastered			Number Correct	%
kiss	MP-C	3/12/01	-	3/12/01	3/28/01	-	6/6	100%
hug	MP-C	3/12/01	-	3/14/01	3/28/01	-	6/6	100%
dance	MP-C	3/12/01	-	4/10/01	4/14/01	-	6/6	100%
break	MP-C	5/14/01	-	5/18/01	-	-	6/6	100%
give	MT-C	3/12/01	T3	4/10/01	4/14/01	-	27/31	87%
blow	MT-C	3/12/01	T3	5/18/01	5/22/01	-	30/36	83%
catch	MT-C	3/12/01	-	5/19/01	-	-	33/36	91%
bring	MT	3/12/01	T3	5/18/01	-	-	24/31	77%
close	T5	4/10/01	T3	-	-	-	12/17	70%
climb	T4	4/10/01	T3	-	-	-	8/14	57%
clean	T3	3/14/01	T3	-	-	-	12/17	70%
cook	T3	5/18/01	T3	-	-	-	3/7	42%
cry	T3	6/14/01	T3	-	-	-	4/8	50%
carry	PV	3/12/01	T3	-	-	3/14/01	25/33	75%
clap	PV	3/12/01	T3	-	-	3/16/01	5/18	27%

#### Key:

- T1 – Level 1: Instructional introduction (single picture, centered)
- T2 – Level 2: Single picture training (single picture, on left or right)
- T3 – Level 3: Basic two-picture training (two pictures, instruction, cueing, feedback)
- T4 – Level 4: Intermediate training (two pictures, instruction, feedback)
- T5 – Level 5: Advanced training (two pictures, feedback only)
- PT – Probe Test
- MP– Mastered during Probe Test (4/4 correct on PT)
- MT– Mastered during Training (4/4 correct on T5)
- C – Mastery Confirmed (2/2 correct)
- PV – Problem Verb

## Sample Optimized Intervention Data Items

In addition to Biographical and Program information that can be inserted into *Sterling Editions* Reports/Templates, you can also include performance data such as:

OI Header { OI\_Header }

Number of OI sessions: {OI\_sessions}

Total duration of OI sessions: {total\_OI\_session\_duration}

Average duration of OI sessions: {average\_OI\_session\_duration}

OI Sessions included in summary: {OI\_sessions\_included}

Date	Time	Duration	# Trials
------	------	----------	----------

Total OI trials completed: {OI\_trials\_completed}

Number of training trials completed: {OI\_training\_trials\_completed}

Number of verbs probe-tested: {num\_verbs\_probe\_tested}

List of verbs probe-tested: {list\_verbs\_probe\_tested}

Results of probe-testing: { probe\_test\_results }

Verb	Date Probed	Result	Current Status
------	-------------	--------	----------------

Number of verbs mastered in probe testing: {num\_verbs\_mastered\_probe}

List of verbs mastered in probe testing: {list\_verbs\_mastered\_probe}

Number of verbs that entered training: {num\_verbs\_entered\_training}

List of verbs that entered training: {list\_verbs\_entered\_training}

Number of verbs mastered: {num\_verbs\_mastered}

List of verbs mastered: {list\_verbs\_mastered}

Percent of verbs mastered: {percent\_verbs\_mastered}

Number of verbs mastered in training: {num\_verbs\_mastered\_training}

List of verbs mastered in training: {list\_verbs\_mastered\_training}

Number of verbs set aside as problem verbs: {num\_problem\_verbs}

List of verbs set aside as problem verbs: {list\_problem\_verbs}

Background x performance: {OI\_background\_by\_performance}

Background x response latency: {OI\_background\_by\_response\_latency}

Side of screen x performance: {OI\_side\_by\_performance}

Side of screen x response latency: {OI\_side\_by\_response\_latency}

Responses outside of response region: {OI\_responses\_outside\_region}

Number & percent of verbs identified correctly on 1st try: {OI\_num\_verbs\_1st\_try}

Number & percent of verbs identified incorrectly on 1st try: {OI\_num\_verbs\_wrong\_1st\_try}

Number & percent of verbs identified correctly on 2nd try: {OI\_num\_verbs\_2nd\_try}

Number & percent of verbs incorrect on both tries: {OI\_num\_verbs\_wrong\_both\_tries}

Number of trials on each Training Level: {OI\_num\_trials\_level}

Number of advances and retreats on each level: {OI\_advances\_retreats}

Verb History (cumulative): {OI\_verb\_history}

Performance by Training Level (selected sessions): {OI\_performance\_by\_level}

Performance by Verb by Level (selected sessions): {OI\_performance\_by\_verb\_by\_level}

Performance by Verb Picture (selected sessions): {OI\_performance\_by\_verb\_picture}

Performance by Verb Category (selected sessions): {OI\_performance\_by\_verb\_category}

Average Response latency by Training Level (selected sessions): {OI\_latency\_by\_level}

Time analysis of OI sessions: {OI\_session\_times}

Summary of Probe Test results: {probe\_test\_results}

Summary of Mastery Confirmation outcomes: {mastery\_confirmation\_results}

## Sample Custom Template for Multi-Student Reports

To: {parent}  
From: {educator\_name}  
{educator\_title}

{first\_name} has been using *First Verbs Sterling Edition* since {first\_date} . The following verbs have been mastered:

{list\_verbs\_mastered}

You should encourage the use of these verbs. Suggestions for activities you can use at home to stimulate use of these verbs are attached.

{first\_name} is currently working on the following verbs:

{list\_verbs\_current\_training}

You should not expect {first\_name} to use these verbs yet, but you should look for opportunities to demonstrate these verbs at home.

### Sample Custom Report

To: William & Mary Mead  
From: Mary Wilson  
Speech & Language Pathologist

Billy has been using *First Verbs Sterling Edition* since 3/26/02. The following verbs have been mastered:

Drink  
Eat  
Hug  
Kiss  
Walk

You should encourage the use of these verbs. Suggestions for activities you can use at home to stimulate use of these verbs are attached.

Billy is currently working on the following verbs:

Cry  
Dance  
Give  
Tickle  
Wash

You should not expect Billy to use these verbs yet, but you should look for opportunities to demonstrate these verbs at home.

## Exporting Data for Graphing and Analysis

Clinicians and researchers may wish to export student data into spreadsheets for graphing and statistical analysis. *Sterling Editions* software makes this easy.

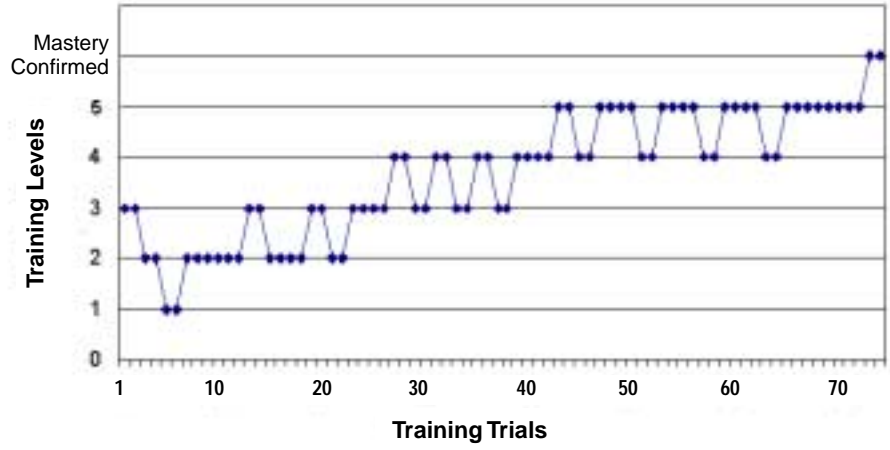
Create a report using the “Spreadsheet Data” report template (under “Available Reports”). This will generate a report that includes general header information, followed by the data from each session included in the data set. Each session will also include header information, followed by tab-delimited column headings and a row of tab-delimited data for each individual trial.

Data reported for each trial include:

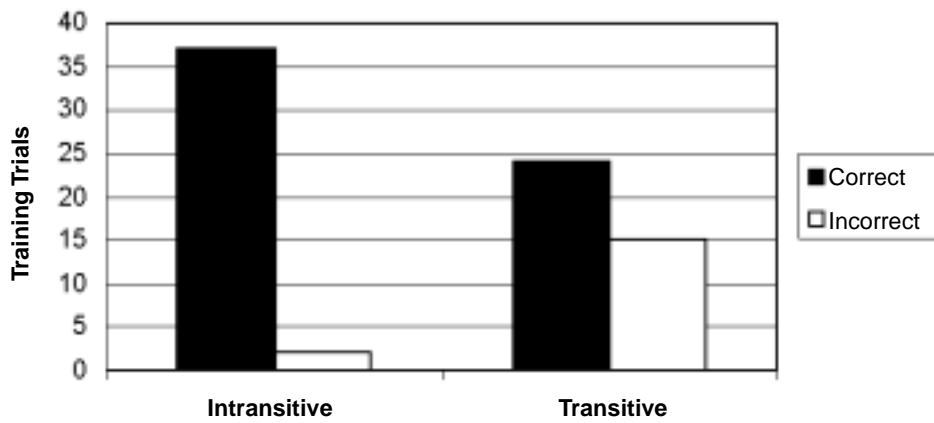
- Trial number
- Type of trial (e.g., OI-T#, TL3, probe test, test)
- Verb
- Verb category (I, T, D)
- Verb stimulus (which picture)
- Foil verb
- Foil verb stimulus (which picture)
- Side of screen (which side is correct)
- First try (results)
  - Responses outside of response region (if any)
  - Response latency (actual response, if any)
  - Side of screen of response
  - Outcome (correct/incorrect)
- Second try (results)
  - Responses outside of response region (if any)
  - Response latency (actual response, if any)
  - Side of screen of response
  - Outcome (correct/incorrect)
- Verb Level/Status at trial start
- Verb Level/Status at trial end

Export the report as a text file using the “Export” button (available only on the “Advanced” Report Writer screen). This file can then be edited to suit the particular interests of the researcher and opened in most professional spreadsheet programs.

### Training Trials to Mastery for "Eat"



### Performance X Argument Structure





© Copyright 2002  
Laureate Learning Systems, Inc.  
All rights reserved.