

Does Your Student Need an IEP in APE?

Dr. Kerri Tunncliffe C.A.P.E.

ktunncliffe@ric.edu

Jill Spohn C. APE

jspohn@MPSRI.NET

Introduction

- **Kerri Tunncliffe**

- Associate Professor of Physical Education
- Rhode Island College
- Coordinator of Adapted Physical Education

- **Jill Spohn**

- Adapted Physical Educator
- Middletown School District
- Middletown RI

Objectives

1. By the end of the session the majority of participants will be able to determine which assessment tool to use to establish if a child needs APE services.
2. By the end of the session the majority of participants will be able to properly score a formal adapted physical education assessment tool to determine if a student needs APE services.

Formal Evaluation

- Why does the formal evaluation need to be standardized?
- I.D.E.A. requires a valid, reliable, non-discriminatory measurement instrument to determine if a child qualifies for adapted physical education

Severe Disabilities Evaluation

- Step 1 Observe the child to determine if the child would be able to complete the skills in a standardized APE assessment tool.
- Step 2 Implement an assessment tool that fits the child's needs. The more severe assessment tools are check lists to determine what a child can do.

See Appendix A for APE
assessment Matrix

How do you know when a child needs services?

- Child scores -1.5 standard deviations below the norm
- Child scores two age levels below their peers

Once Services have been Determined

- It is always the goal to keep the child in his/her least restrictive environment
- Data from the formal assessment tool can be utilized to help make this decision

Appendix B How do you find chronological age?

Modified from the PDMS 2

Converted Dates

Date of Assessment: / /
Mo. Day Year

Year Month Day

- (minus)

Date of Birth: / /
Mo. Day Year

Year Month Day

Year Month Day*

Year: Years X 12 = + months

Month: enter months = + months

*(day: add 1 month only if
Day is 15 or more) = +
 months

CHRONOLOGICAL AGE = months

Chronological Age

Date of Assessment: 1 / 18 / 11

Date of Birth: 7 / 30 / 06

Mo. Day Year

Converted Scores

11	1	18
Yr	Mo.	Day

- (minus)

06	7	30
Yr	Mo.	Day



Converted Scores

11	1	18	49
Yr	Mo.	Day	
			- (minus)
06	7	30	
Yr	Mo.	Day	

Converted Scores

~~11~~

Yr

~~1~~ 12

Mo.

~~18~~ 49

Day

- (minus)

06

Yr

7

Mo.

30

Day

5

19

Converted Scores

~~11~~¹⁰

Yr

~~1~~¹²

Mo.

~~18~~⁴⁹

Day

- (minus)

06

Yr

7

Mo.

30

Day

4

5

19

FIGURING OUT CHRONOLOGICAL AGE:

Year: 4 Years X 12 + 48 months

Month: enter months = + months

*(day: add 1 month only if

Day is 15 or more) =

+ months

CHRONOLOGICAL AGE = months

FIGURING OUT CHRONOLOGICAL AGE:

Year: 4 Years X 12 + 48 months

Month: enter months = + 5 months

*(day: add 1 month only if

Day is 15 or more) =

+ months

CHRONOLOGICAL AGE = months

FIGURING OUT CHRONOLOGICAL AGE:

Year: 4 Years X 12 + 48 months

Month: enter months = + 5 months

*(day: add 1 month only if

Day is 15 or more) =

+ 1 months

CHRONOLOGICAL AGE = months

FIGURING OUT CHRONOLOGICAL AGE:

Modified from the PDMS 2

Year: 4 Years X 12 + 48 months

Month: enter months = + 5 months

*(day: add 1 month only if

Day is 15 or more) =

+ 1 months

CHRONOLOGICAL AGE = 54 months

Chronological Age (Appendix C)

PDMS-2

Profile/Summary
Form

Peabody Developmental Motor Scales

Second
Edition

Section I. Identifying Information

Child's Name _____

Female Male

Date Tested Year 11 ¹⁰ Month 1 ¹² Day 18 ⁴⁹

Examiner's Name _____

Date of Birth 06 7 30

Examiner's Title _____

Chronological Age 4 5 19

Prematurity Adjustment _____ _____

Corrected Age _____ _____

Age in Months _____ 54

Practice Scoring the Peabody 2

- Raw Scores
- Stationary 44
- Locomotion 125
- Object Manipulation 21

PLEASE SEE APPENDIX C FOR PEABODY RAW
SCORE PAGE

Raw Scores (Appendix B)

Section II. Record of Scores

PDMS-2	Raw Score	Age Equivalent	%ile	Standard Scores		
Reflexes	_____	_____	_____	_____	_____	_____
Stationary	<u>41</u>	_____	_____	_____	_____	_____
Locomotion	<u>155</u>	_____	_____	_____	_____	_____
Object Manipulation	<u>17</u>	_____	_____	_____	_____	_____
Grasping	_____	_____	_____	_____	_____	_____
Visual-Motor Integration	_____	_____	_____	_____	_____	_____
Sum of Standard Scores				<input type="text"/>	<input type="text"/>	<input type="text"/>
				GMQ	FMQ	TMQ
Quotients				<input type="text"/>	<input type="text"/>	<input type="text"/>
Percentiles				_____	_____	_____

Peabody 2

- **NOTE for the Peabody:**

Always look at the columns in the middle for the first score in the title of the table and to the left and right for the second score (i.e. table A = converting subtest raw scores to %tile and standard scores).

The raw scores are in the middle under the appropriate column label . The %tile score is to the left and standard score is to the right.

Review of Peabody scoring

- ▶ Look up (convert) subtest raw scores to %tiles and standard scores Appendix A

Table A Stationary Percentile & Standard Score

Table A.35
 Converting Subtest Raw Scores to Percentiles and Standard Scores
Age 54–59 Months

Percentile Rank	PDMS-2 Subtests					Standard Scores
	Stationary	Locomotion	Object Manipulation	Grasping	Visual-Motor	
<1	<32	<64	<10	<37	<63	1
<1	32–34	64–80	10–12	37–40	63–76	2
1	35–37	81–102	13–15	41–43	77–91	3
2	38–40	103–123	16–18	44	92–106	4
5	41–43	124–138	19–27	45	107–118	5
9	44–45	139–150	28–34	46	119–123	6
16	46–48	151–155	35–38	47	124–127	7
25	49–50	156–161	39–40	48	128–130	8

Percentiles & Standard Scores

Section II. Record of Scores

PDMS-2	Raw Score	Age Equivalent	Percentile	Standard Scores		
Reflexes	_____	_____	5	5	_____	_____
Stationary	41	_____	16	7	_____	_____
Locomotion	155	_____	2	4	_____	_____
Object Manipulation	17	_____	_____	_____	_____	_____
Grasping	_____	_____	_____	_____	_____	_____
Visual-Motor Integration	_____	_____	_____	_____	_____	_____
Sum of Standard Scores				16	<input type="text"/>	<input type="text"/>
				GMQ	FMQ	TMQ
Quotients				<input type="text"/>	<input type="text"/>	<input type="text"/>
Percentiles				_____	_____	_____

Review of Peabody scoring

- Take sum of standard scores (stationary, locomotion, and object manipulation) from Appendix A and look up gross motor % rank and quotient Appendix B

Table B Percentile Rank & Quotient

Table B.1 Continued.

Percentile Rank	Total Motor (5 Subtests)	Gross Motor (3 Subtests)	Fine Motor (2 Subtests)	Quotient
30	44	—	—	92
27	—	26	17	91
25	43	—	—	90
23	42	25	—	89
21	41	—	16	88
19	—	24	—	87
18	40	—	—	86
16	39	23	15	85
13	38	22	—	83
12	37	—	14	82
10	36	21	—	81
8	35	20	13	79
7	34	—	—	78
6	33	—	—	77
5	—	19	12	76
5	32	—	—	75
4	31	18	—	74
3	30	—	11	73
3	—	17	—	72
3	29	—	—	71
2	28	16	10	70
1	27	15	—	68

Percentiles & Standard Scores

Section II. Record of Scores

PDMS-2	Raw Score	Age Equivalent	%ile	Standard Scores		
Reflexes	_____	_____	_____	_____	_____	_____
Stationary	<u>41</u>	_____	<u>5</u>	<u>5</u>	_____	_____
Locomotion	<u>155</u>	_____	<u>16</u>	<u>7</u>	_____	_____
Object Manipulation	<u>17</u>	_____	<u>2</u>	<u>4</u>	_____	_____
Grasping	_____	_____	_____	_____	_____	_____
Visual-Motor Integration	_____	_____	_____	_____	_____	_____
Sum of Standard Scores				<input type="text" value="16"/>	<input type="text"/>	<input type="text"/>
				GMQ	FMQ	TMQ
Quotients				<input type="text" value="70"/>	<input type="text"/>	<input type="text"/>
Percentiles				<input type="text" value="2"/>	_____	_____

Review of Peabody scoring

- ▶ Convert raw scores to age equivalents
Appendix C to determine if a student is functioning at an age appropriate level

Table C.1 Continued.

Age Equivalent in Months	PDMS-2 Subtests						Age Equivalent in Months
	Re	St	Lo	Ob	Gr	Vi	
37	—	43	139-141	31	45	114-115	37
38	—	44	142-143	32	—	116	38
39	—	—	144	33	—	117-118	39
40	—	45	145-146	34	46	119-120	40
41	—	46	147	35	—	121-122	41
42	—	—	148	—	—	123	42
43	—	47	149	36	47	124	43
44	—	—	150	37	—	125	44
45	—	—	151-152	—	—	—	45
46	—	48	153-154	38	48	126	46
47	—	—	155	39	—	127	47
48	—	49	156-157	40	—	128	48

Percentiles & Standard Scores

Section II. Record of Scores

PDMS-2	Raw Score	Age Equivalent	%ile	Standard Scores		
Reflexes	---	---	---	---	---	---
Stationary	41	33	5	5	---	---
Locomotion	155	47	16	7	---	---
Object Manipulation	17	22	2	4	---	---
Grasping	---	---	---	---	---	---
Visual-Motor Integration	---	---	---	---	---	---
Sum of Standard Scores				16	<input type="text"/>	<input type="text"/>
				GMQ	FMQ	TMQ
Quotients				70	<input type="text"/>	<input type="text"/>
Percentiles				2	---	---

Review of Peabody scoring

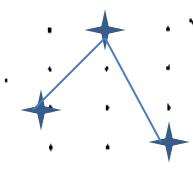
- ▶ Converting standard scores and %tiles to Z scores Appendix D to determine how many standard deviations the student is away from the mean (-1.5 or lower means the child qualifies for services).

Table D.1 Continued.

Percentile	z-Score	PDMS-2 Quotient	PDMS-2 Subtest
45	-0.13	98	
42	-0.20	97	
39	-0.27	96	
37	-0.33	95	9
35	-0.40	94	
32	-0.47	93	
30	-0.53	92	
27	-0.60	91	
25	-0.67	90	8
23	-0.73	89	
21	-0.80	88	
19	-0.87	87	
18	-0.93	86	
16	-1.00	85	7
14	-1.07	84	
13	-1.13	83	
12	-1.20	82	
10	-1.27	81	
9	-1.33	80	6
8	-1.40	79	
7	-1.47	78	
6	-1.53	77	
5	-1.60	76	
5	-1.67	75	5
4	-1.73	74	
3	-1.80	73	
3	-1.87	72	
3	-1.93	71	
2	-2.00	70	4

Section III. Profile of Scores

Standard Scores	Reflexes	Stationary	Locomotion	Object Manipulation	Grasping	Visual-Motor Integration	Standard Scores	Quotients	Gross Motor	Fine Motor	Total Motor	Quotients
20	20	150	.	.	.	150
19	19	145	.	.	.	145
18	18	140	.	.	.	140
17	17	135	.	.	.	135
16	16	130	.	.	.	130
15	15	125	.	.	.	125
14	14	120	.	.	.	120
13	13	115	.	.	.	115
12	12	110	.	.	.	110
11	11	105	.	.	.	105
10	10	100	.	.	.	100
9	9	95	.	.	.	95
8	8	90	.	.	.	90
7	7	85	.	.	.	85
6	6	80	.	.	.	80
5	5	75	.	.	.	75
4	4	70	.	.	.	70
3	3	65	.	.	.	65
2	2	60	.	.	.	60
1	1	55	.	.	.	55



Z score = - 2.00

PDMS-2

Profile/Summary Form

Peabody Developmental Motor Scales

Second Edition

Section I. Identifying Information

Child's Name _____ Female Male

	Year	Month	Day	Examiner's Name	_____
Date Tested	_____	_____	_____	Examiner's Title	_____
Date of Birth	_____	_____	_____		
Chronological Age	_____	_____	_____		
Prematurity Adjustment	_____	_____	_____		
Corrected Age	_____	_____	_____		
Age in Months	_____	_____	_____		

Section II. Record of Scores

PDMS-2	Raw Score	Age Equivalent	%ile	Standard Scores
Reflexes	_____	_____	_____	_____
Stationary	_____	_____	_____	_____
Locomotion	_____	_____	_____	_____
Object Manipulation	_____	_____	_____	_____
Grasping	_____	_____	_____	_____
Visual-Motor Integration	_____	_____	_____	_____
Sum of Standard Scores				<input type="text"/>
				GMQ <input type="text"/>
				FMQ <input type="text"/>
				TMQ <input type="text"/>
Quotients				<input type="text"/>
Percentiles				_____

Section III. Profile of Scores

Standard Scores	Reflexes	Stationary	Locomotion	Object Manipulation	Grasping	Visual-Motor Integration	Standard Scores	Quotients	Gross Motor	Fine Motor	Total Motor	Quotients
20							20	150				150
19							19	145				145
18							18	140				140
17							17	135				135
16							16	130				130
15							15	125				125
14							14	120				120
13							13	115				115
12							12	110				110
11							11	105				105
10							10	100				100
9							9	95				95
8							8	90				90
7							7	85				85
6							6	80				80
5							5	75				75
4							4	70				70
3							3	65				65
2							2	60				60
1							1	55				55

Scoring Criteria (Appendix D)

2 = The child performs the item according to the criteria specified for mastery

1=The child's performance shows clear resemblance to the item mastery criteria but does not fully meet the criteria

0=The child cannot or will not attempt the item, or attempt does not show that the skill is emerging.

If you omit a score it is scored a 0

Appendix E

- **FUNCTIONAL MOTOR ASSESSMENT**

References

- Sherrill, C. (2004). *Adapted Physical Activity, Recreation and Sport – Cross Disciplinary and Lifespan*. (6th Ed.) New York: McGraw Hill. (ISBN: 0-697-2951303)
- Folio, R. M., Fewell, R. R. (2000). *Peabody Developmental Motor Scales* (2nd ed.). Austin, Texas: Pro.Ed International Publisher.