

## Dash Motor Scale

Item No.	Item description	50%	3%	97%	Cluster Content
1.	Lifts head off when at shoulder	.1	.1*	1.4	I
2.	Prone – Lateral head movements	.1	.1*	1.4	I
3.	Prone – Crawling movements	.3	.1*	1.4	III
4.	Postural adjustment at shoulder	.6	.1*	1.4	II
5.	Arms thrust in play	.7	.1*	1.4	II
6.	Turns from side to back	.7	.1*	1.4	II
7.	Head erect and vertical	.8	.1*	1.4	I
8.	Sits with support	.8	.1*	2.3	II
9.	Legs thrust in play	.9	.1*	1.4	II
10.	Retains Red-ring	.9	.1-	1.5	V
11.	Dorsal suspension – lifts head	.9	.5*	2.5	I

12.	Prone – Elevates self by arms	1.1	.7*	2.9	II
13.	Head erect and steady – 30 seconds (approx.)	1.4	.8	2.3	I
14.	Holds head steady	1.5	1.1	3.3	I
15.	Sits with slight support	1.6	.9	3.3	II
16.	Hands predominantly open	2.0	.1	3.9	V
17.	Cube-hold- Ulnar Palmer	2.2	1.1	3.3	V
18.	Turns from back to side	2.6	1.1	4.7	II
19.	Head balanced	2.8	1.2	5.3	I
20.	Pulls to sitting position	3.3	1.8	5.9	II
21.	Cube hold - Partial thumb opposition – (radial palmer)	3.4	1.8	5.9	V
22.	Effort to sit	3.5	1.8	5.5	II
23.	Sits alone momentarily	3.5	1.8	5.5	II

24.	Rotates wrist	4.1	2.8	5.9	V
25.	Unilateral reaching	4.2	2.8	7.4	V
26.	Rolls from back to stomach	4.6	2.8	7.1	II
27.	Sits alone – 30 sec or more	4.9	3.9	7.1	II
28.	Attempts to secure pellet	4.9	3.9	7.4	V
29.	Pulls to standing position	5.2	3.9	7.1	II
30.	Sits alone – steady	5.6	4.1	6.4	II
31.	Sits alone - Good coordination	5.7	4.3	7.5	II
32.	Cube hold- complete thumb opposition (radial digital)	5.7	4.0	7.5	V

Item No.	Item description	50%	3%	97%	Cluster Content
33.	Early stepping movements	5.7	4.8	7.4	III
34.	Pre walking progression	5.7	4.8	7.4	III

35.	Scoops pellet	6.4	4.9	7.6	V
36.	Partial finger prehension pellet	6.6	5.3	9.2	V
37.	Raises self to sitting position	6.9	5.9	9.2	II
38.	Stepping movements	7.5	6.0	9.3	III
39.	Stands up by furniture	7.9	6.4	9.9	II
40.	Fine prehension - pellet	8.3	6.9	10.0	V
41.	Combines cubes or spoons Midline	8.5	6.1	9.9	V
42.	Walks with help	8.5	6.9	10.0	III
43.	Pat- a- cake, midline skill	8.7	6.4	10.1	V
44.	Sits down	9.3	7.0	12.2	II
45.	Stands alone for a few moments	10.1	7.1	12.2	II
46.	Stands up from supine position through rolling on stomach and on fours	11.1	7.1	12.2	II

47.	Throws a ball – directed	11.6	9.8	15.2	V
48.	Walks alone a few steps	12.0	7.9	14.4	III
49.	Walks sideways	13.3	11.0	15.2	III
50.	Walks backwards	13.5	11.2	16.1	III
51.	Stands on right foot with help	13.9	11.2	17.3	IV
52.	Stands on left foot with help	13.9	11.2	17.4	IV
53.	Climbs up steps with help	14.8	13.1	21.4	III
54.	Walks down steps with help	16.6	13.2	21.3	III
55.	Tries to stand on walking board	19.2	16.0	24.1	IV
56.	From supine to erect through sideways turn	19.2	16.3	23.5	II
57.	Climbs down alone – one step at a time	22.1	17.1	27.3	IV
58.	Walks on line – 10 feet general direction	22.2	20.8	28.4	IV

59.	Climbs up – alone step by step	22.9	19.2	29.4	IV
60.	Walks on the board with one foot on	23.5	20.8	28.3	IV
61.	Stands on left foot alone	24.7	21.9	28.3	IV
62.	Stands on right foot alone	24.7	21.9	28.3	IV
63.	Jumps off floor – both feet together	25.7	22.0	29.4	IV
64.	Stands on walking board with both feet on	26.1	21.0	30.6	IV
65.	Walks on tip toe 4-5 steps	27.4	22.0	30.6+	IV
66.	Jumps off from chair- both feet together -ht.10"	27.7	22.2	30.6+	IV
67.	Supine to erect – without turning	27.7	25.9	30.6+	II

## Dash Mental Scale

Item No.	Item description	50%	3%	97%	Cluster Content
1.	Responds to sound of bell	.1	.1*	1.4	II
2.	Momentary regard of red ring	.1	.1*	1.4	I
3.	Quiets when picked -up	.1	.1*	1.4	V
4.	Responds to sound of rattle	.1	.1*	1.4	II
5.	Responds to voice	.1	.1*	1.4	II
6.	Responds to sound of light – switch	.1	.1*	1.4	II
7.	Regards a person momentarily – count 3	.2	.1-	1.4	I
8.	Horizontal eye co ordination - red ring	.6	.1*	1.4	I
9.	Circular eye co ordination - red ring	.6	.1*	2.5	I
10.	Follows moving person	.7	.1*	1.4	I

11.	Horizontal eye co ordination red light (Torch)	.7	.1	1.5	I
12.	Vertical eye co ordination red light (Torch)	.7	.1	2.4	I
13.	Vertical eye co ordination red ring	.7	.1	2.5	I
14.	Prolonged regard of red ring (Count 30)	.8	.1-	1.4	I
15.	Vocalizes once – twice	.8	.1-	1.5	VI
16.	Free inspection of surroundings	.8	.1*	1.4	I
17.	Circular eye co ordination red light (Torch)	1.0	.1	2.5	I
18.	Turns eyes to red ring	1.4	.6	2.6	I
19.	Vocalizes more than three times	1.5	.2	2.6	VI
20.	Social smile – Tester (T) nods, talks – child smiles	1.6	.2	2.6	VI
21.	Anticipatory excitement to being lifted	1.6	.5	2.6	V
22.	Reacts to paper on face	1.6	.1	2.6	I



23.	Searches with eyes for sound	1.6	.2	2.6	II
24.	Social smile - 'T' smiles child quiets	1.6	.5	2.6	V
25.	Turns eyes to light	1.6	.6	2.6	I
26.	Visually recognizes mother	1.6	1.0	3.1	IV
27.	Vocalizes to 'T's social smile and talk	1.7	.7	2.6	V
28.	Anticipatory adjustment to being lifted	1.8	1.1	3.2	V
29.	Vocalizes two syllables	2.0	.9	3.3	VI
30.	Reacts to disappearance of face	2.0	1.0	3.2	IV
31.	Blinks at shadow of hand	2.3	.6	3.3	I
32.	Eyes follow pencil (yellow)	2.3	.9	3.3	I

Item No.	Item description	50%	3%	97%	Cluster Content
33.	Regards cube (red)	2.5	1.2	3.9	I

34.	Glances from one object to another	2.5	1.2	3.9	III
35.	Manipulates red-ring	2.7	1.2	4.3	III
36.	Reaches for dangling ring	2.7	1.4	4.3	III
37.	Simple play with rattle	2.7	1.1	4.2	III
38.	Follows vanishing spoon	2.7	1.4	4.3	I
39.	Aware of strange situation	2.7	1.4	4.3	IV
40.	Eyes follow ball across table	2.7	1.4	4.3	I
41.	Fingers hands in play	2.8	1.4	4.3	III
42.	Manipulates table edge slightly	2.8	1.7	4.3	III
43.	Carries red ring to mouth	2.9	1.7	4.3	III
44.	Follows vanishing red ring - dangling	2.9	1.4	4.3	I
45.	Turns head to sound of bell	3.2	1.8	4.7	II

46.	Turns head to sound of rattle	3.2	1.6	4.7	II
47.	Inspects own hands	3.3	1.8	5.0	I
48.	Mirror image – approach	3.3	1.8	5.5	V
49.	Active table edge manipulation	3.3	1.8	5.5	III
50.	Closes on dangling red ring	3.6	1.8	5.5	III
51.	Reaches for cube	3.6	1.8	5.5	III
52.	Likes frolic play	3.9	2.8	5.8	V
53.	Explorative paper play	4.0	2.8	5.5	III
54.	Regards pellet	4.0	2.8	5.5	I
55.	Retains two cubes	4.0	2.8	5.8	III
56.	Eye co- operation in reaching	4.1	2.6	5.6	III
57.	Vocalizes attitudes	4.2	2.6	6.2	VI

58.	Discriminates strangers	4.3	2.8	6.4	V
59.	Picks up cube	4.4	2.8	6.4	III
60.	Sustained inspection of red ring	4.4	2.9	6.4	I
61.	Turns head after fallen spoon	4.6	2.9	6.5	IV
62.	Recovers rattle fallen from hand	4.7	3.1	6.5	IV
63.	Lifts cup	4.7	3.5	6.5	III
64.	Reaches persistently	4.8	3.1	6.5	III
65.	Smiles at mirror image	4.8	3.8	6.5	V
66.	Reaches for second cube	5.1	3.8	6.3	III
67.	Explorative string play	5.1	3.9	6.5	III
68.	Bangs in play	5.3	3.9	6.6	III

Item No.	Item description	50%	3%	97%	Cluster Content
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69.	Interest in sound production	5.4	3.9	6.6	III
70.	Transfers object hand to hand	5.4	3.9	7.4	III
71.	Picks up cube deftly and directly	5.6	4.0	7.4	III
72.	Lifts cup by handle	5.6	4.0	7.4	III
73.	Pulls string and secures red ring	5.6	4.2	7.4	III
74.	Looks for fallen spoon	5.7	4.7	7.4	IV
75.	Retains two of three cubes offered	5.7	4.7	8.0	III
76.	Playful response to mirror	5.7	4.7	8.0	V
77.	Attempts to secure three cubes	5.9	4.8	9.3	III
78.	Co- operates in games	6.1	4.8	8.0	V
79.	Manipulates bell interest in details	6.2	4.8	7.5	III
80.	Pulls string adaptively & secure red ring	6.4	4.8	8.0	VIII

81.	Listens selectively to familiar words	6.4	5.0	9.0	VII
82.	Vocalizes four different syllables	6.4	4.9	8.5	VI
83.	Uncovers toy	6.5	4.8	9.1	IV
84.	Attends to scribbling	6.7	5.0	8.5	I
85.	Rings bell purposefully	7.4	6.0	9.3	IX
86.	Says 'da-da' or equivalent	8.1	6.4	9.8	VI
87.	Picks up cup and secures TOY	8.1	6.8	9.4	IV
88.	Adjusts to words	8.2	6.1	9.4	VII
89.	Fingers holes in peg board	8.7	6.4	11.1	III
90.	Looks at pictures in book	8.8	7.0	10.1	III
91.	Looks for contents of box	8.9	7.0	11.1	IV
92.	Inhibits on command	9.4	7.0	11.1	VII

93.	Puts cube in cup on command	9.7	7.3	11.3	VII
94.	Uses expressive JARGON	9.9	7.0	11.2	VI
95.	Repeats performance laughed at	10.0	7.3	12.2	V
96.	Holds color – stick adaptively	10.0	7.3	11.3	IX
97.	Unwraps cube	10.2	7.3	11.3	IV
98.	Turns pages of book	10.4	8.3	11.3	III
99.	Stirs spoon in cup in imitation	10.6	9.2	12.2	V
100.	Attempts to imitate scribble	10.7	9.2	12.4	V
101.	Dangles red ring by string	10.7	8.2	12.4	V
102.	3 or more cubes in cup	10.8	9.5	13.1	VII
103.	Imitates words	10.9	9.8	14.3	V
104.	Pushes car along	11.4	9.8	14.4	IX

<b>Item No.</b>	<b>Item description</b>	<b>50%</b>	<b>3%</b>	<b>97%</b>	<b>Cluster Content</b>
105.	Uncovers square box	11.4	9.8	14.4	III
106.	Puts square beads in square box through lid-hole (6 out of 8)	11.4	9.8	14.3	VII
107.	Pats whistle doll in imitation	11.6	9.9	15.4	V
108.	Places one peg repeatedly	11.8	10.0	15.4	III
109.	Removes pellet from bottle	12.4	9.9	15.5	V
110.	Spontaneous scribble	13.2	10.0	15.2	IV
111.	Uses gestures to make wants known	13.2	11.0	15.5	VI
112.	Builds tower of two cubes	13.2	11.2	16.1	III
113.	Closes round box	13.5	10.9	16.5	III
114.	Says TWO words	14.3	11.2	17.1	VI
115.	Shows shoes, or some other clothing of own toy	14.3	11.2	16.4	VII



116.	Adjusts one round block in Board for two shapes repeated (BTSR)	14.3	11.2	17.4	VIII
117.	Adjusts one round block in Board with 3 shapes in a line (BSOL)	14.7	13.2	16.4	VIII
118.	Attains toy with stick	14.7	13.1	18.4	VIII
119.	Builds tower of three cubes	15.1	13.4	18.4	III
120.	Imitates stroke	15.7	14.1	20.4	V
121.	Pegs placed in 70 seconds	16.3	14.2	19.6	X
122.	Adjusts round block in Board with 3 shapes in two lines (BSTL)	16.3	14.1	20.3	VIII
123.	Pegs placed in 42 seconds	16.7	14.9	20.1	X
124.	Follows directions – Doll	16.9	15.0	22.2	VII
125.	Adjusts two round blocks in Board for 2 shapes repeated (BTSR)	17.3	14.1	20.3	VIII
126.	Uses words to make wants known	17.5	14.2	22.4	VI

127.	Points to body parts of doll	17.6	16.0	21.1	VIII
128.	Adjusts 2 round and 2 squares in BTSR	18.3	16.1	23.2	VIII
129.	Selects cup hiding the toy	19.0	18.0	23.5	IV
130.	Differentiates a scribble and a stroke	19.5	18.0	22.5	IX
131.	Names ONE object	19.8	17.0	23.5	VII
132.	Completes BSTL	19.8	18.3	23.5	VIII
133.	Adjusts six blocks in BTSR	19.9	17.6	23.5	VIII
134.	Discrimination between cup and plate out of 3 objects	20.0	18.9	24.0	IX

Item No.	Item description	50%	3%	97%	Cluster Content
135.	POINTS to three pictures	20.2	18.9	24.1	VII
136.	Pegs placed in 30 seconds	20.3	18.9	24.4	X
137.	Names one picture	21.5	18.9	24.3	VII

138.	Mends broken doll-marginally	21.5	18.9	24.4	VIII
139.	Discriminates cup, plate and box	21.8	18.9	24.3	IX
140.	Speaks sentence of two words	22.1	19.6	26.4	VI
141.	Names three pictures	22.3	21.2	27.1	VII
142.	Builds tower of five cubes	22.3	18.9	27.4	III
143.	Names two objects	22.5	19.2	25.4	VII
144.	Completes BTSR in 150 seconds	22.0	19.2	25.4	X
145.	Names watch at 4th picture card	23.0	19.2	26.5	VIII
146.	Understands two prepositions	23.1	19.0	25.5	VIII
147.	Points to five pictures	23.3	19.0	26.5	VII
148.	Names five objects	23.5	19.4	27.4	VII
149.	Train of cubes after model	23.5	20.1	26.1	V

150.	Completes BSTL in reversed position	24.0	19.2	27.4	VIII
151.	Folds paper (demonstration given)	24.0	19.4	29.3	V
152.	Imitates stroke-vertical and horizontal	24.1	19.9	29.3	IX
153.	Name watch at second picture	24.2	19.4	29.3	VIII
154.	Completes BTSR in 90 seconds	24.4	20.9	27.1	X
155.	Completes BTSR in 60 seconds	24.9	21.0	29.3	X
156.	Mends broken doll approximately	25.4	22.0	27.0	VIII
157.	Points to seven pictures	25.8	20.9	30.7	VII
158.	Concept of '1'	25.8	21.0	29.3	VII
159.	Pegs placed in 22 seconds	26.0	21.2	28.5	X
160.	Understands 3 prepositions	26.5	23.1	30.4	VIII
161.	Names five pictures	26.6	23.0	30.5	VII

162.	Builds tower of eight cubes	27.2	21.0	30.7+	III
163.	Mends broken doll – Exactly	28.3	23.9	30.7+	VIII

## DASII Content Clusters (Motor & Mental)

Category	Cluster Number	Cluster Name	Item Numbers	Count (n)
Motor	I	Neck control	1, 2, 7, 11, 13, 14, 19	7
Motor	II	Body Control	4, 5, 6, 8, 9, 12, 15, 18, 20, 22, 23, 26, 27, 29, 30, 31, 37, 39, 44, 45, 46, 56, 67	23
Motor	III	Locomotion I: Coordinated movements	3, 33, 34, 38, 42, 48, 49, 50, 53, 54	10
Motor	IV	Locomotion II: Skills	51, 52, 55, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66	13
Motor	V	Manipulation	10, 16, 17, 21, 24, 25, 28, 32, 35, 36, 40, 41, 43, 47	14
Mental	I	Cognizance – Visual	2, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 22, 25, 31, 32, 33, 38, 40, 44, 47, 54, 60, 84, 90	25

<b>Mental</b>	II	Cognizance – Auditory	1, 4, 5, 6, 23, 45, 46	7
<b>Mental</b>	III	Reaching, manipulation, and exploring	34, 35, 36, 37, 41, 42, 43, 49, 50, 51, 53, 55, 56, 59, 63, 64, 66, 67, 68, 69, 70, 71, 72, 73, 75, 77, 79, 89, 98, 105, 108, 112, 113, 119, 142, 162	36
<b>Mental</b>	IV	Memory	26, 30, 39, 61, 62, 74, 83, 87, 91, 97, 129	11
<b>Mental</b>	V	Social interaction and imitative behavior	3, 20, 21, 24, 27, 28, 48, 52, 58, 65, 76, 78, 95, 99, 100, 101, 103, 107, 109, 120, 149, 151	22
<b>Mental</b>	VI	Language – Vocalization, speech, and comm.	15, 19, 29, 57, 82, 86, 94, 111, 114, 126, 140	11
<b>Mental</b>	VII	Language – Vocabulary and comprehension	81, 88, 92, 93, 102, 106, 115, 124, 131, 135, 137, 141, 143, 147, 148, 157, 158, 161	18

<b>Mental</b>	VIII	Understanding relationship	80, 116, 117, 118, 122, 125, 127, 128, 132, 133, 138, 145, 146, 150, 153, 156, 160, 163	18
<b>Mental</b>	IX	Differentiation by use, shapes, and movements	85, 96, 104, 110, 130, 134, 139, 152	8
<b>Mental</b>	X	Manual dexterity	121, 123, 136, 144, 154, 155, 159	7