

APPENDICES

APPENDIX 1

Age (years)	Fine Mot	tor Skills	Hand-ey	e Skills	Gross M	otor Skills
4	7.	holds the pencil between fingers (no longer holding the pencil in fist, but with the help of fingers) drawing becomes		ball throwing: with an overhead throw ball handling: catches bounced ball	16.	static balance: standing on one food for approx. 6 seconds (between 4 8 seconds) and for 2 seconds on tiptoes - reducing the suppor
		recognizable, drawing a person with three body parts or two-to-four-part				surface makes it difficult to maintain balance
		person (head, torso, limbs) - the proportions are not yet exact, the Picture is mostly one- dimensional, a line indicates the limbs		dominance is largely ed, handedness s clear	17.	dynamic balance: jumping, running, climbing stairs - gladly solves more difficult tasks that require skill
		and torso sometimes, but it is already recognizable - the head is better first, then the body			18.	hops on one foot (approx. 2-3 times), climbs up and down climbing frames, slides
	9.	likes to color			19.	jumping forward approx. 30-60 cm,
		copies cross, square				jumping from a height of 70-80 cm, jumping forward with
	12.	dresses no buttons				a pair of feet continuously, long; gallops
	13.	ties single knot			20.	jumping forward on one leg 3-5 jumps o 1 meter long
					21.	walking: walks in a line with legs in fron of each other, can carry a glass full of water without spilling



		walking backward in line
	23.	running: can turn sharply, can stop suddenly
	24.	walking down the stairs with alternate legs without holding on - can even walk on longer stairs at 8-10 steps with alternate legs; the steepness and unusual height of the stairs still disturbing, in which case they can still come down with a back step
5 25. tripod pencil grasp 32. ball throwing with trunk	35.	static balance: standing on one foot
26. dresses and rotation: rotation of		for 8 to 10 seconds
undresses without the trunk is already assistance - strongly engaged:		dunamia balanas
assistance - strongly engaged: unbuttons and the ball is over the		dynamic balance:
buttons medium-size shoulder, the elbow	w 37.	walking, running,
buttons extension is still		jumping
dominant during th		
27. colours between throw, stepping lines forward with the	38.	walking on a beam, feet in front of each
same foot as the		other
28. draws person with throwing arm durin	g	54.151
at least three body the throw	39.	walking on tip toes
parts (mostly hetween 5-10) 33. ball handling: can		
between 5-10) 33. ball nandling: can throw a tennis ball	40.	0
29. "quasi" writing - 2 meters into the b	in	(heel-toe)
pretending to write (spinal rotation is	41.	jumping forward from
already activated);		a standing position at
30. copies triangle and square and other catch a large ball, l	hip	a distance of cca. 70-
geometric shapes and knee flexion to	· 1	80 cm
make a soft catch	42.	can turn backwards
31. cuts out a circle 34. can kick not only the	20	180° by jumping up
stationary ball but	ie	from a standing
also the rolling ball	I	position
	43.	jumping backwards
		with even feet 6
		times in a row
	4.4	hunny honning from
+lateral dominance is	44.	bunny hopping, frog jumping
established, stabilized		,··· · -··· · 3
	45.	11 0
		alternating feet



			46.	hopping 8 to 10 times on one foot
			47.	jumping over an object and landing with both feet together
			48.	galloping, leaping
			49.	leaping in place
			50.	jumping up and down
			51.	more precariously jumping forwards and backwards on even feet
			52.	jumping forwards and upwards from one leg
			53.	somersaulting without leaning sideways
			54.	swinging, climbing
6	55. builds , plays with Legos, puts together puzzles	62. sense of the ball continues to develop, throwing enters the	67.	difficult walking, running and jumping situations: walks skillfully along the
	56. can eat properly with a knife and fork	mature phase 63. already throws from a standing one leg		beam with his feet in front of each other, it is capable of
	57. while drawing, the writing movements already appear – perhaps they already	forward (transverse lunge), the trunk also turns before throwing, the	20	crossing even half a meter while walking - e.g. over a puddle
	try to write 58. depiction is detailed	momentum of the arm movement during the throw is	68.	good at running and jumping, runs well on uneven ground,
	59. draws a 12- to 14-	supplemented by the forward rotation of the trunk		steep slopes and stairs, jumps, runs away, jumps over
	part person 60. keeps the line when	64. throws a small ball		small ditches, tree trunks (obstacles)
	coloring	into a paper basket from a distance of up to 3-4 meters	69.	static balance:
	61. ties shoes	10 3-4 11161613		aton din a sa sa sa sa sa
		65. skillfully throws at the target from a	a.	standing on one leg with eyes open: 10- 15 seconds; with
		distance of 2 meters		eyes closed for 6-10 seconds (optimally,



		also develops, the eye follows the movement of the incoming ball well, the hand position and arm movement changes according to the flight of the ball, when it comes into contact with the ball, it slows down its momentum by letting go of the arm		the trunk does not swing out too much and the arms do not mow significantly) dynamic balance: can walk on the line with good balance even over longer distances - this can be tested with a 3-4 meter long taped line
			b.	jump over a rope 25 cm high
		+lateral dominance develops, so the hand on the dominant side is more skillful	C.	double-legged forward jump approx. 1 meter away
			d.	jumping forward on one leg fast and long
			e.	jumping on the spot on one leg 6-7 times continuously
			71.	likes to try/practice various forms of exercise: hopscotch, jumping rope, roller skating, cycling
			a.	can master the complex movements of sports movements - able to complete a 45-60 minute playful sports session
			b.	can learn the basics of most sports movements: soccer, bicycle, roller skating, swimming, skiing, etc understands and follows rules
7	72. skilled in craft techniques : painting, drawing, cutting, gluing, paper folding, plastic molding			moves persistently and skillfully: soccer, bicycle, running, bouncing a ball complex movements, proper balance and



	74.	helps with simple housework: peeling, chopping, stirring, cutting dough, sweeping, wiping movement coordination is becoming more and more skillful, can solve tasks that require fine motor skills he depicts events in drawing, human drawing includes at		coordination are assumed
	76.	least 6 body parts drawings develop, differentiate, show details - e.g. pocket on the dress arcs, loops, waves - elements of writing movements appear		
7		skilled in craft techniques: painting, drawing, cutting, gluing, paper folding, plastic molding helps with simple housework: peeling,	87.	moves persistently and skillfully: soccer, bicycle, running, bouncing a ball complex movements, proper balance and coordination are assumed
83.	chopping, stirring, cutting dough, sweeping, wiping movement coordination is becoming more and more skillful, can solve tasks that require fine motor skills			
		he depicts events in drawing, human drawing includes at least 6 body parts		
	85.	drawings develop, differentiate, show details - e.g. pocket on the dress arcs, loops, waves -		



elements of writing	
movements appear	

Table 1: Motor skills and movement developmental milestones from age 4 to age 7

References:

Blythe, S.G. (2014). Neuromotor Immaturity in Children and Adults: The INPP Screening Test for Clinicians and Health Practitioners. Neuromotor Immaturity in Children and Adults: The INPP Screening Test for Clinicians and Health Practitioners. 1-124. 10.1002/9781118736906.

Büki Gy., Gallai M., Paksy L. (2004). A pszichomotoros fejlődés zavarainak felismerése és ellátása az alapellátás gyakorlatában. 2. sz. Módszertani levél. OGYEI, Bp.

Dosman, C. F., Andrews, D., & Goulden, K. J. (2012). Evidence-based milestone ages as a framework for developmental surveillance. Paediatrics & child health, 17(10), 561–568. https://doi.org/10.1093/pch/17.10.561

Gyermek-alapellátási útmutató a 0-7 éves korú gyermekek szűrési vizsgálatainak elvégzéséhez, 2., javított kiadás [Online]

http://www.gyermekalapellatas.hu/

Scharf, R. J., Scharf, G. J., & Stroustrup, A. (2016). Developmental Milestones. Pediatrics in review, 37(1), 25–47. https://doi.org/10.1542/pir.2014-0103