

Training of augmentative and alternative communication of children with special needs by means of gestures

Soroko Ekaterina Nikolaevna

Head of the Department of Correction and Development Technologies, PhD in Pedagogy

Gesture

(from lat. Gesture - movement of the body) – some action or movement of the human body or its parts, having a certain value or meaning, then there is a sign or symbol.



Classification of gestures

Gestures-emblems

Gestures-illustrators

Gestures-regulators

Classification of gestures

Symbolic social

Additional social

**Gestures that mimic
the simple subject
of the action**

**Gestures that are
descriptive**

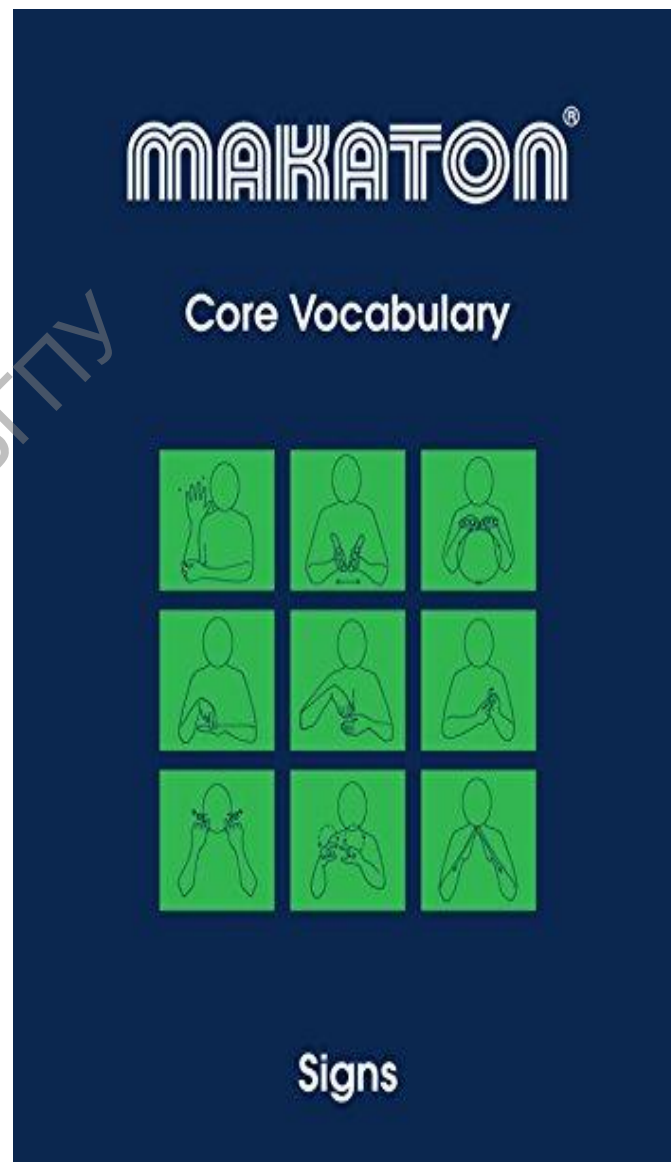
Gesture-based systems

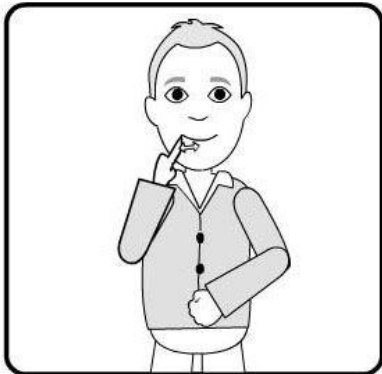
MAKATON

Margaret Walker, Catherine Johnston, Tony Comfors
(UK)



- MAKATON: main and resource dictionary
- The main vocabulary includes about 450 functional concepts needed in daily, everyday communication (products, objects, animals, basic verbs of action, etc.).
- In the Main Dictionary, there are 8 levels and one more level - additional.
- In the Resource Dictionary 6 sections: the national curriculum; animals, vehicles and vehicles; visual arts; bereavement (close person); food and drink; gossip, health and public education.





Girl



Boy

Levels of use of the MAKATON system

- 1) *Key level*: gestures reflect only key concepts.
- 2) *Functional level*: gestures reflect actions only.
- 3) *Full level*: gestures reflect most of the words in the statement.

Advantages of the MAKATON system

- limit the number of words, the use of key concepts characterized by high functionality.
- the organization of levels of the Dictionary in accordance with the communicative significance, as well as the level of complexity.
- personalization of the Dictionary, the possibility of adapting it to the individual characteristics of the person.
- simultaneous use of speech (oral and written), gestures and graphic symbols.

Gesture-based systems



Groups of gestures

- Clothing
- Transport
- The senses
- Questions
- Places
- Weather
- Health, etc.

DOCTOR
Working extended index and thumb hold supporting wrist.

NURSE
Working thumb flicks down a cross on supporting upper arm.

PSYCHOLOGIST
Working index hand points to side of temple sign "think", then working flat hand (palm in, pointing forward) taps twice on supporting hand to make letter shape "T".

OCCUPATIONAL THERAPIST
Working fist (palm in, pointing forward) strikes twice across supporting fist (palm in, pointing forward), then blade of working fist rests on supporting palm; formation moves upwards.

PHYSIOTHERAPIST
Working closed hand (palm back) touches supporting upper arm twice; then blade of working fist rests on supporting palm; formation moves upwards.

SPEECH & LANGUAGE THERAPIST
Working index (palm in, pointing up) touches lips and moves forwards a short way; then blade of working fist rests on supporting palm; formation moves upwards.

PEOPLE WHO CAN HELP

BEHAVIORAL SUPPORT WORKER
Working index hand points to side of temple; then working flat hand (palm in, pointing forward) taps twice on supporting hand to make letter shape "T". Followed by bent hands (palms back, pointing in) fingertips against chest, move down maintaining contact.

HEALTH & WELL BEING COORDINATOR
Open hands (palms down, pointing forward); thumbs brush down chest alternately several times. Followed by working cupped hand strikes twice across supporting palm moving towards heel of hand; then blade of working fist rests on supporting palm; formation moves upwards.

SOCIAL WORKER
Working thumb hand (palm down, pointing forward) taps twice on palm of supporting fist hand (palm in, pointing forward); then blade of working fist rests on supporting palm; formation moves upwards.

CARE MANAGER
Working index hand (palm in, pointing up) rests against supporting index hand (palm in, pointing up) beside eye. Formation moves forwards slowly; then working index hand (palm in, pointing up) hand beside head makes a slight movement forward.

ADMINISTRATION SUPPORT
Working bunched thumb, index and middle fingers forms writing over supporting fist hand (palm up, pointing forward); then working index hand (palm forward, pointing out) moves down in front of body.

ADVOCATE
Thumb hands (palms in, pointing forward) working hand behind; working hand moves forward to touch supporting hand. Formation makes sharp forwards movement.

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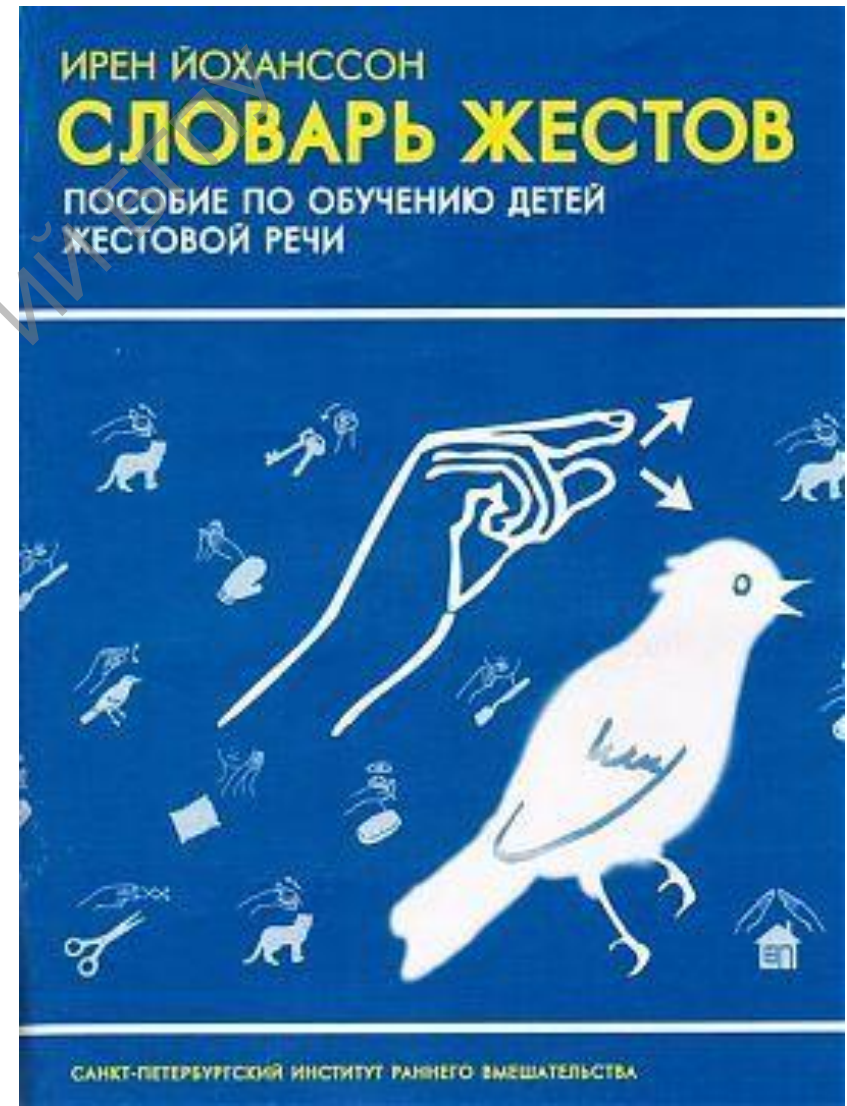
Gesture-based systems

- **Communication based on gestures**
E. Wilken (Germany)



Gesture-based systems

- **Communication using gestures I.Johansson (Sweden)**



Gesture-based systems

- **Communication using gestures**

T. Zemlyanina, T.V. Lisovskaya

(Republic of Belarus)

Gesture blocks: social interaction, hygiene and care, food and drink, clothes and shoes, emotions and sensations, family and people, play and activities, natural phenomena, actions, labor operations.




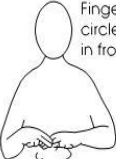


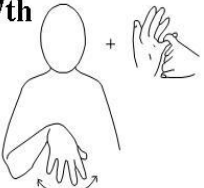





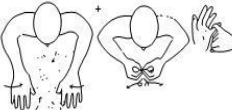

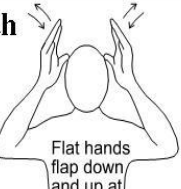
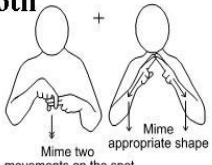


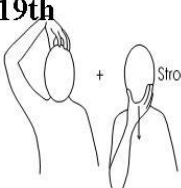

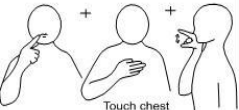



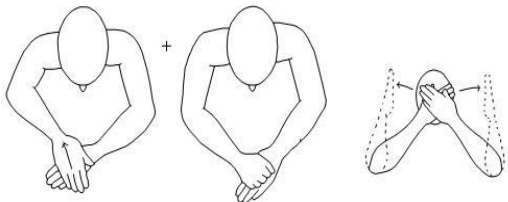
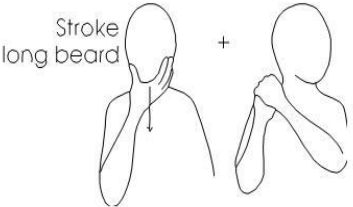
Stages of gesture training

The stage of familiarity with the gesture

The stage of mastering the gesture

The stage of using gesture

Makaton Advent Calender

Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
<p>1st</p>  <p>Snowman</p>	<p>2nd</p>  <p>Christmas Tree</p>	<p>3rd</p>  <p>Move hands from wrists quickly</p> <p>Sleigh</p>	<p>4th</p>  <p>Finger spell 'F', circles clockwise in front of body</p> <p>Family</p>	<p>5th</p>  <p>Stars</p>	<p>6th</p>  <p>Happy</p>	<p>7th</p>  <p>Bells</p>
<p>8th</p>  <p>Pudding</p>	<p>9th</p>  <p>Winter</p>	<p>10th</p>  <p>Right middle finger touches centre of other palm, repeat with left hand</p> <p>Jesus</p>	<p>11th</p>  <p>Movement of hands show antler size</p> <p>Reindeer</p>	<p>12th</p>  <p>Holiday</p>	<p>13th</p>  <p>Presents</p>	<p>14th</p>  <p>Mime pulling bell rope</p> <p>Church</p>
<p>15th</p>  <p>Flat hands flap down and up at wrists</p> <p>Donkey</p>	<p>16th</p>  <p>Mime two movements on the spot</p> <p>Mime appropriate shape</p> <p>Stable</p>	<p>17th</p>  <p>Candles</p>	<p>18th</p>  <p>Hands make slight flutter movements</p> <p>Angel</p>	<p>19th</p>  <p>Stroke beard</p> <p>King</p>	<p>20th</p>  <p>Cake</p>	<p>21st</p>  <p>Touch chest</p> <p>Robin</p>
<p>22nd</p>  <p>Waggle thumb & 2 fingers under chin</p> <p>Turkey</p>	<p>23rd</p>  <p>Whole formation circles twice</p> <p>Toys</p>	<p>24th</p>  <p>Sleep</p>	<p>25th</p> <p>Christmas Day</p> 		<p>Father Christmas</p>  <p>Stroke long beard</p>	



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Prompt
Education

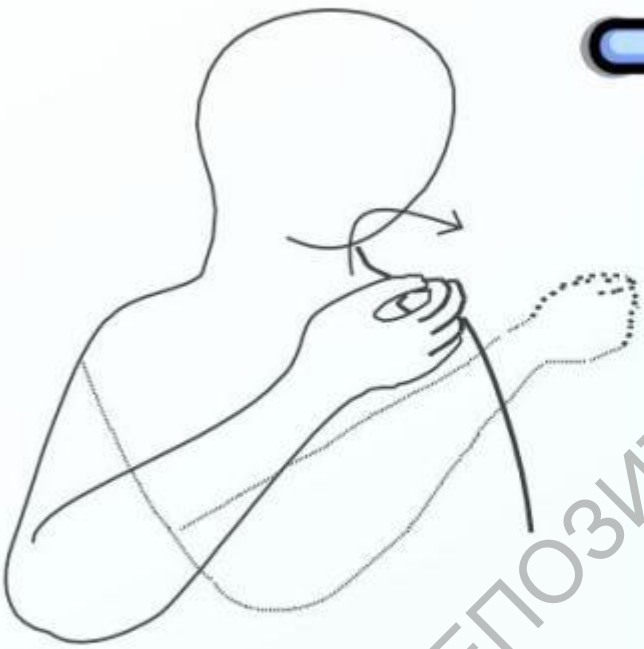
Sign Language Hand Cards

Visual Aids for children
with learning disabilities



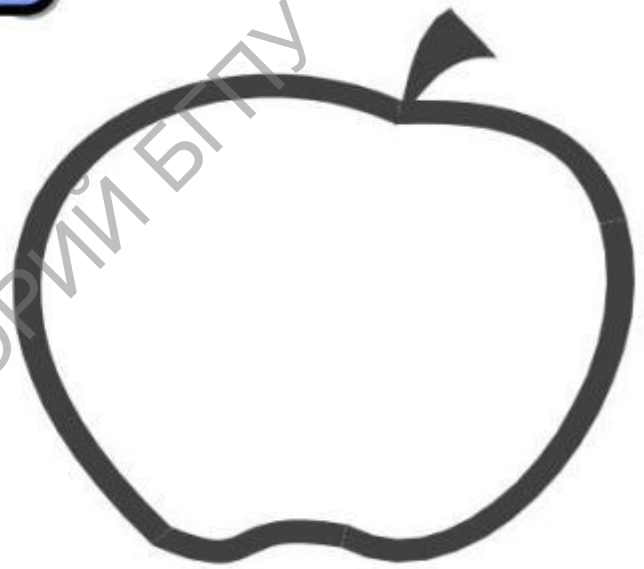
car

apple



sign

apple



symbol

РЕПОЗИТОРИЙ БГПУ

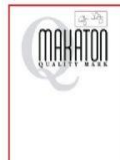
MAKATON BOOKS

My Makaton Book of Colours



Tom Pollard

Illustrated by Andrew Hancock



My Makaton Book of Numbers



Tom Pollard

Illustrated by Andrew Hancock





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