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SAMPLE 4-7 years

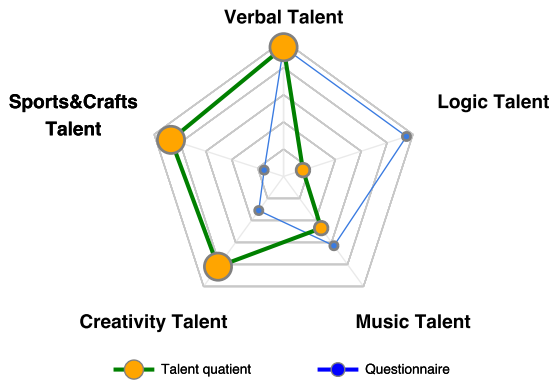
VERBATORIA

TALENT QUOTIENT
SUMMARY REPORT

Your skill:

Scenic speech

I. TALENT QUOTIENT - APPLIED AREAS



Ranked result values represent talent edges of max brain potential feedback during testing

Skills and background at the moment of testing, mental mood doesn't affect results, as well answers are not counted.

Highest and lowest areas are stable for outstanding majority of tested people.

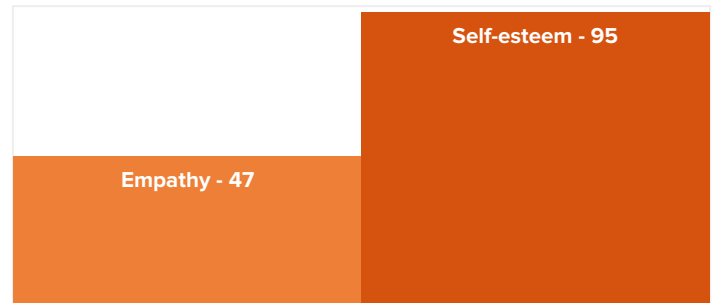
[Consider re-testing only in case tiny spread between three or more edges]

II. TALENT QUOTIENT - EMOTIONAL INTELLIGENCE

Emotional Quotient balance between inter-, intra-personal talents defines comfortable team role for children, teenager, adult. (see the section "Sport and Leadership").

Unlike applied areas talents those in emotional directly affected and changes throughout a life under environment and social conditions.

Consider retesting after 12-18 months of Emotional Quotient.



III. Thinking type

Appropriate type of training is through examples, from general to particular. A picture is worth a thousand words: experience for person is more important source of skills than learning rules. Peculiar to the thinking in the form of images by its creation, formation, support, operation and modification with the help of presentation mechanisms and examples.

Visual

IV. Emotionality

Optimal metric values that define a person as balanced and adequate in manifestations. Does not require efforts to show their emotions or to repress them.

Normal

TALENT QUOTIENT PERSONAL DESCRIPTION

Abilities priority in every area

Talent edge description (according to G. Gardner)

PRIORITY

Verbal Talent Edge

Learning languages, especially native, is given easily. Possibilities for rapid increase of the program complexity. Intuitive understanding of language rules without learning. In combination with high scores in the area of spatial or musical intelligence, early learning of foreign languages is possible.

Verbal and linguistic intelligence facet allows person to speak, including the mechanisms responsible for the components of speech like sounds, grammar, meaning, and pragmatism. The manifestations of this intelligence facet can be attributed to the mastery of both oral and written speech, and awareness of the words meaning, their sound, pronunciation, spelling and application possibilities in life. There may be an ability for foreign languages, the ability of speaker. At high priority facets - speaking of such people is easy and grace, and writing is the so-called "congenital literacy" and literary style.

Logic Talent Edge

Do not select areas as a major, if data are key skills for achieving of considerable success.

Logical and mathematical facet of intelligence gives a person the ability to handle numbers and make predictions, generalizations, vary abstract concepts, symbols and numbers, to discover and solve logic problems in a variety of symbolic systems. Characteristic is the importance of finding semantic relationships among subjects, explanation of cause consequence connections through the rules, ability to relate quotient and the whole. At high facet priority - carries a great potential for the individual regardless of the chosen sphere of professional self-realization through inclination to experiments, analyticity.

Music Talent Edge

Good musical memory and sense of rhythm. If parents want to focus on the development of musical area, it is necessary to determine the strongest side of the realization of musical abilities in the distribution of potentials in the kinesthetic, spatial and speech areas. Playing an instrument, writing and singing may have substantially different results.

Music intelligence facet forms in human sensitivity to sound and phonemes. Degrees of development are manifested not only on music classes, but in the constant analysis of sound space, recognition and capture of rhythms, melodies, beats, timbres and musical tonality. May manifest as ability to music composing and improvisation, play musical instruments, to the study of foreign languages based on melody and tone sound.

PRIORITY

Creativity Talent Edge

Unique opportunities for implementation. Spatial and temporal intelligence is the ability to remember places, images and events. Accumulated information becomes a source for creativity, creation of new images as the basis of remembered and totally new. It is important to understand that creative intelligence does not implement creative intelligence and is revealed only through one of the other areas. It is possible to study several foreign languages at the same time, including the methods of "global" reading.

Spatial and temporal intelligence facet determines the ability of a person to operate with images of objects and phenomena in the dynamics of a four-dimensional space, regardless of their starting position, the ability to accurately perceive the visible world, transform the stored images into new, and also the ability to recreate aspects of visual experience even in the absence of a corresponding physical object. Typical associated perception of time and space, the ability to see and create shapes, outlines and images. The key property is imagination, fantasy, understanding of the subject and its significance without essence of the subject. Regardless of the facet priority - complements and enhances other applied abilities.

PRIORITY

Sports&Crafts Talent Edge

Unique opportunities for implementation in areas are related to movements, postures and gestures. Abilities to copy (repeat), memorizing and invent. This kind of abilities is the base for many applied areas and is often implemented in conjunction with others: theater (with speech intelligence), dances (with spatial or musical intelligence), architecture and design (with mathematical and spatial intelligence), and so on.

Bodily-kinesthetic (motor) facet of intelligence is learning through movement. For this facet, the manifestations of abilities are the ability to control and manage own body, and also use this ability to achieve expressive (facial expressions, gestures) or dynamic goals (sport, playing an instrument). Development can be directed both to large motility (coordination of movements, balance, dexterity, strength, flexibility, etc.) and to small (left sensitive fingers and acervulus). World perception with such intelligence is due to its motor activity, i.e. Information regarding the position and condition of the body, determines how the further perception of the surrounding reality happens.

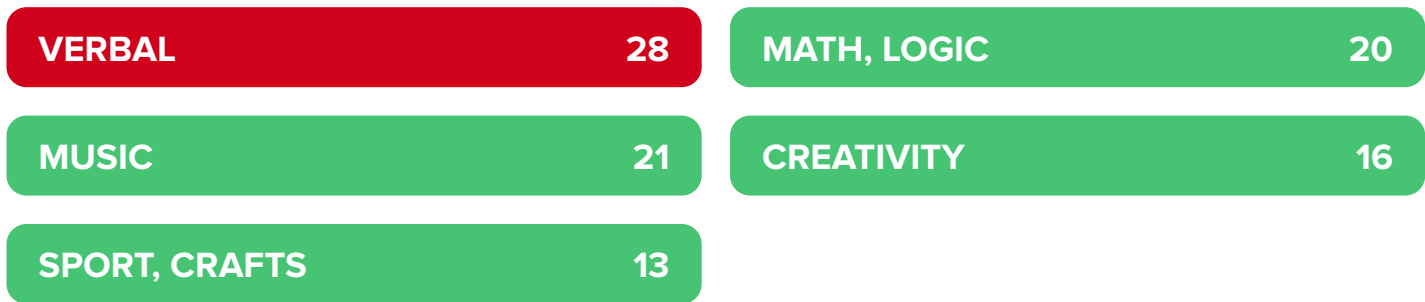
ATTENTION AND MEMORY

These data help to optimally plan training schedule taking into account the performance for each area. Attention to different activities is allocated by the brain differently. The value of attention is not associated with intellectual potential (neurometrics) of the same facet: at a high potential there can be deficit, norm or critical values of attention and vice versa in any combination. Use the indicators of this report for a better planning of training schedule, corresponding to the features of the memory work.

VERY IMPORTANT: Indicators characterize what the distribution of attention for the current period of brain development and after 9-12 months can change considerably in a natural way.

High attention (RED areas) in any area is the equivalent of a good memory. These classes will become a skill and knowledge that is available through the week and longer. The flip side of excessively high attention will be high fatigue due to the fact that the memorization process is extremely labour-consuming.

Attention deficit (YELLOW area) typically manifests as "forgetfulness".



Effective memory mode in these classes. Optimal attention for classes in the standard loads intensity. Special adjustments in the schedule are not required.

MANIFESTATIONS
Even with high abilities in this area new material can be forgotten.

REASON (WITHIN THE NEUROMETRY)
At this stage of individual development information from this area isn't effectively transferred to the long-term memory by the brain.

RECOMMENDATIONS
Longer, crossed by themes and repetitive activities are recommended. Mandatory monitoring of involvement in the learning process.

MANIFESTATIONS
Memorizes a lot in this area, effectively assimilates new material, but fatigue, inattention and refusal to practice can quickly appear - especially if the duration is an hour or more.

REASON (WITHIN THE NEUROMETRY)
Quickly overloaded due to the high memorization effectiveness, becomes saturated with information.

RECOMMENDATIONS
Short frequent classes up to 20 minutes, changing the way of giving information within one class, knowledge control in the first half of the class

SCHOOL GRADES

Forecasting school performance is a task that accompanies parents throughout the development of their child. Choosing a profile, a suitable methodology, additional classes are frequent questions when moving from class to class. Subjects that were not before appear at the same time with the load increasing. For example: is it possible to know the ability to physics on arithmetic mark? It is just as wrong as assessing surgeon for the operation speed with the scalpel. Each subject has its own requirements for abilities that are made for a module by leading teachers of Moscow. Individual distribution of neurometrics abilities affects on future success more than the existing facilities and skills

	COMPLEXITY	ATTENTION/ALERTNESS
Algebra		
Art		
Biology		
Chemistry		
Foreign language		
GAC (Global art culture)		
Geography		
Geometry		
History		
Informatics		
Literature		
Mathematics		
Music		
Outworld		
Physical training and sports		
Physics		
Russian language		
Science		
Second foreign language		
Social studies		
Technology		

Color denotation

Color denotation in the column "COMPLEXITY" is easiness (child independence) or difficulty (need more classes and parents attention) of **subjects in relation to each other**.







- Child achieves results independently and parental control is minimal.
- In general assimilates the school curriculum of the subject and the result depends on motivation and control.
- Can not be chosen as a profile. The assessment depends significantly on the efforts of parents, methods and teacher.
- The results are stable. There is no proneness to fatigue or obliviscence.
- Additional lessons, repetitions and explanations are needed for achieving a stable assessment (see Attention-Memory module)
- "Restlessness" and "stupid mistakes". With two "red" on the subject - an individual program and control (see Attention-Memory).

Interest groups: Automatic selection of extra-curricular activities

First of all, it is necessary to consider as additional classes those who have green color in both columns: abilities to progress and speed of development here is maximum. In classes with yellow color it will probably take a lot of effort and attention of the parents, but the result is also possible. Not recommended only classes with grey color "achievements" as the child abilities do not quite appropriate to the requirements for achieving outstanding results in these classes.

DEVELOPING CLASSES	COMPLEXITY	ATTENTION/ALERTNESS
Acting technique	Green	Green
Additive technologies and 3d printing	Yellow	Green
Astronomy	Grey	Green
Autoclub	Yellow	Green
Chess	Yellow	Green
Circus art	Green	Green
Conversational vaudeville genre	Yellow	Green
Cosmology	Yellow	Green
Dancing	Yellow	Green
Design and modeling	Yellow	Green
Digital production technology	Grey	Green
Engineering and artistic design	Yellow	Green
Expeditions	Yellow	Green
Experimentation (chemistry, physics)	Grey	Green
Financial management	Grey	Green
Graphic design	Yellow	Green
Handicraft	Yellow	Green
Journalism	Green	Green
Junior naturalist (biology, zoology, botany)	Yellow	Green
Languages of cognated phonetics (English, German, etc.)	Green	Green
Languages of not cognated phonetics (Arabic, Chinese)	Yellow	Green
Military science	Yellow	Green
Modern business	Yellow	Green
Modern programming	Yellow	Green
Musical	Green	Green
Navigation	Grey	Green
Painting, drawing, composition, photography	Yellow	Green
Paleontology	Yellow	Green
Phytodesign	Yellow	Green
Piano	Yellow	Green
Political studies	Green	Green
Popular medicine	Yellow	Green
Radio-controlled models (piloting)	Grey	Green
Robotic engineering	Yellow	Green
Scenic speech	Green	Green
School of young entrepreneur	Yellow	Green
Singing	Green	Green
Stringed or percussion instruments	Yellow	Green
Visual media creativity (cinema, television, video, radio)	Yellow	Green
Vocal and drama studio	Yellow	Green

Color denotation in the column "COMPLEXITY" is easiness (child independence) or difficulty (need more classes and parents attention) of subjects in **relation to each other**.

	
RESULT!	EASILY LEARNED
	
YOU CAN TRY	NEED TO REPEAT
	
NOT THE BEST CHOICE	QUICKLY EXHAUSTS

SPORT AND LEADERSHIP

Sport achievements are high requirements in 4 of the seven intellectual skill areas. In contrast to strengthening physical education, in the sport of achievements, intellectual abilities play a determining role and are more important than physical data. If only high potential is available in all four areas, sport can be considered as main activities, exceptions are certain types (chess and others), the conclusion on them is formed separately.

Kinesthetic (motion) - for precise control of the body and memory positions, angles, gestures, etc ..

Space and time (creativity) - for coordination in game dynamics, accurate calculation of positions and moves.

Interpersonal intelligence (communicative) - the ability to adapt in complex hierarchies, including "informal".

Inside-personal intelligence (self-confidence) - protection from "burning out" in defeats and victories.

Lack of necessary indications in any of the four areas can only be compensated to a certain extent by physics and psychology of motivation (coaching techniques), but it is intelligence that is the criterion of success in sport.

SELECTION OF SPORT AND MODE OF OCCUPATIONS

PHYSICAL EDUCATION OR SUPPLEMENTARY ACTIVITIES

Without limitations of the dynamics of the game space - including hockey, football and other complex space-time games

Physical data of possession of movements can significantly compensate for other areas, emphasize species and roles with high coordination requirements

Without limits on the size of the team and the complexity of interactions. Even in the absence of the currently necessary skills - a person is able to acquire them independently and learn from the practice of communication

COMFORTABLE ROLE IN THE COLLECTIVE

The potential type of leadership determines such a role in the team for a person, in which he can fully rely on skills and constraints in the interlining sphere, as well as in intrapersonal self-identification.

Unlike applied faces, the type of leadership can vary, but the measurement data show exactly the comfortable role for the near future, which, if necessary, will be the most effective starting point for changes

Mentor Leader

Mentoring presupposes a system of transferring knowledge and experience to the surrounding world. At the same time, the emphasis is on the practical component, by his example a person tries to demonstrate behavior that he considers acceptable to all. For leadership of this type it is peculiar to recommend to your followers what exactly, how and when to do it. The mentor leader seeks to encourage and guide others to ensure that people participate in the discussion of issues, express new thoughts, theories and come to any conclusions on their own. He is able to inspire a large number of people, if clearly convinced of his point of view, knowledge and understanding of the subject. A person of this type is respected and accepted in the team due to his objectivity to the judgments, as he tries to understand the collective's thinking, moods, development tendencies. Such a person finds it interesting to listen to the opinions of other people, finding the opportunity to see some new solution that can become a fresh trend. Most often they are attracted to solutions of problems that require immediate actions, depending on the situation.

Self-awareness edge: He is internally confident in his actions and decisions, defends his position; in relations to act as a mentor; he adequately refers to the successes and defeats in sports, studies and relationships

Empathy: He demonstrates the desire to understand others, their emotions and interrelationships; he is well adapted in different groups

1. Jory Schossau, Christoph Adami, Arend Hintze. Information-theoretic neuro-correlates boost evolution of cognitive systems, (Nov 2015) <https://arxiv.org/abs/1511.07962>
2. Горбачевская Н.Л., Караханян К.Г., Давыдова Е.Ю. Особый одаренный ребенок. Лонгитюдное исследование памяти и ЭЭГ, Клиническая и специальная психология. 2016. Том 5. № 2
3. Abduljalil Mohamed, Khaled Bashir Shaban, Amr Mohamed. Directed Graph-based Wireless EEG Sensor Channel Selection Approach for Cognitive Task Classification, (Sep 2016)
4. Daniela Calvetti, Annalisa Pascarella. Brain activity mapping from MEG data via a hierarchical Bayesian algorithm with automatic depth weighting, (Jul 2017) <https://arxiv.org/abs/1707.05639>
5. Sayan Nag, Sayan Biswas, Sourya Sengupta. Can Musical Emotion Be Quantified With Neural Jitter Or Shimmer? (Apr 2017) <https://arxiv.org/abs/1705.03543>
6. Petsche H., Kaplan S., von Stein A., Fill O. The possible meaning of the upper and lower alpha frequency ranges for cognitive and creative tasks. *Int. J. Psychophysiol.* V. 26
7. Лебедев АН., Скопинцева НА., Бычкова Л.П. (2002) Связь памяти с параметрами электроэнцефалограммы. В книге: Современная психология. 4.1, М.: ИПРАН, 2002.
8. Gevins A., Leong H., Smith M.E., Le J., Du R. (1995) Mapping cognitive brain function with modern high-resolution electroencephalography. *Trends Neurosci.* V. 18.
9. Klimesch W. (1997) EEG-alpha rhythms and memory processes. *Int. J. Psychophysiol.* V. 26
10. Rougeul-Buser A., Buser P. (1997) Rhythms in the alpha band in cats and their behavioral correlates. *Int. J. Psychophysiol.* V. 26
11. Sveinsson J.R., Benediktsson J.A., Stefansson S.B., Davidsson K. (1997) Parallel principal component neural network for classification of event-related potential waveforms. *Med. Eng. Phys.* V. 19
12. Николаев АР., Анохин АЛ., (1996) Спектральные перестройки ЭЭГ и организация корковых связей при пространственном и вербальном мышлении. *ЖВНД им. И.П.Павлова.* Т. 46
13. Иваницкий ГА. (1997) Распознавание типа решаемой в уме задачи по нескольким секундам ЭЭГ с помощью обучаемого классификатора. *ЖВНД им. И.П.Павлова.* Т. 47
14. Musha T., Terasaki Yu., Haque HA., Ivantisky GA. (1997) Feature extraction from EEG associated with emotions. *Artificial Life Robotics.* V. 1
15. Николаев АР., Иваницкий ГА., Иваницкий АМ. (2000) Исследование корковых взаимодействий в коротких интервалах времени при поиске вербальных ассоциаций. *ЖВНД им. И.П.Павлова.* Т. 50
16. Говард Гарднер. Структура разума: теория множественного интеллекта. – М.: ООО «И.Д. Вильямс», 2007 г.
17. Дэниел Гоулман. Эмоциональный интеллект. Почему он может значить больше, чем IQ. Издательство: «Манн», «Иванов и Фербер» 2016 г.
18. Томас Армстронг. Ты можешь больше, чем ты думаешь. – Издательство: Манн, Иванов и Фербер, 2014 г.
19. Мохеб К., Мозг человека - 50 идей, о которых нужно знать - Издательство: Фантом Пресс, 2016 г.
20. <https://postupi.online/>
21. <http://ATLAS100.ru>