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С УГЛУБЛЁННЫМ ИЗУЧЕНИЕМ ОТДЕЛЬНЫХ ПРЕДМЕТОВ  
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КОНКУРСНАЯ РАБОТА  
Мир без границ (английский язык)

«What handwriting tells us about»

(исследование)

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# Introduction

Even in ancient times, people began to pay attention to the relationship between handwriting and character. This topic is interesting, because we write at home, at school, and the quality of handwriting is judged by ourselves. A lot of things depend on handwriting: the perception of ourselves, and how others see us, and grades at school, and self-esteem, and character. But the handwriting of each person is absolutely individual. We believe that the **theme** of our research is **relevant**, handwriting reflects the inner world of man, his behavior and mental abilities.

It turns out that there is even a whole science – graphology, which studies the laws of the relationship between handwriting and character.

Currently, graphology is of great importance in developed countries. Special services and law enforcement agencies of almost all States have a staff of specialists-graphologists. Graphology is part of the training program for diplomats of a number of European countries. Also, many firms use the services of expert graphologists that make up the characteristics of the specialists employed, as well as to assess some of the features of competitors. Graphology is successfully used in business, medicine, sports, education and other fields. The **problem** of our research is to determine the reliability between theoretical knowledge and practical results.

The **aim** of our study: to characterize classmates, guided by the theory of handwriting dependence on the character of the person.

To achieve the **goal** it was necessary to solve the following tasks:

1. get acquainted with the science of graphology;

2. to study the basic laws of graphological analysis and the relationship with the psychology of personality;

3. analyze the handwriting of students in your class;

4. on the basis of observations and questionnaires to establish the percentage of reliability of the results.

**Hypothesis:** the character of a person can be determined by his handwriting.

**Object** of research: handwriting of classmates participating in the experiment.

**Subject** of research: the relationship of handwriting and personal characteristics of a person.

**Research methods**: work with information sources, observation, survey, comparative analysis, formulation of conclusions.

This work belongs to the theoretical study, its importance is essential for understanding the inner world and the nature of our classmates, with whom we have to study and communicate for five years.

During our research, we used Internet resources, books on psychology and graphology, as well as questionnaires and observation.

# Main part

## 1 Theoretical part

## 1.1 History of graphology

Graphology is an ancient art. Several thousand years ago, the Chinese determined the character of a person by handwriting, experts in ancient Rome, and later, the monks of the middle ages mastered this art.

The first known book on graphology was published in 1630 and was written by Italian Professor Camillo Baldo. The book was called "How to know the nature and qualities of a person by looking at the letter he wrote." In this book, he wrote the interpretation of the individual qualities of man by his handwriting, which formed the basis of the first reference book on graphology.

Approximately 200 years to the subject of handwriting was back in France, when a churchman, the Abbot Flandrin was interested in the book of Baldo. The Abbot decided that it deserved serious analysis and discussion. He created a group whose members took up the issue and classified the handwriting of people with different interests and occupation. They developed the rules that formed the basis of modern handwriting analysis. The Abbot used two Greek words (γράφω - " I write "and λόγος — "teaching" ) and created graphology. Graphology is a science according to which there is a stable relationship between handwriting and internal human traits, which are expressed in writing letters.

Flandren's pupil Michone developed graphological researches and surpassed the teacher. In 1872 he wrote the book "The system of graphology". Around 1880, the work of Michone was developed further in studies of Krepie-Jamin, who applied better classification methods of a handwriting analysis.

Graphology was popular in Germany, then in England. The graphology - lovers were the Prime Minister of England Disraeli and American author Edgar Allen Poe.

In the 1917there was also a scientific graphological society in Russia with the chairman D. M. Zuev-Insarov, who was the author of the popular book "Handwriting and personality". However, in 1940, Professor S. V. Poznyshev conducted a special study, as a result of which he did not see the scientific basis in graphology. However, in those years, the same sad fate befell some other Sciences.

Since the XIX century in different countries there were graphological society groups. In Europe, graphology is considered with due attention and occupies a worthy place in the work of a psychologist and psychiatrist. It is included in the curriculum of psychology at universities in many European countries.

Nowadays on 23 January the National Handwriting Day is celebrated worldwide. The initiator of the day of handwriting was the Association of manufacturers of writing accessories. This day was established to remind all of us about the uniqueness of handwriting, the need to practice it. After all, the growing popularity of computers, e-mail and electronic notebooks, SMS, sets of stickers with printed phrases, tips, and other means of rapid communication gradually removes the modern man from the opportunity to express his thoughts by writing them with his own hand. Perhaps in the near future a letter or postcard written "by hand" will be rare.

## 1.2 The possibility of handwriting analysis

As the man himself, the handwriting is unique, so its specific details say about certain qualities of the person. Handwriting provides an opportunity to judge feelings, personal preferences, emotional and physical health, social behavior, way of thinking, abilities and talents, character flaws and communication skills. The size of the letters, the slope, the force of pressure, punctuation and various loops help to identify in each person an individuality with special, only inherent qualities. Despite the fact that almost all people learn to write by prescription and follow the recommendations of the teacher, there is no known case of an exact copy of this textbook. In addition, each handwriting has a kind of "additives" that illustrate personal movements of the hand, as well as each person when writing excludes those movements that are not quite convenient to him.

That is why it is so important to see how different the handwriting is from recommended writing letters. In that case, if it strongly resembles it, a person tends to act according to generally accepted norms and tries to think "like everyone else". Conversely, people who have strayed far from the "right" style of writing usually act according to their own norms and differ in an independent way of thinking. As for the graphological analysis, deviations from the norm are important, as they can report the most interesting information about the person.

Sigmund Freud wrote: "Without a doubt, through the handwriting of the person expresses their individuality". And Benjamin Disraeli, Prime Minister of England, who lived in the XIX century, said: "the author's Handwriting, like all arbitrary actions of man, has similarities with his character." Many famous people also held this opinion: this is Albert Einstein, Edgar Allan Poe, George sand and others.

In ordinary everyday life, knowledge of these principles can help to understand him correctly and find a common language with him.

## 1.3 How to analyze handwriting

The ideal pattern of handwriting should be on a large sheet of plain white paper, not lined and borderless. For the text, it is better to offer the person to write what comes to his mind. In this case, the handwriting will be more natural.

In addition to the handwriting sample obtained directly for analysis, it is desirable to have a sample of the letter prepared earlier, when the man did not know that the analysis of his handwriting will be carried out. If the letter for the sample consists of several pages, you should pay attention to the last page, since by the end of the letter the author no longer makes a conscious effort to beautifully print the letters. At the last page the handwriting is as natural as possible.

Handwriting analysis is carried out in the same way, no matter man or woman is the writer. In the process of graphological analysis, it is necessary to take into account the lifestyle of a person, the influence of environmental conditions, physical state, the situation during writing, up to the pose of the writer and the quality of paper and pen, not to mention age, body temperature, health and so on.

## 1.4 Analysis of the general form of handwriting.

How to determine the character of a person by his handwriting? We know that handwriting is a hidden informant about a person and along with the peculiarities of his appearance, behavior and habits, complementing our impressions of him, allows us to make certain conclusions.

Today, a whole system of handwriting features has been developed, each feature reflects a certain inner personality trait. Let's focus on the most common:

### 1.4.1 Force of pressure

Strong pressure is typical for self-confident and energetic people with high performance. Such people are usually very sociable and are attracted to its sense of purpose and optimism. They can be critical, prone to the manifestation of force.

Light pressure is most often in extremely sensitive and romantic natures. They are dreamers, focused primarily on their inner world. Responsible, but unhurried, do everything carefully, trying not to make mistakes. Often this pressure is a sign of weakness.

### 1.4.2 The slant of the letters

A small tilt to the left is most common among individualists: they always put their own interests above the group ones. Such people are characterized by a critical mindset.

Owners of a strong tilt to the left are self-sufficient and independent, always have their own point of view on any problem.

A slight tilt to the right is the most common slope of handwriting, these people are calm and balanced. They are always open to communication, but do not mind to be alone for a while. They are prone to mood swings.

A strong tilt to the right indicates commitment and perseverance. Such people, as a rule, are maximalists and tend to be the first in everything, so if they decide on something, then on the condition that they receive either everything or nothing. They are amorous and very jealous.

If the handwriting is vertical, it speaks of inner harmony, balance of rationality and emotion at the same time. People with this handwriting carefully analyze the situation and only then make decisions. The most important character trait is stubbornness.

The presence of all signs shows doubting, inconsistent, insecure person, experiencing difficulties in making decisions, and often changing it.

### 1.4.3 The size of the letters

The size of the letters says about the sociability of man. For example, owners of large handwriting (more than 3 mm) are open, emotional and easily find a common language with people. They have a lot of friends. By nature, they are leaders and the soul of any company. They can convince anyone of their rightness.

Small handwriting (less than 3 mm) suggests that its owner is a restraint, calculating, secretive and closed man. He can fulfill responsible work, as he is able to concentrate.

Wide handwriting is a genuine person. These people are creative and talented. Narrow letters are a sign of rationality and thrift.

### 1.4.4 The outlines of the letters

Rounded letters indicate kindness and responsiveness, as well as the ability to compromise. If you meet a person with this handwriting, know that you can rely on him, he always support in difficult situations.

Angular letters are a sign of selfishness. A person with such a handwriting tends to independence, does not like to submit.

### 1.4.5 Location of lines on the page

If text lines go up, then the person who wrote it is an optimist. If text lines go down he is a pessimist. Straight lines are for calm, considered, balanced, and realistic people. Uneven, wavy lines indicate a frequent change of mood, unbalance, guile.

### 1.4.6 Indents

The left fields on the letter indicate a person's attitude to material values. Narrow field speaks about frugality, and wide is about generosity. If the left edge of the bottom expands it stresses the extravagance, and the tapered left edge shows stingy and greedy person.

### 1.4.7 The nature of writing words

Merged handwriting, when all the letters in the word are linked, is a sign of good logical thinking. If the letters are not connected to each other, this indicates a well-developed intuition.

### 1.4.8 General assessment

There are some general rules for handwriting.

Calligraphic handwriting characterizes a person as obligatory, accurate, but not independent. Correct handwriting indicates calmness and poise. Sweeping handwriting shows active, curious people. Illegible handwriting speaks of energy, carelessness, and nervousness.

Here are a few more signs of handwriting:

* as a rule enterprising people who can easily adapt, they write fluently and sweeping;
* a person who is balanced, constant in views and attachments, smooth in relations, has legible, neat and not very diligent handwriting. The letters are not the same, without strong pressure, with equal intervals between words;
* if the letters in the words are separate from each other , it means weak will, merged letters mean good stress resistance;
* a small distance between words may indicate a weak sense of subordination;
* large gaps at the end of lines mean caution.

## 2 Practical part

## 2.1 The research and its results.

In this section, we conducted an analytical study of the handwriting of our classmates (25 people), identified the main features of their letters and received the following results (table 1):

Table 1-Handwriting of students

|  |  |
| --- | --- |
| Features of handwriting | Number of students |
| Large | 15 |
| Small | 10 |
| Legible and neat | 8 |
| Letters are separated from each other | 8 |
| Merged letters | 17 |
| Strong pressure | 10 |
| Short distance between words | 18 |
| A slight tilt to the right | 9 |
| Strong right tilt | 3 |
| A slight tilt to the left | 3 |
| Vertical letters | 11 |
| Rounded letters | 8 |
| Angular letters | 16 |
| Spaces at line ends | 10 |
| Fluent and sweeping handwriting | 17 |
| Lines go down | 9 |
| Wavy lines | 11 |

Using table 1, we analyzed types of handwriting and character traits, calculated the number of students and made table 2 to compare these results and make a conclusion.

Table 2 - Character traits of students in our class

|  |  |  |
| --- | --- | --- |
| Features of handwriting | Features of character | Number of students |
| Large, slight slope to the right | Sociable, energetic | 21 |
| Small | Discreet, prudent | 10 |
| Fluent, sweeping handwriting | Easy to navigate in unfamiliar surroundings. | 17 |
| Legible and neat | Calm, balanced, even in relationships | 8 |
| Letters are separated from each other. | Weak will | 6 |
| Fused letters | Good stress tolerance | 17 |
| Heavy pressure | Critical, prone to the manifestation of force | 10 |
| Spaces at the ends of lines | Careful | 10 |
| Fluent and sweeping | Cheerful, energetic (optimist) | 17 |
| Lines down | Constantly depressed (pessimist) | 7 |
| Strong tilt to the right | Purposeful and persistent, seeks to be first | 3 |
| Vertical letters | Stubborn, often analyzes the situation and only after making a decision | 8 |
| Rounded Letters | Kind and responsive | 8 |
| Angular letters | Selfish t, striving for independence | 16 |

Combining similar character traits, we have made a characteristic of the class. It turned out that in our class the main results are: communicative, energetic, self-confident - 84%, optimists - 68%, pessimists - 28%, balanced in relationships –32%, selfish –64%, stress-resistant –68%, stubborn –32%, responsive –32%.

Next, we decided to determine the percentage of reliability of the results using questionnaire and observation. Students were asked to write down the names of classmates with the same proposed qualities. The full information is located in the research application 1. In the table 3 below we can see total results of questionnaire.

Table 3 - Analysis of the questionnaire

|  |  |
| --- | --- |
| Features of character | Number of students |
| Sociable, energetic | 18 |
| Discreet, prudent | 14 |
| Easy to navigate in unfamiliar surroundings. | 17 |
| Calm, even in relationship, balanced | 16 |
| Weak will | 15 |
| Good stress tolerance | 20 |
| Critical, prone to the manifestation of force | 9 |
| Careful | 18 |
| Cheerful, energetic (optimist) | 13 |
| Constantly depressed (pessimist) | 12 |
| Sensitive and romantic nature, dream-tel | 14 |
| Independent, always has his point | 16 |
| Purposeful and persistent, seeks to be first | 13 |
| Stubborn | 14 |
| Emotional, sociable, leader and soul of the company | 13 |
| Creative, talented; wide soul | 13 |
| Rational and Thrifty | 15 |
| Kind and responsive | 19 |
| Selfish, striving for independence | 9 |
| Open in communication | 16 |

After comparing the obtained tables (Table 1 and Table 3) and information in the application 1, we found out the coincidences between character traits based on the questionnaire and handwriting features. The full information is shown in application 2. The total results are presented in the table 4:

Table 4 - The coincidence of questionnaire and handwriting

|  |  |  |
| --- | --- | --- |
| Handwriting features | Character traits | Number of coincidences |
| Large | Sociable, energetic, emotional | 11 |
| Small | Discreet, prudent | 4 |
| Picky and neat | Calm, balanced, even in relationships | 5 |
| Separated letters | Weak will | 4 |
| Fused letters | Good stress tolerance | 12 |
| Heavy pressure | Critical, prone to the manifestation of force | 3 |
| Fluent and sweeping | Cheerful, energetic (optimist) | 13 |
| Lines go down | Constantly depressed (pessimist) | 4 |
| Slight tilt to the right | Open in communication | 4 |
| Strong tilt to the right | Purposeful and persistent, seeks to be first | 1 |
| Vertical letters | Stubborn, often analyzes the situation and only after making a decision | 5 |
| Rounded Letters | Kind and responsive | 6 |
| Angular letters | Selfish, striving for independence | 6 |
| Spaces at the ends of lines | Careful | 6 |

Combining similar character traits, we have made a characteristic of the class. It turned out that in our class: communicative, energetic - 44%, optimists - 52%, pessimists - 16%, balanced in relations –20%, selfish –24%, stress-resistant –48%, stubborn –20%, responsive –24%.

Then we compare the percentage of character coincidence (based on the questionnaire) and handwriting. It turned out that the percentage of reliability of the results was following: communicative, energetic - 52%, optimists –77%, pessimists –57%, balanced in relations 63%, selfish –38%, stress-resistant –71%, stubborn - 63%, responsive –75%.

Thus, the **average reliability** of the results is 62%.

Then we decided to determine the percentage of coincidence based on the observations for each person and handwriting features, we compiled the following results. The full report is in application 3.

The coincidence results were: yes-14 people (56%), no-2 people (8%), partially -9 people (36%). In that way we can find these results rather high and reliable. Of course, we are not experienced graphologists, but if you want you can see a living person by handwriting.

# Conclusion

We checked and verified the reliability of the results of our research. It turned out that handwriting reflects a person’s character. The overall reliability of the results is above average.

In the end of our research, we have seen that handwriting is a reflection of our inner world, essence, character traits, temperament, attitude to the world and, of course, attitude to ourselves.

This study helped us to understand the nature of some classmates. After this research, we even looked at them and their character differently, and now we can explain their behavior and we can accept them as they are.

After this research, it is difficult to overestimate your handwriting and the ability to write carefully and diligently. You should remember this when you write a simple note.

# List of used resources

1. Inessa Goldberg Psychology of handwriting. AST, 2008.-256p.

2. Isaeva E.L. Practical graphology. How to find out the character of a person by handwriting. Ripol Classic, 2010.-256p.

3. Solomevich V.I. Pocherk and character. Harvest 2009.-640p.

4. Belov, N. V. Modern encyclopedia for boys: study guide / N. V. Belov. Contemporary writer, 1999. - 223 p.

5. Schegolev I. V. 16 personality types. The handwriting and character of a person: study guide / I. V. Schegolev. SPb.: Peter, 2007. -160 p.

6. http://www.excelion.ru/nauka-i-obrazovanie/psihologija/o-chem-mozhet-rasskazat-pocherk-.html

7. <http://blogs.mail.ru/mail/alex-dr.yakovlev/31A58B633A254C0F.html>

8. <https://psyfactor.org/lib/goldberg1.htm>

9.<https://cyberleninka.ru/journal/n/materialy-vserossiyskoy-nauchno-prakticheskoy-konferentsii-nauka-i-sotsium>

10. <https://4itaem.com/book/grafologiya_XXI_veka-421017>

# Application 1

Analysis of the questionnaire

|  |  |
| --- | --- |
| Features of character | Surnames |
| Sociable, energetic | Buzina, Alibekov, Trofimenko, Kolgichev, Mikheev, Yaroslavtsev, Stotyka, Kondratieva, Alenin, Tarasov, Dutov, Krylova, Asatryan, Merkulov, Murugova, Pepentseva, Agapova. |
| Discreet, prudent | Alenina, Nizharadze, Tarasov, Agapova, Pepenceva, Mikheev, Sorokina, Zubov, Poghosyan, Stotyka, Ibrahimova, Moldovan, Merkulov. |
| Easy to navigate in unfamiliar surroundings. | Buzina, Alibekova, Trofimenko, Kolgichev, Mikheev, Yaroslavtsev, Stotyka, Kondratieva, Tarasov, Dutov, Krylov, Merkulov, Murugova, Nizharadze, Pepentseva, Pechurkina, Moldovan. |
| Calm, even in relationship, balanced | Tarasov, Kolgichev, Pechurkina, Alenina, Krylova, Agapova, Rusanova, Ruslanova, Moldovan, Ibrahimova, Pepentseva, Poghosyan, Avanesyan, Alibekova, Malafeev, Stotyka. |
| Weak will | Asatryan, Kondratyeva, Pepentseva, Zubov, Kolgichev, Nizharadze, Merkulov, Seibert, Klopova, Sorokina, Alibekova, Yaroslavtsev, Ibragimova, Krylova, Mikheev. |
| Good stress tolerance | Seibert, Nizharadze, Zubov, Tarasov, Malafeev, Kondratieva, Stotyka, Kolgichev, Asatryan, Yaroslavtsev, Pechurkina, Pogosyan, Pepentseva, Avanesyan, Murugova, Moldovan, Merkulov, Ibragimova, Alibekova, Alenina. |
| Critical, prone to the manifestation of force | Moldovan. Merkulov, Zaybert, Yaroslavtsev, Alibekova, Malafeev, Trofimenko, Asatryan, Avanesyan |
| Careful | Zubov, Moldovan, Kolgichev, Alibekov, Pepentsev, Agapov, Klopov, Sorokin, Merkulov, Pechurkin, Nizharadze, Avanesyan, Alenina, Krylova, Ibrahimova, Stotykaa, Rusanova, Ruslanova. |
| Cheerful, energetic (optimist) | Zubov, Yaroslavtsev, Merkulov, Trofimenko, Tarasov, Krylova, Kondratieva, Seibert, Buzina, Mikheev, Stotyka, Avanesyan, Murugova. |
| Constantly depressed (pessimist) | Ibragimova, Zubov, Trofimenko, Klopova, Agapova, Alibekova, Sorokina, Alenina, Malafeev, Seibert, Asatryan, Kolgichev. |
| Sensitive and romantic nature, dream-tel | Sorokina, Stotyka, Ruslanova, Kondratieva, Murugov, Tarasov, Avanesyan, Pechurkina, Kolgichev, Pogosyan, Krylova, Agapova, Buzina, Merkulov. |
| Independent, always has his point | Yaroslavtsev, Tarasov, Zeibert, Murugov, Kondratieva, Alenina, Trofimenko, Agapova, Alibekova, Ibragimova, Dutova, Rusanova, Ruslanova, Buzina, Kolgichev, Avanesyan. |
| Purposeful and persistent, seeks to be first | Kondratieva, Agapova, Tarasov, Dutova, Rusanoav, Ruslanova, Krylova, Stotyka. Avanesyan, Yaroslavtsev, Trofimenko, Malafeev, Murugova. |
| Stubborn | Kondratieva, Asatryan, Tarasov, Agapova, Moldovan, Yaroslavtsev, Sorokina, Klopova, Avanesyan, Nizharadze, Stotyka, Mikheev, Merkulov, Krylova. |
| Emotional, sociable, leader and soul of the company | Buzina, Dutova, Yaroslavtsev, Murugova, Tarasov, Kondratieva, Alenina, Trofimenko, Krylova, Ruslanova, Nizharadze, Stotyka, Asatryan. |
| Creative, talented; wide soul | Klopova, Kondratieva, Murugova, Tarasov, Agapova, Pechurkina, Rusanova, Krylova, Alenina, Avanesyan, Trofimenko, Tarasov, Mikheev. |
| Rational and Thrifty | Moldovan, Tarasov, Kolgichev, Ibragimova, Pechurkina, Nizharadze, Avanesyan, Dutova, Murugova, Asatryan, Agapova, Yaroslavtsev, Krylova, Alenina, Pepenceva |
| Kind and helpful | Sorokina, Alenina, Yaroslavltsev, Nizharadze, Murugova, Tarasov, Stotyka, Buzina, Kondratieva, Krylova, Mikheev, Pechurkina, Rusanova, Ruslanova, Dutova, Moldovan, Kolgichev, Merkulov, Avanesyan. |
| Egoist, striving for independence | Krylova, Seibert, Merkulov, Ibragimova, Alibekova, Yaroslavtsev, Malafeev, Agapova, Klopova. |
| Open in communication | Pechurkina, Krylova, Yaroslavtsev, Murugova, Tarasov, Kolgichev, Trofimenko, Kondratieva, Alenina, Pepenzeva, Buzina, Dutova, Avanesyan, Nizharadze, Stotyka, Rusanova. |

# Application 2

The coincidence of the questionnaire and handwriting

|  |  |  |  |
| --- | --- | --- | --- |
| Handwriting features | Character traits | Coincidences | Number of students |
| Large | Sociable, energetic, emotional | Murugova, Krylova, Dutova, Merkulov, Yaroslavtsev, Tarasov, Alenina, Agapova, Atasryan E., Kondratieva K., Trofimenko T. | 11 |
| Small | Discreet, prudent | Pepentsev, Zubov, Sorokina, Stotyka. | 4 |
| Picky and neat | Calm, balanced, even in relationships | Stotyka, Agapova, Alibekova, Avanesyan, Ibragimova R. | 5 |
| Separated letters | Weak will | Pepentseva, Klopova, Yaroslavtsev, Kondratieva | 4 |
| Fused letters | Good stress tolerance | Murugova, Zubov, Nizharadze, Moldovan, Merkulov, Kolgichev, Tarasov, Alenina, Alibekova, Avanesyan, Ibragimova R., Zeibert E. | 12 |
| Heavy pressure | Critical, prone to the manifestation of force | Moldovan, Yaroslavtsev, Merkulov. | 3 |
| Fluent and sweeping handwriting | Cheerful, energetic (optimist) | Murugova D., Nizharadze E., Moldovan V., Krylova A., Yaroslavtsev G., Tarasov K., Alenina A., Stotyka E., Kolgichev A., Pepenceva E., Zaybert E., Atasryan E., Trofimenko T . | 13 |
| Lines go down | Constantly depressed (pessimist) | Agapova A., Alenina A., Alibekova A., Zubov G. | 4 |
| Slight tilt to the right | Open in communication | Murugova, Nizharadze, Kolgichev, Stotyka. | 4 |
| Strong tilt to the right | Purposeful and persistent, seeks to be first | Yaroslavtsev. | 1 |
| Vertical letters | Stubborn, often analyzes the situation and only after making a decision | Agapova, Klopova, Avanesyan, Krylova, Kondratieva | 5 |
| Rounded Letters | Kind and helpful | Murugova, Rusanova, Dutova, Kolgichev, Alenina, Avanesyan. | 6 |
| Angular letters | Egoist, striving for independence | Krylova, Merkulov, Alibekova, Yaroslavtsev, Klopova, Zeibert E. | 6 |
| Spaces at the end of lines | Careful | Zubov, Moldovan, Kolgichev, Agapova, Alenina, Alibekova. | 6 |

The coincidence of questionnaire and handwriting

# Application 3

Characteristics of students using handwriting and observations

|  |  |  |  |
| --- | --- | --- | --- |
| № | Name, Surame | Character traits  (by handwriting) | Coincidences (by observation) yes / no / partially |
| 1. | Avanesyan Marina | Calm, good stress tolerance, prone to the manifestation of force, cautious, cheerful, (optimistic), independent, open in communication, purposeful and persistent, creative, talented, rational, thrifty, kind. | YES |
| 2. | Agapova Alexandra | Sociable, restrained, calm, even in relationships, cautious, constantly in a depressed state (pessimist), sensitive and romantic, independent, purposeful, persistent, stubborn, often analyzes the situation and only after making a decision, creative, talented, rational and thrifty, selfish, seeking independence, does not like being told. | YES |
| 3. | Alenina Alexandra | Sociable, calm, even in relations, restrained, good stress tolerance, cautious, constantly in a depressed state (pessimist), independent, emotional, sociable, leader and soul of the company, rational and thrifty, kind, open in communication. | PARTIALLY |
| 4. | Alibekova Amina | Sociable, easy to navigate in an unfamiliar environment, calm, even in relationships, weak will, good stress tolerance, prone to the manifestation of force, cautious, constantly in a depressed state (pessimist), independent, always has his point of view, selfish, seeking independence. | YES |
| 5. | Dutova Vladislava | Sociable, easy to navigate in unfamiliar surroundings, emotional, sociable, the leader and soul of the company, rational and thrifty, kind, open in communication. | YES |
| 6. | Zubov Gleb | Restrained, weak will, good stress tolerance, cautious, vigorous, (optimist), constantly in a depressed state (pessimist). | YES |
| 7. | Klopova Anastasia | Cautious, stubborn, often analyzes the situation and only after making a decision, creative, talented, egoist, striving for independence, does not like being told, constantly in a depressed state (pessimist). | YES |
| 8. | Kolgichev Artemy | Sociable, easy to navigate in unfamiliar surroundings, calm, even in relationships, balanced, weak will, good stress tolerance, cautious, sensitive and romantic nature, unhurried, rational and thrifty, kind, open in communication. | NO |
| 9. | Krylova Alexandra | Sociable, energetic, easy to navigate in unfamiliar surroundings, calm, even in relationships, weak will, cheerful, (optimist), sensitive and romantic nature, purposeful, stubborn. | PARTIALLY |
| 10. | Ignat Merkulov | Sociable, energetic, discreet, prudent, easily oriented in unfamiliar surroundings, weak will, good stress tolerance, prone to the manifestation of force, cheerful, energetic (optimist), sensitive and romantic nature, a dreamer, stubborn, often analyzes the situation and only after making a decision. | NO |
| 11. | Moldovan Veronica | Restrained, prudent, easy to navigate in an unfamiliar environment, good stress resistance, critical, stubborn. | PARTIALLY |
| 12 | Murugova Daria | Sociable, energetic, good stress tolerance, vigorous (optimist), sensitive and romantic nature, emotional, sociable, creative, talented, rational, thrifty, kind. | YES |
| 13. | Nizharadze Elena | Restrained, prudent, easily oriented in an unfamiliar environment, weak will, good stress tolerance, cautious, stubborn, emotional, sociable, rational and thrifty, kind. | PARTIALLY |
| 14. | Pepentseva Elizabeth | Sociable, energetic, restrained, prudent, easy to navigate in an unfamiliar environment, calm, weak will, good stress tolerance, careful, rational and thrifty, open in communication. | PARTIALLY |
| 15. | Rusanova Victoria | Calm, smooth in relations, independent, always has its own point of view, creative, talented, broad-minded, kind. | YES |
| 16. | Ruslanova Valeria | Calm, smooth in relationships, cautious, sensitive and romantic nature, a dreamer, independent, emotional, sociable, leader and soul of the company, always has his point of view, kind. | YES |
| 17 | Sorokina Catherine | Restrained, prudent, weak will, cautious, constantly in a depressed state (pessimist), a sensitive and romantic nature, stubborn, kind. | YES |
| 18. | Stotyka Elizabeth | Sociable, energetic, restrained, prudent, easily oriented in an unfamiliar environment, calm, good stress tolerance, cautious, vigorous (optimist), sensitive and romantic nature, purposeful and persistent, stubborn, emotional, sociable, kind, open in communication. | YES |
| 19. | Tarasov Kirill | Sociable, energetic, discreet, prudent, easily oriented in unfamiliar surroundings, cheerful (optimist), sensitive and romantic nature, independent, purposeful, stubborn, emotional, creative, talented, rational, thrifty, open in communication. | YES |
| 20. | Yaroslavtsev German | Sociable, energetic, easy to navigate in an unfamiliar environment, weak will, good stress tolerance, critical, vigorous (optimist), independent, purposeful, stubborn, rational, thrifty, kind, selfish, open in communication. | PARTIALLY |
| 21 | Ibrahimova Rusal | Restrained, prudent, calm, even in relationships, balanced, weak will, constantly in a depressed state (pessimist), cautious, rational and thrifty, selfish, striving for independence, dislikes when she is told | PARTIALLY |
| 22 | Asatryan Eric | Sociable, energetic, good stress tolerance, critical, prone to manifestation of force, constantly in a depressed state (pessimist), stubborn, often analyzes the situation and only after making a decision, emotional, sociable, leader and soul of the company, rational and thrifty | PARTIALLY |
| 23 | Trofimenko Tanya | Sociable, easy to navigate in an unfamiliar setting, critical, cheerful, energetic (optimist), independent, persistent, emotional, creative, open in communication | YES |
| 24 | Kondratieva Katya | Sociable, easy to navigate in unfamiliar surroundings, weak will, good stress tolerance, vigorous, energetic (optimistic), purposeful, emotional, independent | YES |
| 25 | Zaibert Eldar | Discreet, prudent, good stress tolerance, sociable, energetic, vigorous, energetic (optimist), subject to change of mood, unresponsive | PARTIALLY |

Coincidences (by observation)