

## TAKING INTO ACCOUNT THE PSYCHOLOGICAL CAPABILITIES OF A PERSON IN THE TEACHING OF TECHNICAL SCIENCES

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ABSTRACT	KEYWORDS
This article is devoted to studying the subtleties of reaction instructions and responses of the human brain in the educational process. And scientific conclusions and results of observations and experiments obtained as a result of monitoring the dependence of the speed of a person's ability to read and sleep on personal characteristics and characteristics of the educational environment are presented.	Optimal reaction time, response time, reaction model, mental opportunity, reaction to a note, mental reaction, response, mental observation, critical analysis.

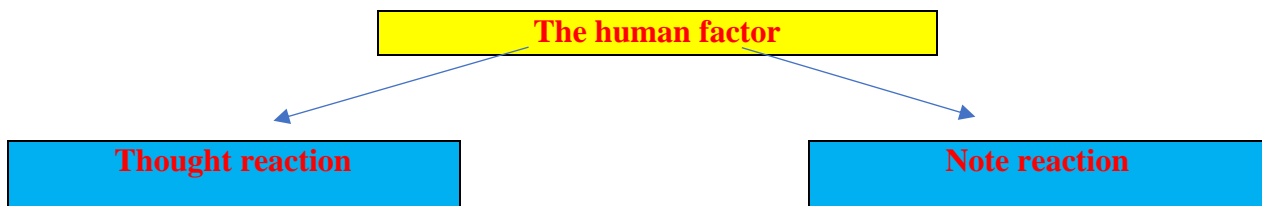
### Introduction

One of the important aspects of mastering engineering sciences is evaluated by the attention of the human factor to the external environment and the reality of the response. Now, based on the results of long-term observations, a comprehensive study of this issue is focused on defining the perspectives of observations dedicated to finding solutions to a number of problematic issues that have yet to be answered.

Before starting the analysis of thoughts and the processes related to them, we consider it necessary to have information about the capabilities of a person in this direction. If you ask the students if they know the capabilities of a person, the answer is likely to be ambiguous. The student, as a free will, does not know about his personal reserves, nor about the possibilities of the individual in general. All this interferes and slows down the work on oneself, improvement of personal qualities, it is self - he makes the mistake of thinking that it will appear by itself.

Scientists unanimously believe that each person has an average equivalent set of abilities that exist in the body in the form of predispositions. The range of these inclinations is so wide and the number of different specialties is so great that almost everyone can find their calling.

Scheme #1



In this regard, we can safely say that there are no mediocre people, but there are people who do not do their job. Each person has a truly great potential inherent in his nature.

An example of this is memory, in which case it is difficult to imagine human life at all. If there was no memory, a person would not have knowledge, would not have the appearance of labor, would not be sick. It would be impossible without memory.

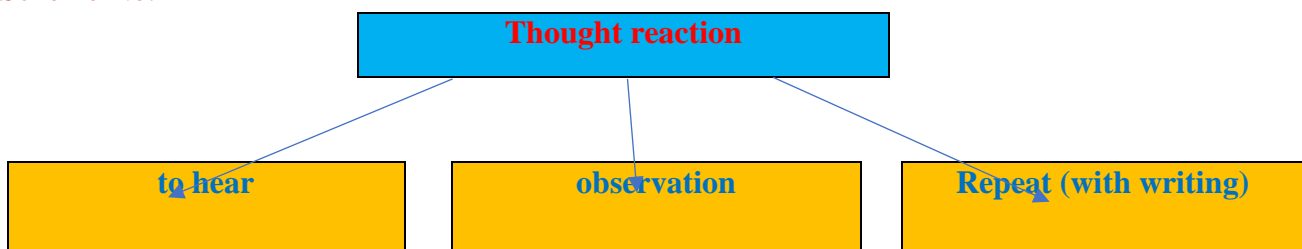
History knows many people who have an amazing memory, either taken as a gift of nature or developed through training. For example, historical facts testify that the great encyclopedist scholars Muhammad al-Khorazmi, Abu Rayhan Beruni, Abu Ali Ibn Sina did not forget what they heard for decades, or the composer MA Balakirev accurately repeated the melody of PI Tchaikovsky heard two years ago.

It is said that the great general Amir Temur knew all the soldiers of his two hundred thousand army by sight.

The famous Soviet scientist AFioffe used a table of logarithms from memory. Academician SACHaplygin remembers the numbers of all the phones he used .

The above examples show memory as a gift of nature to man, but those who do not have such a wonderful innate memory should not despair. If you have strong willpower, any person can significantly improve his memory, thinking, etc., by systematic work on himself.

Scheme No. 2



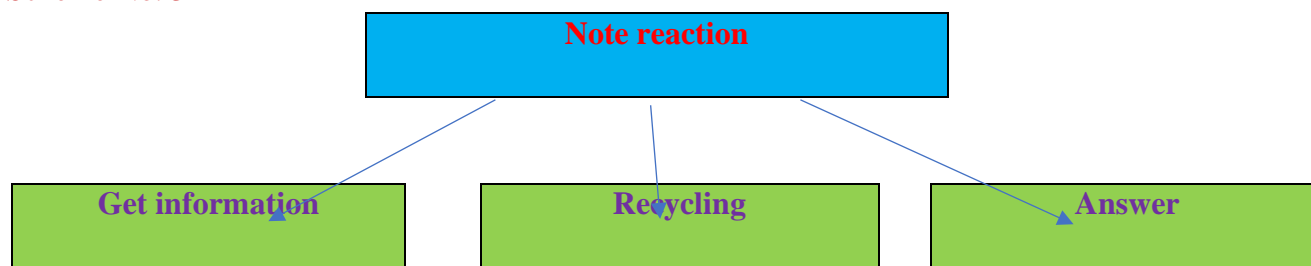
Among other human faculties, our emotions also attract attention. American scientists have discovered that in the human nasal cavity, microparticles from the blood accumulate, with the help of which people can receive the Earth's magnetic field lines, for example, when birds migrate over long distances. However, people do not use this device and therefore its sensitivity is significantly blurred.

But if a person often needs to use this or that analyzer, then the development of this analyzer reaches great heights. For example, master grinders can see gaps of 0.6 microns, while the average person can see gaps of 10 microns.

Experienced textile workers distinguish up to 100 shades of black. Artists notice deviations when the ratio of compared objects does not exceed 0.006 of their size.

The above examples clearly prove the inexhaustible potential of man, which is fully revealed by those who believe in him, who strive to develop him and who do this through tireless, systematic work.

## Scheme No. 3



It should be remembered that a person can improve the potential of his existence, and even enrich it, which helps with the plasticity of high nervous activity. I.P. Pavlov wrote: "The most important, strongest and most lasting impression of the higher nervous system is the learning of movement...it is the extreme plasticity of activity, its great power: nothing remains flexible, and everything is always it can if achieved, good results will be changed if the relevant conditions are fulfilled".

The sooner a person starts working on himself, the more successful he will be in developing his organs and personality, because the younger the organism, the higher its plasticity (ability to change and develop). But we must not forget that it is never too late to start working on yourself and achieve great success. Talents and abilities in the field of a certain activity, science or art can manifest themselves and develop both in adolescence and in adulthood. This should serve as an incentive for self-improvement at any time.

The natural scientist Edison said about this:

"Genius is 1% inspiration and 99% perspiration." This was proved by the Greek orator Demosthenes, who had a weak speech (burr) and a very weak voice. However, his tenacity, determination and tenacity allowed him not only to perfect the technique of public speaking, but also to develop his voice and overcome his duty. Demosthenes tried to drown out the noise of the sea by reading poetry for hours on the seashore. To get rid of the burr, he practiced putting small stones in his mouth for many years. As a result, Demosthenes became one of the most famous orators of Ancient Greece.

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