

PROSPECTS OF THE MIND-MAP METHOD IN IMPROVING THE EFFECTIVENESS OF PHYSICS EDUCATION

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Perspectives of the intelligent Cart Method in increasing the Efficiency of Physical Education

There are opportunities to improve the quality of education through the use of the intel-card method in teaching physics

Keywords and concepts: electromagnetic induction, magnetic field, intel-card, radiant thinking, person, competence, the brain, innovation.

Перспективы интеллектуального карточного метода в повышении эффективности физического воспитания

Существуют возможности для повышения качества образования за счет использования метода intel-card в преподавании физики.

Ключевые слова и понятия: Электромагнитная индукция, магнитный поток, интеллект-карта, лучезарное мышление, личность, компетенции, мозговой, инновации.

The mind map, developed by the English psychologist Tony Buzin, is a revolutionary methodology that has entered education. It encompasses all of a person's mental abilities - speech, images, numbers, logic, rhythm, color, spatial perception. It can be used for any purpose: it helps to think clearly, clearly, creatively, and originally. It also allows you to solve problems and make confident decisions. [1,2].¹

The Intellect Map is a graphic representation of radiant thinking and is also a natural product of the human brain. This graphic method is a universal key to unlocking the hidden

¹ Тони Бьюзен и Барри Бьюзен.Т. Бьюзеню и др. Интеллект-карты Супермышление / Пер.сангл.Е.А.Самсонов; Мн.: ООО «Попурри», 2018

² Т. Бьюзен и др. Интеллект-карты. Практическое руководство. Попурри 2010. 368 ст.

potential of the brain. This method can be used in any area of life. The Intellect Map has 4 important features: a) the object of attention (study is concentrated in the central image); b) the main topics associated with the object of attention branch out from the central image; c) networks are in the form of straight lines, explained through keywords or images, secondary ideas are also depicted in the form of networks, radiating from a higher-order network; d) networks form a system of interconnected nodes.

The quality of the intellect card can be described by color, pictures, and coded expressions. In general, the intellect card serves to effectively store information in the brain. The following pictures 1) and 2) show a picture of radiant thinking and the intellect card.



Figure 1. Radiant thinking view.



Figure 2. A combined image of the Radiant Thinking and Intellect cards.

The function of the mind-map method is shown in the figure below.

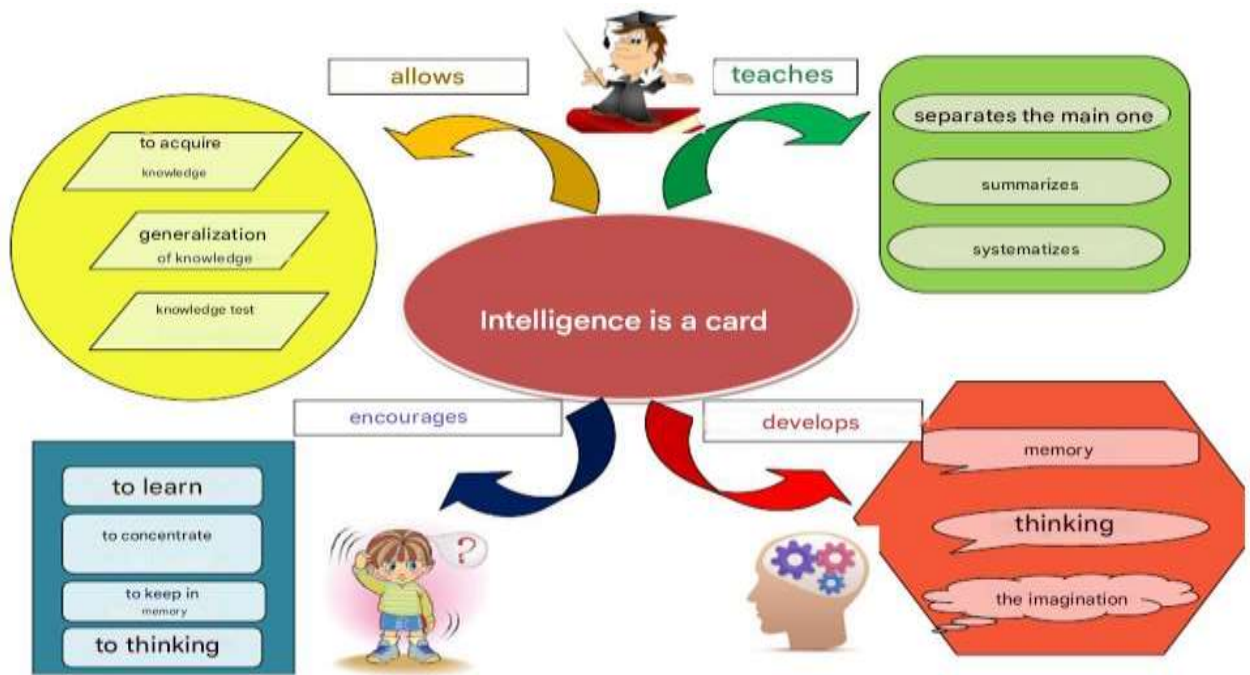


Figure 3. The function of the intelligence card

Let's look at examples of teaching physics using the mind-card method. The figure below shows the mind-card method in teaching the topic "Electromagnetic Induction".

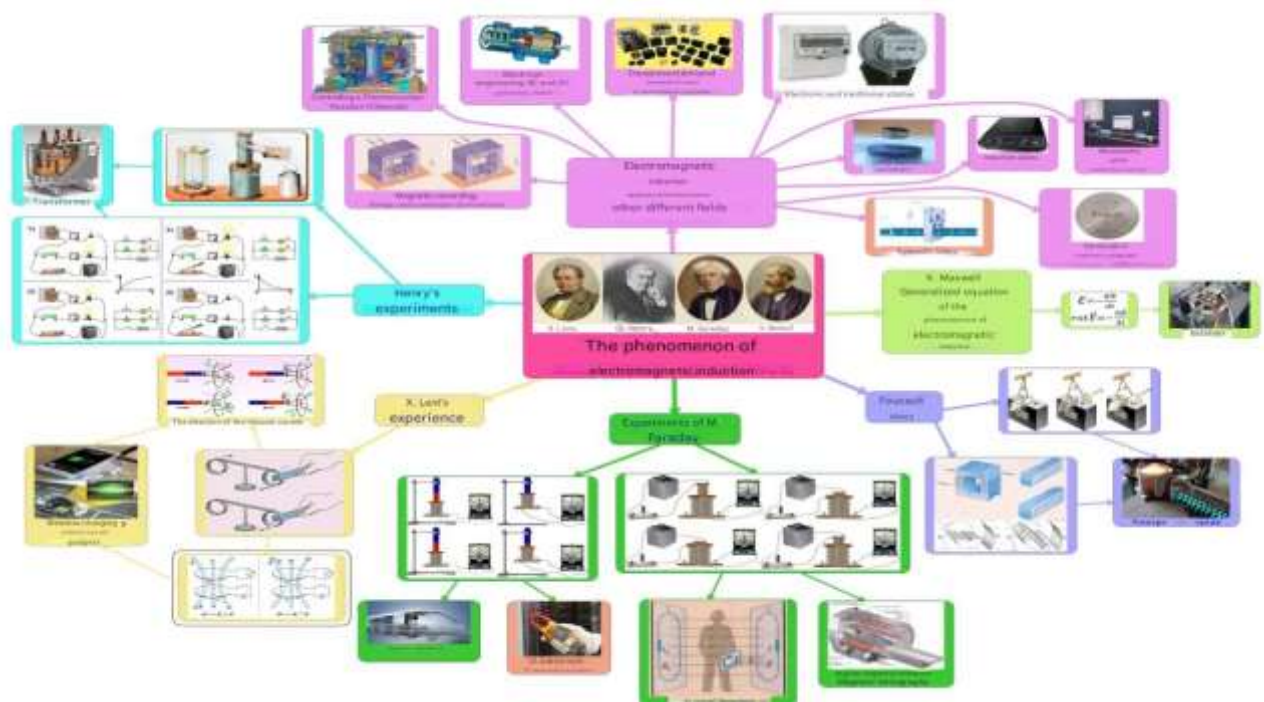
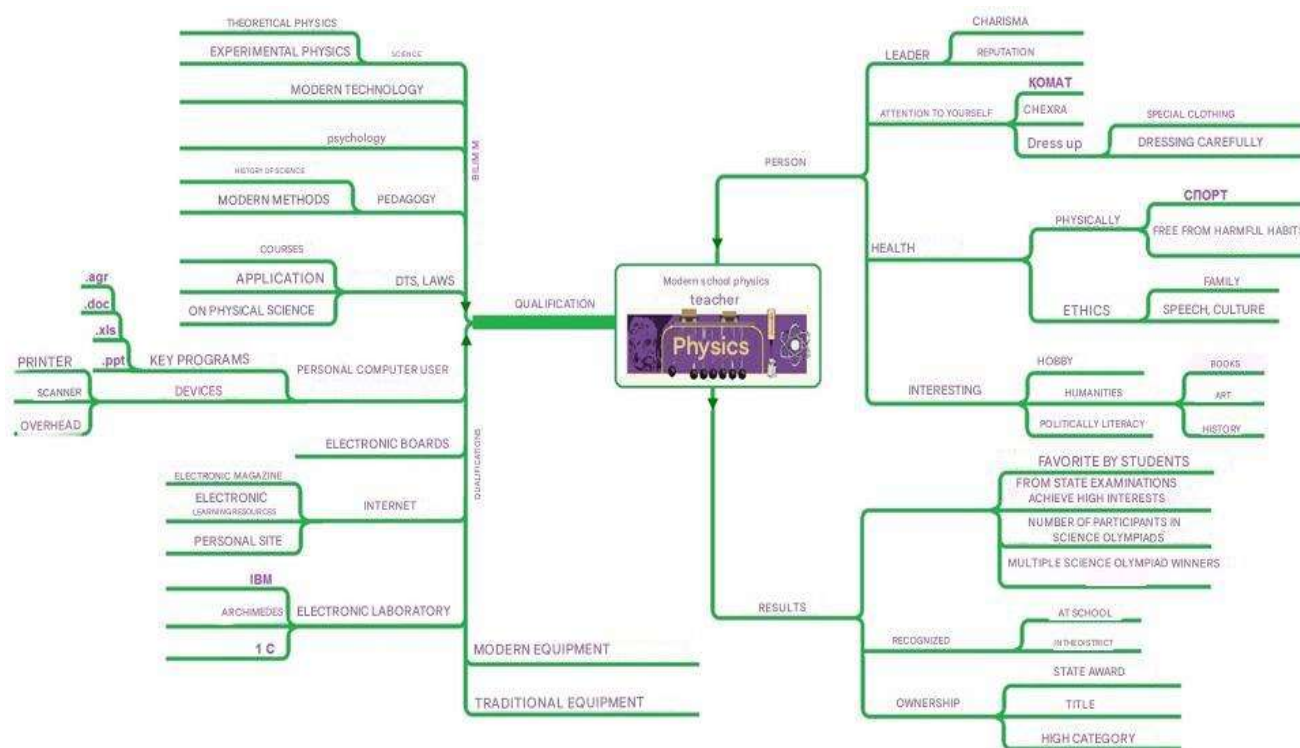


Figure 4. The intellect-card method in teaching the topic "Electromagnetic Induction".
Also, the work developed a card "Requirements for a modern physics teacher" using the intellect-card method.



In conclusion, it can be said that the mind-card method has many advantages over traditional technology [3].

When teaching using the mind-card method, the time spent on studying the subject is significantly reduced, allowing you to avoid writing a synopsis.

It encourages you to focus on solving important problems.

Key words are perceived very clearly, and since they are connected with each other by clear and obvious associations, the brain accepts a multi-colored mind card better than information of the same color.

In all areas, creating a mind-card leads to the creation of many discoveries.

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