

# Gadget — not a hindrance, but a means of learning

Says Natalia Stepanchikova of pedagogical Sciences, head of Department of qualification of teachers Teach.ru.

## More on this topic:

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Every parent thought about the question: which tablet to choose for your child. But not all ask yourself, what age can you start to use it. Giving children access to a smartphone or tablet nowadays of course, but it should be rational and measured. Gadgets are, on the one hand, a toy, and on the other by means of development. And children develop in that direction, which they offer to developers of interactive applications.

## Why tablets are so attractive to children?

A tablet attractive as they carry the satisfaction of the needs in the game. Vivid visualization, expressive images, the change of scenery, the mobility of objects, the ability to interact with the characters and shaped models captivate the child and stimulate cognitive activity. Thinking in the preschool period is evident and practical and only then to visual-figurative moves .

Source: Pexels

## At what age to start using them?

To start using the tablet the best in 4-5 years, although many children today are acquainted with him much earlier. It's not terrible, if communication with a device regulated by adults. Before giving up time, you need to think for what purpose we do it. Parents should decide for themselves how long to allow the child to use the gadget, why, and for how long. It is very important that there be complete agreement between all family members about these rules.

In any case it is impossible to put the gadget to the child to ensure that he does not interfere. Unregulated use of gadgets is harmful. A child on a subconscious level to feel their uselessness for parents. And then the tablet will replace him.

Source: shutterstock.com

This is the most dangerous scenario, which generates the child's dependence.

Even if you gave a gadget to a child to hand, chat with him!

Find out what he's looking at what's playing, why he likes one or the other game what was this game like, etc. Try to choose to recommend the content and educational. Well, of course, the tablet should not take all the free time of the child. Any gadget as an alternative should be offered other types of activities.

For older children smartphones play a more prominent role. They help to adapt to society through social networks and instant messengers. But, again, the adult should advise the child that it is good for, will help in education, development of intelligence and personal qualities.

Communication via instant messengers is the same communication, but in a different form. And here the culture of speech has not been canceled .

Children should be taught to write SMS, to contact the interviewee in a polite manner, to take into account status, gender, age of the interlocutor of the conditions and the situation in which communication occurs.

Source: Pinterest

## To ban for whatever reason, and explain?

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I liked the case which I recently watched on the plane. The father told the sons, twins of about ten, on the proper use of smartphone and its alternatives. The boys said that they would fly the plane and play games.

Father told them that, firstly, it is impossible on the rise on the electronic equipment, and secondly, it would be better to read the book. Better reading develops the intellect, as will involve other brain structures whose development is then more positive impact on learning. So the father tried to explain to the children that the thinking processes that aktiviziruyutsya when reading the book, at the moment has higher priority than the game on the tablet.

Source: Pinterest

I first heard that the parents explained to the child that while reading, the brain performs very different operations than those which he does during the games.

It was quite understandable explanation. The children, And he heeded. Here we must add that reading book is undoubtedly a useful exercise, but some educational and interactive programs designed with educational, developmental objectives and develop only with the help of technology, have a positive impact on the child.

If the parents all the time talking to the kids and try to explain your actions, then listen to their opinions. In the future children in a situation of choice ask yourself: why is this better, why is more profitable or advantageous to do so?

## **The consequences of a complete ban gadgets for a child?**

### **It might be interesting:**

Why the video thinking it's not a disaster

The more you prohibit, the more you want. A reasonable explanation and a clear answer to the question "why not?" are the best tools in the fight against the bans. Many parents do not think that the child should be encouraged to answer the question "why not?". Parents often operate on the principle "Impossible. And to the point!". A sensible explanation children do not receive.

"Why not? Another, but I do not..."

Parents should be able to find words that would do the child sunk into the soul, and deposited in the memory. The child in the process of explanation will understand that the parent is not just prohibited, but cares about its development and wishes him good later in life.

Source: Pinterest

Cooperation with the child — the most efficient way to control its behavior.

The most effective method is when the parents ask the child to ask myself why he something forbidden. "How would you answer this question?" This is the art of talking to a child. The conversation occurs So. If the child feels indifferent attitude to yourself, on a subconscious level, he concludes: "take care of me, love me, I need their parents, they are interested with me".

## **How much time a child can spend with the tablet?**

Unfortunately, there are not many studies that would show the exact percentage of positive and negative impact of electronic devices on the health and development of children of different ages. Tablets are used every day around the world and, if they were really dangerous they would be banned.

If we turn to the most stringent Russian sanitary-epidemiological norms which are stated for pre-school educational institutions, in their article on the use of electronic products for the little ones there. But we know that already in kindergartens, teachers use computer, interactive whiteboard, multimedia projector.

Source: Pexels

We hope that the following Sanitary for preschoolers such norms still appear.

As for primary schools, in Sanping 2010 indicated how much time the child can interact with electronic products. Answer — no more than 15-20 minutes continuously. But how many times in a lesson, you can use these items with the break — at the discretion of the teacher. Therefore, the main advice — take regular breaks and to monitor the fatigue of the child.

## **What is the use of tablets and smartphones?**

Hypertext as Education

Gadgets useful, if the "filling" has on a child's developmental and educational impact. What laid inside (games, learning programs, books), has a positive effect on the development of thinking skills of the child develops figurative and visual memory, auditory memory, emotional sphere in the same way as regular books and Board games.

The advantages of gadgets that all in them clearly, vividly, dynamic, exciting. Often the child feels directly the hero of the events occurring on the

screen, he believes in what is happening, as once we believed in fairy tales from books. And it is justified psychologically .

Source: Pexels

However, we must note that the high mobility and turnover events can sometimes have a negative impact.

For example — to irritate, to cause negative emotions, to awaken fears. Children Psyche is not fully grown, so we always talk about the dosing device usage. Carefully need to give the tablets to children with special needs: children with syndrome of hyperactivity, children with poor health, who tend to get tired quickly.

Notice that the gadgets do not always contribute to the development of system thinking in children. A quick leap from button to button, switching from one fragment to another forms a so-called fragmented or "push the thinking" — also called discrete. But when it comes to interacting with educational product, here, on the contrary, no system of thinking can not do.

## **As a platform to Teach.ru develops a child's thinking?**

Interactive courses "Teach.ru" lined up curriculum, which refers to the Federal state educational standard. It provided a smooth transition from figurative to abstract-logical thinking.

First, the child learns mathematical operations on the objects that surround him in life. Then instead of items items-substitutes are being used — cubes, beads, beads. All this helps to visually represent a mathematical situation or mathematical problem. At a higher level of abstraction there are signs and symbols that are embodied in the figures, formulas, graphs, charts, diagrams and drawings.

When a child is identified, for example, four ball 4 — this is the first transition to abstraction.

Remember, like Malvina and Pinocchio? Malvina tells him: "Imagine that someone gave you two apples". And Pinocchio says: "I have two apples and no one gave!". This is an example of concrete thinking. Pinocchio is not able to represent the situation mentally. First graders have difficulty doing it too. So first teach them to count in candy and apples, then dice, counting sticks. And then acquaint with numbers, mathematical expression and comparison signs.

For research psychologists, the transition from visual-active, visual, and imaginative thinking to abstract-logical starts about 6-7 years, at a time when a child comes to school. This is the most comfortable time for exploring training programs and interactive platform "Teach.ru".

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Let the tablet your child will study mathematics, Russian language, or the world. So it will benefit more than questionable aggressive play.