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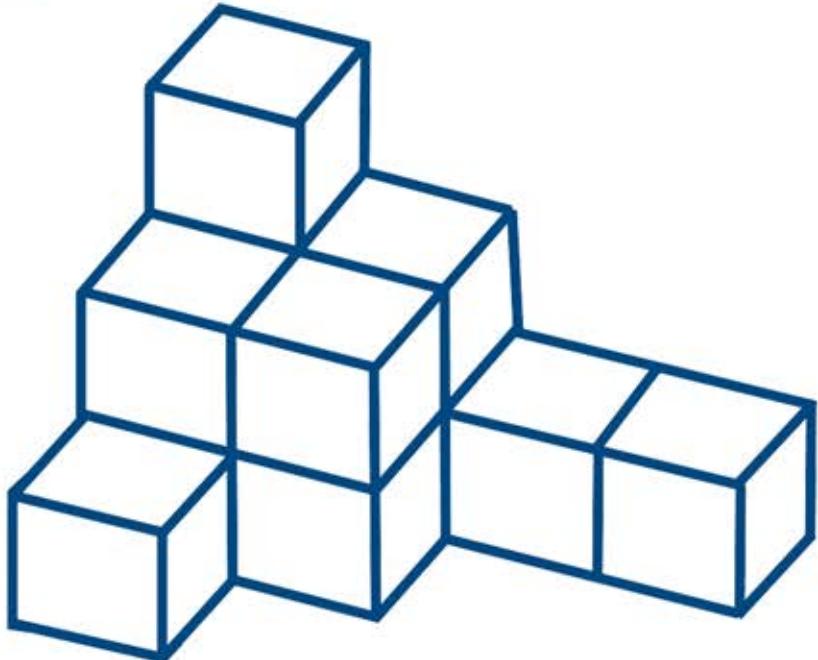


EDDIE



Mathematics

Hover your phone's camera over the illustration,
while using Eddie on your smartphone.



Example exercise:

Count how many cubes
this shape contains! (glue
wasn't used at the time
when the model was
made)

- a) 8 pcs
- b) 9 pcs
- c) 10 pcs
- d) 12 pcs

With the help of the application, we are able to see the shape
from different viewpoints as well, not just only one.

And with the help of augmented reality, finally the 3D object becomes
picturesque.

In mathematics the most interesting topic is geometry, although for many students it gives hard time to understand the difference between a 2D and a 3D shapes.

With the next version of Eddie the student will be able to disassemble the cubes, and this way the "hidden" parts will appear as well, and it will make it more interactive also.

This logic challenges the young student's thinking in space, but because of its difficulties, the schools use it as an exercise on competitions.



Mathematics

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Students usually don't see the practical use of a subject, especially in mathematics. With realistic illustrations, Eddie can help here as well.

With the help of augmented reality the students can understand the concept of deepness more easily, and makes it more enjoyable to solve the exercise.

If we know that the circular pool's deepness is 1,5 meters and the radius is 2 meters, then how much water could we pour into the pool, without overflowing?

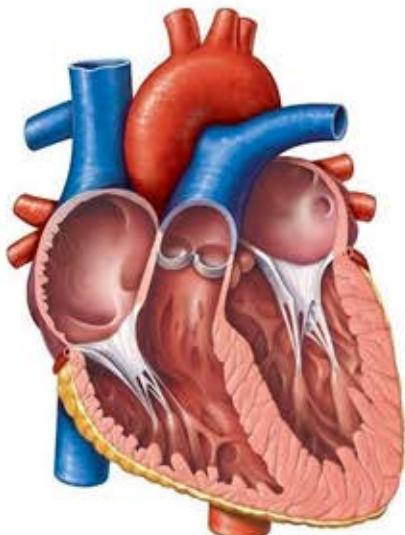
In the next version of Eddie, the students will be able to interactively change the water level, and check the right answers.

If we start filling it exactly at 12:15 pm, and we know that in 11 minutes 1 cubic meter water goes through the pipe, then how much time do we need to fill $\frac{3}{4}$ of the pool?



Biology

Hover your phone's camera over the illustration,
while using Eddie on your smartphone.



*Have you ever seen a human heart?
(not on picture)*

The biology books are crowded with interesting pictures, but the illustrations are flat. The heart chambers' connection would be more understandable in augmented reality for the students.

The more wealthier schools have their own skeletons, but it's not common that someone has their own at home.

Next to the many useful attributes, maybe here is the most obvious the fun side of Eddie. The students will open the book to read the topic, just to try out how a skeleton looks like in augmented reality.



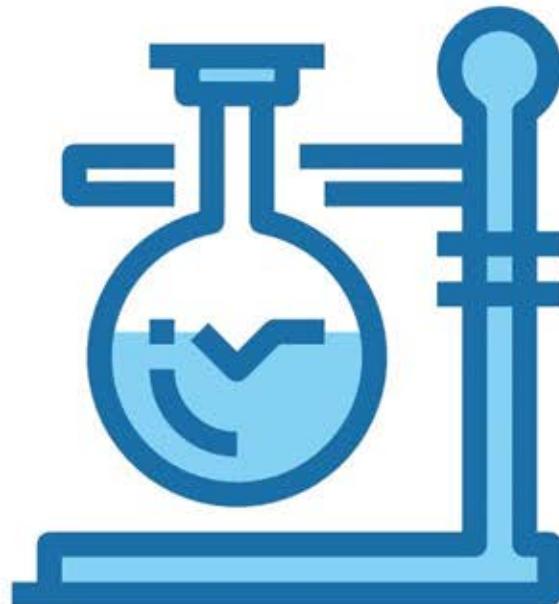
Chemistry

Hover your phone's camera over the illustration,
while using Eddie on your smartphone.

On the first classes of chemistry the students usually have to learn the chemical tools. They have to learn it alone at home from books, but on the test they have to recognise the actual tools.

Wouldn't it be better if they would have had their own chemistry lab at home?

In the next version of Eddie the users will be able to move the tools in the chemistry lab. They will be able to view the items separately, move them around, making the learning more fun.



History

Hover your phone's camera over the illustration,
while using Eddie on your smartphone.

The pictures in history books usually don't give back the complexity of the technologies at that time, because of the image quality.

The detailed 3D models give solution for this as well, and the visuals are not accustomed either.



History is the biggest challenge for the teachers, to not make the students only cram the subject. In many learning advices we can read about the fact, that if we could connect the data to an interesting or exciting thing, then it will stick more into our brain, and we can bring it back after years.



For example you can watch an animation about the battle in Senta (in Eddie's next version), and we would rather watch it than just cram it.

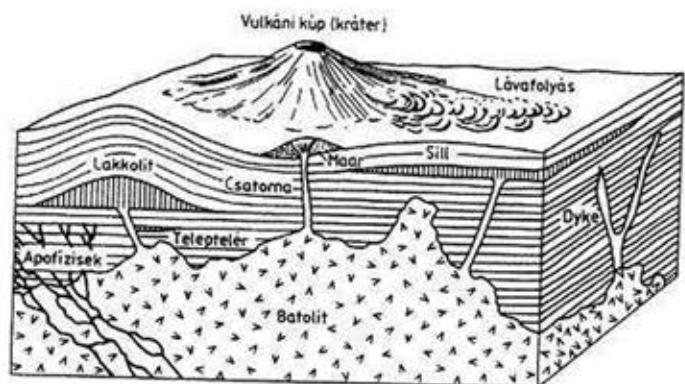


Geometry

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Geography is a really spectacular subject if it's held in a park. But often, for the sake of easy understanding the book creators have to use simple illustrations.

The shown rock layer illustration is understandable, but it could be more interesting with colours and textures. But in a drawing like this that would make it less separable, but what if we look at it in augmented reality?



A plutonizmus és a vulkanizmus kapcsolata



With the help of augmented reality we are able to take a trip through space, and a globe will be always with you.



Physics

Hover your phone's camera over the illustration,
while using Eddie on your smartphone.

Just as in chemistry, experimentation in physics are so interesting.

The schools' tools are usually not usable, and next to the many topics,
the students have no time for experimentations.

With the help of Eddie, anyone's book can be transformed to a classroom,
and this guarantees, that the student will open the book at home.

*In the next version of Eddie the users will
be able to move the tools on the
"physics table". They will be able to view the
items separately, move them around,
making the learning more fun.*





More information:

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