

Scientists from Cádiz fight school failure turning maths into a game

LOCATION: Tarifa (Cádiz)

DURATION: 1'40"

SUMMARY: Researchers of the University of Cádiz have developed software that using games helps children that may present problems understanding maths. This program is aimed at children among 4 and 7 years old. This games not just help them improving their skill, they also detects gaps in their learning, offering the teacher a tool end with them as soon as possible. Detecting this in an early age is very important as if this problem isn't fixed soon, this may be a cause of school failure.

VTR:

Just aged 5, Hugo is able to do something hard to believe, he is having fun while he studies maths. He plays with a program designed by researchers of the University of Cádiz, aimed at children that may have difficulties with this subject.

ANTONIO MIGUEL ARAUJO
Researcher of the University
of Cádiz

"They are games, a series of more ludic activities, with drawings, with images, with sound that motivate them, that reinforce them when they do something right."

ISABEL MIGUEL
Primary teacher

"Usually the only way to teach children is through game; children just retain information in a ludic way, advancing little by little without realizing it. Groups of activities related with this skill are the ones we want to work with."

Games that teach but that are also able to detect if the kid has learning problems.

ANTONIO MIGUEL ARAUJO
Researcher of the University
of Cádiz

"What we intend is to detect, get to know, give teachers tools that let them know what kid don't have what is necessary to learn mathematic in an early age."

The program is aimed at children among 4 and 7 years old, a very important age that will determine their future in school.

MANUEL RUIZ
Director of the Primary
School

"The consequence of a child presenting learning problems and that these problems aren't detected and treated, is ending up in school failure."

A project that is still in beta phase and that has been tested in one thousand five hundred students of the province of Cádiz. An alliance with informatics that may achieve what may seem impossible, that children like maths.