



# COMPUTER CLASSES WITH ADDED EDUCATIONAL VALUE

The International School of San Salvador  
implemented TBox curriculum to  
teach students



COLEGIO INTERNACIONAL  
DE SAN SALVADOR

## Overview

About 23 years ago, the **International School of San Salvador** (CISS) principal sought to integrate technological learning and modern teaching methods into the school's curriculum—encountering Futurekids, now called TBox.

The school specifically selected the TBox curriculum because the study plan met their goal of:

Following a well-structured yet still flexible curriculum

Teaching top-notch computer skills

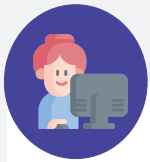
Providing students access to the latest technology and modern materials

Applying state-of-the art teaching methods

## TBox as a gateway to technology-based learning

The International School of San Salvador has a long tradition of putting students' learning achievements at the heart of the teaching approach. The school's primary educational goal is to provide children and adolescents (K-1 to K-12) with knowledge and capabilities they can use inside as well as outside the classroom. Following the principles of **Bloom's taxonomy** (a framework for categorizing educational objectives), learning by doing is at the core of the school's teaching approach.

When they evaluated their current computer classes, the school's educators recognized the need to provide a structured curriculum geared toward the future job market, as part of their success they highlight the following:



*The principal chose to implement the TBox curriculum because it allows learners to develop their own projects as part of their lessons. In those projects, the students use technology tools such as animation, 3D printing, spreadsheets or excel and the internet to investigate and solve real-world issues over several weeks or months.*

After working with the TBox curriculum for over 23 years, the school recognized the student's immense learning progress in computer classes, proving the curriculum's success. In educational science, this learning by doing approach is often referred to as **project-based learning**.

## Two examples of TBox projects

The annual school food fair. High school 10th graders organize an annual food fair. By developing a budget with Excel, designing invitation cards, marketing products such as brochures and flyers, and creating presentations for the final food fair, the young adults learn how to integrate different skills and techniques to produce an entire event, from planning to conducting to closing.

Re-creating landscapes with drones and 3D animations. Students recreate and design monumental landscapes and architecture with robotics and drones. The learners program 3D figures of monuments such as the China Great Wall or the Pyramids of Gizeh from scratch and print those figures with 3D printing machines.

## Reports

CISS reports their students have gained a variety of skills throughout the years:



Working in teams



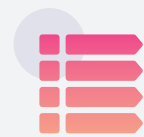
Organization and planning



Meeting deadlines



Time management



Following step-by-step instructions



Ability to self-study



Creativity



Thinking "outside-the-box"



Analyzing abstract problems



Solving real-world issues

## All about working with the TBox team

As TBox keeps the curriculum updated, the CISS integrates the newest technologies, up-to-date knowledge content, and modern learning approaches into the student's daily learning processes.

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*What convinced us of following the TBox curriculum for more than twenty years is the innovation and flexibility TBox allows us. We make suggestions or ask questions, and TBox provides us with different options and solutions, all the time.*

*Jorgelina Giammattei (School principal)*

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Throughout their collaboration, the TBox team guided the CISS teachers and school staff through the technical and programmatic material. Teachers could also draw on a variety of resources, such as workshops, videos, youtube channels, TBox workshops, and guidelines to understand the methodology of the TBox curriculum better. Against this background, CISS the students' parents highly appreciate the fast and encompassing support tools TBox offers in case of questions or technical issues, with phone and email contact options.

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*TBox offers a variety of educational opportunities. The curriculum focuses on teaching advanced technological skills, useful general knowledge, and socio-emotional abilities simultaneously. With this colorful compilation of tasks, building blocks, and tools, there's something for everyone's different tastes, interests, and skills.*

*Jorgelina Giammattei (School Principal)*

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Jorgelina graduated from CISS in 1991 and decided to study Psychology at the Universidad Centroamericana José Simeón Cañas (UCA). She graduated with a Psychology Degree in 1997, obtained a Master in Education from Framingham College in 2002, and received a certificate in School Administration in 2011. Since 1998, she worked for CISS as the school counselor, psychology teacher for high school, and college advisor. In August 2010, Jorgelina became the Head of Secondary School.

Founded in 1979, **International School of San Salvador** is a privately-owned educational institution that serves pre-kindergarten students through twelfth grade. The International School is accredited by the Salvadoran Ministry of Education and by the COGNIA, formerly known as AdvancED, a US-American institution. Approximately 300 students hailing from 30 different nations are attending the CISS. Cultural diversity and cooperation permeate not only the social atmosphere but are also prime components of the school's mission to "develop compassionate, inquisitive and ethical learners prepared for roles of leadership in the global community."



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Case Study

