

DRIVERS FOR THE DEVELOPMENT OF COMPUTATIONAL THINKING IN COSTA RICAN STUDENTS

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INTRODUCTION



Computational thinking,
ability to understand
technologies and to generate
new forms of reasoning,
creation, expression and
problem solving.



Primary Education,
a major educational
challenge today is to define
what needs to be learned and
how best to teach PC in the
classroom.



Evaluation,
the knowledge and practices
associated with CP is still
developing in education
systems, and the creation of
tools for successful integration
is key.

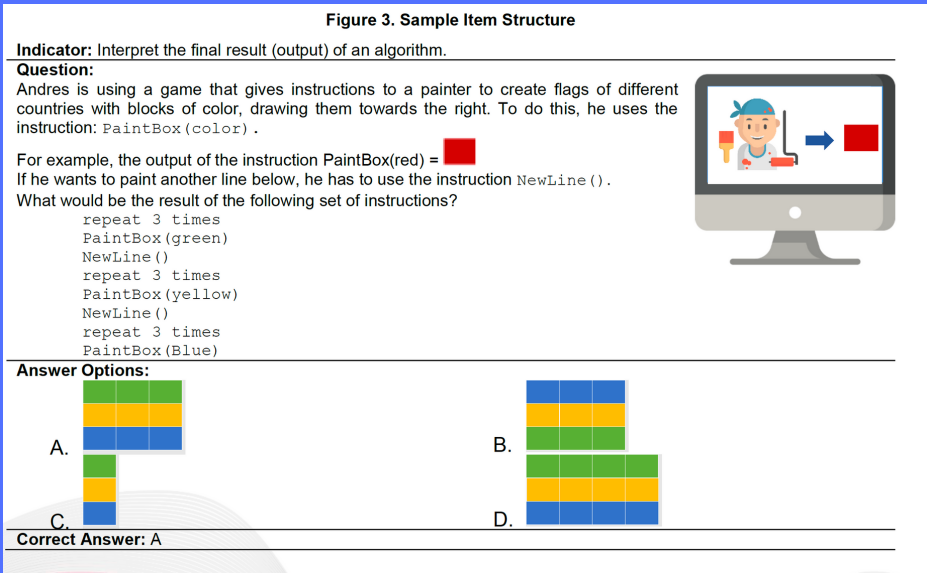
METHODOLOGY AND RESULTS

Design
quasi-experimental

Participation of two
groups:
LIE-Guides and LIE++

532
schools with
Educational Informatics

348
schools and 14,795 sixth
grade students



CONCLUSIONES



Computer skills in
education oriented
towards PC literacy and
development show
moderate to large effects
in contrast to more
traditional ICT .



Variables related to access to
and use of technologies at
home did not turn out to have
a major effect on PC test
scores, as, although students
have technology at their
disposal, they reported more
recreational use.



Today's new generations are
required to go beyond the
simple consumption of
technology and digital media,
which is why the PC includes
skills needed to meet the
social demands of the 21st
century.

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