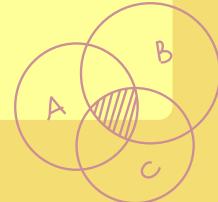


Development of an Instructional Model Based on Realistic Mathematics Education With Theory of Cognitive Development Approach to Enhance Mathematical Literacy of Primary School Students

Research Objectives

1. Develop an instructional model that promotes mathematical literacy in primary school students
2. Investigate the effectiveness of the developed instructional model



Participants

The participants were 30 Grade 6 students enrolled in the second semester of the 2024 academic year at a demonstration school under the Ministry of Higher Education, Science, Research and Innovation (MHESI) in Bangkok. The sample was selected through purposive sampling.

Results

The students who were taught through the realistic mathematics education approach and Bruner's theory of mathematics instruction at the elementary level demonstrated a statistically significant improvement in their mathematical literacy scores at the .05 level after the instruction.

